SESI
CONSULTING ENGINEERS

PERIODIC REVIEW REPORT
for

June 15, 2019 – June 15, 2022
Reporting Period

Harbor Square
Ossining, Westchester County, NEW YORK

NYSDEC Site # C360091

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PERIODIC REVIEW REPORT

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LIST OF ACRONYMS

Acronym	Definition
AST	Aboveground Storage Tank
BCA	Brownfield Cleanup Agreement
bgs	Below ground surface
CCR	Construction Completion Report
DNAPL	Dense Non-Aqueous Phase Liquid
ECs	Engineering Controls
EES	Emergency Environmental Services
ICs	Institutional Controls
LNAPL	Light Non-Aqueous Phase Liquid
MGP	Manufactured Gas Plant
MW	Monitoring Well
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OM&M	Operations, Maintenance, and Monitoring
PRR	Periodic Review Report
RA	Remedial Action
RAWP	Remedial Action Work Plan
RDD	Remedial Design Document
RI	Remedial Investigation
RIR	Remedial Investigation Report
SCO	Soil Cleanup Objectives
SESI	SESI Consulting Engineers, PC
SMP	Site Management Plan
SSDS	Sub-Slab Depressurization System
SVOCs	Semi-Volatile Organic Compounds
TAGM	Technical and Administrative Guidance Memorandum
TOGS	Technical and Operations Guidance Series
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank

Acronym	Definition
VI	Vapor Intrusion
VOCs	Volatile Organic Compounds

1.0 INTRODUCTION

1.1 SUMMARY

SESI Consulting Engineers (SESI) prepared this Periodic Review Report (PRR) for the period June 15, 2019 to June 15, 2022 for One Harbor Square, located at 1 Westerly Road, Village of Ossining (hereafter referred to as the "Site"). The Site was remediated in accordance with the Brownfield Cleanup Agreement (BCA) Index# A3-0566-1006, Site # C360091, which was issued on December 8, 2006. Remedial Action (RA) work on the Site began in June 2007 and was completed in December 2008. All reports associated with the Site can be viewed by contacting the New York State Department of Environmental Conservation (NYSDEC) Project Manager Rachel Savarie in NYSDEC's Albany office or any successor Project Manager assigned to managing the Site's Environmental Easement. As noted in those reports, despite completion of the work described in the Remedial Action Work Plan (RAWP), some residual subsurface contamination remains at this Site (in accordance with the Track 4 remedy), which is hereafter referred to as "residual contamination." All Site Management Plan (SMP) figures are located in **Appendix A** of this report.

Most notably, a plume of viscous liquid coal tar material known as dense non-aqueous phase liquid (DNAPL) had continued to migrate onto the Site from an off-Site source. Consolidated Edison (ConEd) conducted an investigation of the nearby former manufactured gas plant (MGP) facility known as the Ossining Gas Works Site (MGP Site), pursuant to a Voluntary Cleanup Agreement with the NYSDEC. At present, Consolidated Edison (through its consultant, ARCADIS), had performed the work related to the DNAPL contamination on this Site, under an agreement with the applicant.

In addition, since the Site housed a former petroleum tank farm, extensive soil excavation was required to remove petroleum-contaminated soil, some of which contained liquid phase petroleum, known as light non-aqueous phase liquid (LNAPL). Once petroleum sources are removed from a site (as has occurred at this Site), natural attenuation or natural degradation of the residual petroleum compounds does occur, and it is likely at some point in the future that the non-DNAPL portions of the Site can achieve the Track 1 cleanup levels. Until that time, the primary treatment method on the Site consists of containment methods.

SESI has inspected and will continue to inspect the composite cover system and has completed inspection of the sub-slab depressurization system (SSDS), gauging of the monitoring and recovery wells, and groundwater sampling of MW-2A and MW-7A.

The institutional and Engineering Controls (ICs and ECs) have been incorporated into the Site remedy to control exposure to remaining contamination to ensure protection of public health and the environment. An Environmental Easement granted to the NYSDEC, and recorded with the Westchester County Clerk, requires compliance with this SMP and all ECs and ICs placed on the Site. The ICs place restrictions on Site use and mandate operation, maintenance, monitoring, and reporting measures for all ECs.

This PRR reports the required inspection and monitoring activities that were conducted during the current reporting period. The inspection and monitoring were conducted to confirm compliance with all ECs and ICs required by the Environmental Easement and as stated in the SMP as approved by NYSDEC.

1.2 EFFECTIVENESS OF REMEDIAL PROGRAM

As described above, residual contamination remains on the Site, which has been managed according to the requirements in the SMP to keep the Site safe for commercial and residential reuse.

Con Ed's consultant, ARCADIS, had previously performed quarterly DNAPL gauging and recovery activities. It is noted that the recovery activities were changed to a quarterly basis at the beginning of 2011 with the concurrence of NYSDEC. The purpose of the quarterly recovery events was to improve the recovery of the DNAPL, determine the rate of DNAPL recovery, maximize the recovery of the DNAPL and determine the need for an automated DNAPL recovery system. During each recovery event, gauging of the five (5) recovery wells for the presence of DNAPL was completed.

ARCADIS, on behalf of ConEdison, had ceased conducting quarterly gauging of the deep monitoring/recovery wells (MW-A, MW-B, MW-C1, and MW-C2) as well as quarterly DNAPL recovery efforts at MW-D during the 2019 reporting period; specifically, the gauging and evacuation/recovery efforts were ceased in the first quarter of 2019.

Subsequently, ARCADIS submitted a Construction Completion Report (CCR), titled "OU-3 DNAPL IRM Construction Completion Report" and dated June 2019, to the NYSDEC for its review and formal determination. Based on review of the CCR, the DNAPL evacuation events ceased in March of 2019 due to the presence of trace or no quantities of DNAPL detected in the deep monitoring/recovery wells. To date, the NYSDEC has not officially provided a formal determination on its acceptance of the recommendations per the CCR; based on SESI's recent conversations with the NYSDEC, it is our understanding that the NYSDEC intends to reinstate the requirement to resume periodic DNAPL sampling/gauging and recovery efforts by ConEdison. During SESI's annual inspection events, SESI gauged the existing monitoring and recovery wells at the Site for the presence of DNAPL, except for MW-C1 which was unable to be found. No DNAPL was encountered during SESI's annual inspection events. A copy of the ARCADIS CCR is provided in **Appendix B.**

Table 1.1 provides a tabular summary of the current groundwater monitoring results and **Table 1.2** provides a tabular summary of current groundwater geochemical parameters with a side-by-side comparison with the results of the 2007-2022 sampling events. In 2016, SESI requested of NYSDEC that metals analyses be eliminated from the requirements of the annual groundwater sampling protocol outlined in the SMP. This was requested on the basis that exceedances for metals constituents have been reduced dramatically or were non-existent in recent annual sampling events, and in addition, metals were not addressed as contaminants of concern associated with historic activities conducted by Con Ed. This change in the sampling regime was approved by the NYSDEC on April 28, 2016. See **Appendix C** for NYSDEC correspondence related to the confirmation of the removal of metals analyses from the annual groundwater sampling protocol for the Site.

A correspondence letter from the NYSDEC to the Owner, dated August 8, 2016, indicated a reduction in frequency for the required submittal of a PRR from an annual to a triennial basis. A copy of the NYSDEC PRR frequency change correspondence is provided in **Appendix C**. SESI has continued to submit annual letter report updates to the NYSDEC in July from 2017 to 2021 for the performance of operations, maintenance, and monitoring (OM&M) activities that were completed at the Site.

For the 2019-2022 period, SESI continued to annually monitor the remedial ECs at the Site, which include the following: Performance of an annual site inspection of the ECs, annual groundwater sampling of the on-Site monitoring well network, vapor intrusion sampling of the SSDSs and indoor air, and gauging of the on-Site DNAPL monitoring and recovery wells. These tasks were completed pursuant to the updated December 2016 SMP, submitted to the NYSDEC on December 28, 2016. This PRR presents a summary of these annual monitoring tasks for the Site for the June 15, 2019, to June 15, 2022 reporting period as also reported in our annual letter report updates that were submitted intermittently.

Based on a review of the results of the groundwater sampling and testing during this reporting period, it appears that the levels for many of the constituents have reduced. The 2020 groundwater sampling event identified one (1) sample contained a volatile organic compound (VOC) exceedance for benzene in MW-2A (12 ppb), which had reduced ten-fold in comparison to the 2019 event result for Benzene (120 ppb). There was one (1) sample that contained a semi-volatile organic compound (SVOC) exceedance for acenaphthene in MW-7A at 38 ppb, which had remained similar to the 39 ppb concentration detected from the 2019 event. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Similar to the 2019 event, the SVOC dibenzofuran was detected in MW-7A at 7.3 ppb, above the NY Technical and Administrative Guidance Memorandum (TAGM) guidance value of 5 ppb in groundwater. The 2020 groundwater testing results indicate that overall, natural attenuation continued to trend toward an effective reduction of groundwater contaminant levels at the Site.

The 2021 groundwater sampling event identified one (1) sample that contained an SVOC exceedance for acenaphthene in MW-7A at 35.2 ppb, which had slightly decreased from the concentration of 38 ppb detected from the 2020 event. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Similar to the 2020 event,

the SVOC dibenzofuran was detected in MW-7A at 8.53 ppb, which is above the NY TAGM guidance value of 5 ppb in groundwater. MW-7A also indicated concentrations of benzo(a)anthracene and benzo(b)fluoranthene at 0.156 ppb and 0.0256 ppb, respectively, which exceeded the NY TAGM and NY Technical and Operations Guidance Series (TOGS) values and had not been previously detected in MW-7A. In addition, MW-2A indicated an acetone concentration of 65.8 ppb. However, acetone is a common laboratory contaminant and has not historically been a contaminant of concern detected in MW-7A. The 2021 groundwater testing results indicate that overall, natural attenuation continues to trend toward an effective reduction of groundwater contaminant levels at the Site.

The 2022 groundwater sampling identified exceedances to the NY TOGS or TAGM for acenaphthene (45.9 ppb) and benzo(a)anthracene (0.176 ppb) in sample Dup-1. These constituents, along with the rest of the VOCs and SVOCs, were not detected in exceedance of the NY TOGS or TAGM in sample labelled MW-2A and MW-7A. The analytical results for Dup-1 appear consistent with historical sampling data for MW-7A. A labeling error likely occurred during sample collection resulting in a discrepancy between the duplicate and parent sample results. As such, sample Dup-1 is assumed to be the sample intended to be collected for MW-7A. This change is reflected in Table 1.1. This will be monitored and evaluated during the next reporting period. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Lab reports associated with the groundwater data from 2020-2022 are included in **Appendix D**. Groundwater purge sheets for the sampling event is included as **Appendix G.**

SESI mobilized on March 23, 2022, to conduct a vapor intrusion investigation per the request of the NYSDEC. Four (4) sub slab sampling ports located in the residential, restaurant, and kiosk buildings were sampled. In addition, four (4) concurrent indoor air samples were collected in close proximity to each sub slab sample. The sub slab sampling ports were purged with a low flow pump prior to sample collection. Six (6) liter Summa canisters with a 24-hour sample collection duration were used for both indoor air and sub slab samples. After sample collection, the Summa canisters were delivered under chain of custody to SGS North America Inc, a NELAP certified laboratory, for analysis of EPA

method TO-15. The indoor air and sub slab samples were collected in accordance with the NYSDEC "Guidance for Evaluating Soil Vapor Intrusion in the State of New York," dated October 2006. Based on a review of the results of the 2022 sub-slab and indoor air testing event, exceedances to the New York Department of Health (NYSDOH) Vapor/Indoor Air Matrices, dated May 2017, were not identified. Lab reports associated with the vapor and indoor air sampling are included in **Appendix D**.

1.3 COMPLIANCE

SESI completed the groundwater sampling and DNAPL gauging on June 10, 2022. SESI completed an inspection of the composite cover system and components of the SSDS on June 29, 2022 to verify the integrity of the ECs in accordance with the Inspection Checklist provided in **Appendix E**. SESI did not identify the presence of DNAPL in the monitoring and recovery wells during the sitewide gauging event. Monitoring and recovery wells were observed to be intact and in good condition. MW-C1 was unable to be located. A metal detector will be used to locate the well. If that does not prove successful, a surveyor will be used to locate the well. As previously discussed, the results of the groundwater sampling were consistent with previous sampling events. During the Site inspection, the integrity of the composite cover system was intact. A review of the on-Site maintenance records did not indicate any invasive subsurface work or soil export/import completed since the last inspection. Soil erosion and product seepage were not observed along the adjacent Hudson River and Sing Sing Kill.

The SSDS is operating as designed. Deficiencies or damages were not observed in the SSDS components or the concrete slab above the SSDS. On-Site maintenance records did not identify issues with the SSDS since the last inspection. Missing screws to the sub-slab sampling port manhole in the bike storage room were observed. The owner was notified and will install the screws immediately following the issuance of this report. As previously discussed, the sampling of the SSDS and indoor air did not identify any exceedances to the NYSDOH decision matrices. As a result, the SSDS is working properly as designed.

1.4 RECOMMENDATIONS

SESI has verified that the ECs and ICs developed for the Site are in compliance with the SMP. SESI recommends continuing the yearly monitoring of the cover system, DNAPL monitoring and sampling of the monitoring well network, and inspection of the SSDS.

2.0 SITE OVERVIEW

2.1 SITE LOCATION AND DESCRIPTION

The Site is located in the County of Westchester, New York, and is identified as Section 3, Block 4 and Lots 5, 6 and 7A on the Village of Ossining Tax Map. The Site is an approximately 4.551-acre area bounded by Sing Sing Kill to the north, a marina to the south, Westerly Road and the Metro North railroad tracks and a large commuter lot to the east, and the Hudson River to the west (see Figures 1 and 2 in **Appendix A**).

The boundaries of the Site are more fully described in **Appendix F** (Environmental Easement and Survey of the SMP).

2.2 SITE HISTORY

Danzeisen Parcel

The Danzeisen parcel is located farthest north on the Site. The property, in 2002, contained a two-story brick office building, attached metal garage, an exterior parking area and a small fishing shack on the southwest corner near the Hudson River. Five (5) petroleum spills associated with this parcel have been reported to the NYSDEC. These spills occurred during the period that the Site was operated as a bus storage and maintenance facility.

Emergency Environmental Services of Ossining, New York (EES) removed two (2) 5,000-gallon underground storage tanks (USTs). Subsequently, EES installed a groundwater extraction and treatment system that utilized wells on all three (3) parcels associated with the Site, which had been installed by Maue Oil. This system was operated until 1993.

In 1989, spills associated with the failure of two (2) 4,000-gallon USTs, as demonstrated by the tank tightness testing, were reported. Subsequently, EES removed the two (2) 4,000-gallon USTs.

In 1996, GZA GeoEnvironmental, Inc. completed additional subsurface investigation, disposed of four (4) aboveground storage tanks (ASTs), various drums/containers and cleaned the catch basins, sumps and oil/water separators on the Site.

The Flavor Sciences Chemical Manufacturing Parcel

This Parcel is located between the Danzeisen Parcel, which is located farthest north on the Site, and the Maue Oil Parcel located farthest south on the Site. From about 1982 through 1999, this parcel was associated with the chemical manufacturing operations for production of fragrances and flavoring. This parcel is listed as both a Resource Conservation and Recovery Act hazardous waste generator and as a manufacturer and importer of Toxic Substances Control Act chemicals.

The 1971 Sanborn Maps indicate the presence of an area for storage of laboratory materials. However, 1996 was the first year in which there are records indicating that the facility regulated the disposal of waste (approximately 1,000 gallons).

In 2002, this parcel contained a two-story office/manufacturing/storage building, where numerous 55-gallon storage drums and other containers containing various chemicals were located.

The Maue Oil Company Parcel

The Maue Oil Company, which is located to the south of the other two (2) parcels, has been operating from at least 1949 as indicated by the Sanborn Maps. The property at that time contained seven (7) ASTs ranging in size from 50,000 gallons to 300,000 gallons. These ASTs were removed around 1989 as indicated by the aerial photographs.

The former office building and garage from the Maue Oil Company remained on the property in 2002 and were being utilized by the Village of Ossining Department of Public Works for vehicle storage. There were two (2) 275-gallon fuel oil ASTs and one (1) 275-gallon fuel oil UST on this parcel. The UST was removed on June 15, 1999 as part of the Phase II investigation. An active well recovery system was installed in the late 1980s to address the discharge of petroleum products.

Past Uses and Ownership

The portion of the Site known as the Danzeisen parcel is located in the northern portion of the Site. This property was previously utilized as/by:

- a coal and lumber yard (Miller and Holden Coal and Wood Co.)
- a grain mill (Crow and Williams Grain Mill)
- a machine shop (Koeppel Metal).
- a bus storage and maintenance facility (Laid Law Transit).

The portion of the Site known as the Flavor Sciences parcel is located in the central portion of the Site. This property was previously utilized as/by:

- Jenks Dock
- Benling Fuel and Supply Co.
- Flavor Sciences Chemical Manufacturing

The portion of the Site known as the Maue Oil Company parcel is located at the southern end of the Site. This part of the Site was previously utilized as/by:

- a coal and lumber yard (Washburn and Todd Coal and Lumber Co.), as depicted on the 1903 and 1924 Sanborn Maps.
- Maue Oil Company, as depicted on the 1949 Sanborn Map
- a storage place for vehicles belonging to the Village of Ossining – Department of Public Works

Phase I and Phase II Reports

CA Rich Consultants, Inc. completed a Phase I Environmental Site Assessment Report, dated February 1999. The findings associated with this report are summarized in the above section as they relate to the past Site usages and the potential for these operations to have impacted the media at the Site.

CA Rich Consultants, Inc. performed a Phase II investigation on the Site between June 14, 1999 and June 29, 1999. The Phase II investigation consisted of removal of a 275-gallon UST from the Maue parcel; advancing 22 soil borings; collection of four (4) surface and five (5) subsurface soil samples; installation of three (3) monitoring wells; sampling of

the three (3) new and five (5) existing monitoring wells; and collection of four (4) soil gas samples from within the footprint of the proposed buildings.

The Phase II investigation results indicated that surface soil at some locations was impacted with a combination of semi-volatile organic compounds, polychlorinated biphenyls, and metals at concentrations that exceeded the applicable cleanup objectives. Subsurface soils are impacted with low levels of SVOCs and metals throughout the Site. Groundwater quality beneath the Flavor Sciences and Danzeisen parcels is impacted with petroleum compounds. VOCs and methane were detected in the soil gas on the Site.

Ecosystems advanced 26 borings to supplement data included in the RAP developed by CA Rich. Both petroleum and metals contamination was documented.

2.2.1 REMEDIAL INVESTIGATION (RI) CONDUCTED AT THE SITE

The PRR and all Site documents, including the Remedial Investigation Report, RAWP, Final Engineering Report and the SMP, are maintained in the Region 3 offices of the NYSDEC (or successor agency). These reports could also be found at the NYSDEC offices in Albany, New York at the time of publication.

The findings of the Remedial Investigation (RI) activities completed at the Site are documented in the following reports:

- Remedial Investigation Report, dated March 2007, prepared by S&W Redevelopment of North America
- Addendum Remedial Investigation Report, dated June 19, 2007, prepared by SESI

<u>On-Site Findings</u>

Several source areas associated with discharges from former USTs and ASTs were identified. These discharges impacted soil and groundwater in their vicinity. The impacts were primarily heating oil/diesel LNAPL and petroleum-related VOCs/SVOCs. Vertical downward migration of the groundwater impacts is restricted by the presence of clayey confining strata at depths ranging from about 12 to 29 ft bgs.

Off-Site Findings

Based on the results of the investigation performed, the groundwater impacts associated with the on-Site sources were determined to have not migrated off-Site and have not impacted the Hudson River and Sing Sing Kill, which form the western and northern boundaries, respectively, of the Site. However, DNAPL and associated VOC/SVOC groundwater impacts from an off-site source (former Ossining Gas Works manufactured gas plant [MGP Site], for which Consolidated Edison is the responsible party), located approximately 700 feet northeast of the Site, have impacted the northeastern part of the Site. An underground slurry wall was constructed as part of the RA to contain all DNAPL in the northeastern portion of the Site, and to prevent any migration toward the Hudson River (see Figure 4A in **Appendix A**). Consolidated Edison has agreed to perform DNAPL recovery (i.e., removal) work and long-term monitoring of remaining residual DNAPL levels over time and to report these levels to the State in an annual certification report, which can be relied on by the Applicant or the Applicant's successors or assigns and operator's Engineer of Record in its Annual Site Management Report related to the remaining ECs and ICs on the Site.

Description of Areas of Concern Requiring Remediation

USTs

Six (6) USTs were identified at the Site. The following are the associated capacities and contents:

UST #	Capacity	Contents
T-1	1,000 gallons	#2 Fuel Oil
T-2	3,000 gallons	#2 Fuel Oil
T-3	550 gallons	#2 Fuel Oil and Transmission Fluid
T-4	550 gallons	Mineral Spirits
T-5	10,000 gallons	Diesel Fuel
T-6	2,000 gallons	Mineral Spirits/Trace # 2 Fuel Oil

Separate Phase Contaminant Enclaves

Petroleum LNAPL

There were a total of six (6) areas where petroleum LNAPL was observed during investigations completed to date. Each of these six (6) areas was excavated and the LNAPL removed from the Site during the implementation of the Remedial Action.

Coal Tar-Related DNAPL

DNAPL, migrating onto the Site from the *off-Site* source area, was initially encountered in the northeastern corner of the Site. The DNAPL plume was subsequently delineated and was found to extend about 240 feet to the south, 140 feet west and extends below Westerly Road in the vicinity of former monitoring well MW-1A. (See Figure 4A in Appendix A.) This DNAPL is believed to have originated at the former Ossining Works Manufactured Gas Plant Site (MGP Site) located upgradient of this Site. Consolidated Edison has entered into a multi-site Voluntary Cleanup Agreement with NYSDEC to investigate and remediate MGP Sites and any off-site migration associated with them. Several borings and monitoring wells have been installed by Consolidated Edison, at various on/off-Site locations, to investigate the relationship between the on-Site DNAPL impacts and the former MGP operations. Consolidated Edison will continue the investigation and DNAPL recovery at Harbor Square, and ultimately will use these results to develop Remedial Alternatives that address the former MGP and any off-Site impacts.

Recorded Spills

Up to five (5) different spills associated with the Danzeisen Parcel were reported. Spills Nos. 8705940 and 8705664 are associated with surface discharges of diesel fuel that occurred in 1987, from two 5,000-gallon diesel fuel USTs. Spills Nos. 8901436 and 8903284 are associated with the failure of two 4,000-gallon USTs, reported in 1989, as demonstrated by their tank tightness testing.

Two (2) known spills associated with the Maue Oil parcel have been reported. Spill No. 8712000 is associated with discharge of petroleum products. Spill No. 0603742 was reported by JM Associates (JMA) on July 5, 2006 and was subsequently closed by NYSDEC on June 14, 2007.

Additionally, Spill No. 0602368 was reported by JM Associates on June 1, 2006, in connection with the discovery of free product and was also closed by NYSDEC on June 14, 2007.

Historic Fill

Historic fill is present throughout the Site and extends to depths ranging between 12 to 22 feet below ground surface.

Below is a summary of Remedial Investigation findings:

2.2.1.1 ON-SITE SOIL PRIOR TO REMEDIAL ACTION

Fill and the underlying native shallow soils at the Site are impacted by discharges associated with historical operations. Also, soils at relatively greater depths are impacted with discharges from the off-Site former MGP Site.

2.2.1.2 ON-SITE AND OFF-SITE GROUNDWATER CONTAMINATION PRIOR TO REMEDIAL ACTION

The groundwater at the Site is impacted above the groundwater standards. The relatively high concentrations associated with these impacts are generally confined to the northeastern part of the site where the DNAPL is present. Based on the investigation results, the groundwater impacts were determined to have not migrated off-Site. The groundwater impacts are being monitored by an existing monitoring well network.

2.2.1.3 ON-SITE AND OFF-SITE SOIL VAPOR CONTAMINATION PRIOR TO REMEDIAL ACTION

On-Site Soil Vapor Contamination

Soil vapor samples were collected along the eastern boundary and the southern part of the Site. The analytes detected in the soil vapor samples, with the exception of the chlorinated compounds, were consistent with known discharges/sources of contamination. None of the analytes (i.e., methylene chloride, tetrachloroethene and

trichloroethene) for which a NYSDOH Air Guideline Value exists have exceeded the applicable guidance value.

2.2.2 DESCRIPTION OF REMEDIAL ACTIONS

The Site was remediated in accordance with the scope of work presented in the NYSDEC-approved Remedial Action Work Plan dated April 2007 and the Addendum Remedial Action Work Plan, dated June 22, 2007.

Below is a summary of the Remedial Actions that were required, and have been implemented at the Site to make the Site protective of public health and the environment for reuse as intended:

1. Removal of USTs, excavation of grossly impacted soil/fill and removal of groundwater impacted with free-phase/residual LNAPL and soil/fill impacted at levels that significantly exceeded the applicable Track 2 soil cleanup objectives (SCOs);
2. Construction and maintenance of an engineered composite cover consisting of a “clean” soil “cover/cap” in landscaped areas to prevent human exposure to residual contaminated soil/fill remaining under the Site;
3. Construction and maintenance of an engineered composite cover consisting of asphalt covered roads, concrete covered sidewalks and concrete building slabs to prevent human exposure to residual contaminated soil/fill remaining under the Site;
4. Recording of an Environmental Easement to prevent future exposure to any residual contamination remaining at the Site.
5. Installation of an SSDS associated with the residential, restaurant, and kiosk building.
6. A subsurface soil-bentonite “slurry wall” has been constructed west of the edge of the DNAPL plume to prevent further migration of the DNAPL (encountered in the northeastern and eastern parts of the Site) associated with Con Edison’s former MGP site so that it will not reach the Hudson River or Village-owned publicly accessible land along the river. The former Ossining Gas Works MGP site is located upgradient and is about 700 feet northeast of the Site.
7. A DNAPL recovery well system was installed at the Site. A study to evaluate the DNAPL well yield was commenced by Harbor Square, LLC and completed

by Consolidated Edison. Based on the results of this evaluation, the installation of an automated DNAPL recovery system may be required by NYSDEC. Regardless of the final remedy for the DNAPL, Consolidated Edison has agreed to assume all responsibility for the ongoing DNAPL recovery work.

8. Two (2) additional precautionary monitoring/recovery wells, MW-B and MW-C2, have been installed at both ends of the subsurface slurry wall to ensure that DNAPL does not migrate around the corners of the wall. These wells are being monitored by Con Ed's consultant, ARCADIS.
9. Screening for indications of contamination (by visual means, odor, and monitoring with a photoionization detector) and soil management of all excavated soil during all intrusive site work in compliance with the Soil Management Plan contained in Section 2.3.2 of the SMP;
10. Collection and analysis of end-point samples to evaluate the performance of the remedy with respect to attaining Track [4] SCOs.
11. Off-Site disposal of all material removed from the Site in accordance with all Federal, State and local rules and regulations for handling, transport, and disposal;
12. Import of materials to be used for backfill and cover in compliance with: (1) Commercial and Protection of Groundwater SCO standards; and (2) compliance with all Federal, State and local rules and regulations in handling and transport of material;
13. All responsibilities associated with the Remedial Action, including permitting requirements and pretreatment requirements, addressed in accordance with all applicable Federal, State and local rules and regulations.
14. A SMP for long-term management of residual contamination as required by the Environmental Easement, which includes plans for: (1) Operation and maintenance of the Institutional and Engineering Controls, (2) monitoring, (3) operation and maintenance oversight; and (4) reporting;

These Remedial Actions were conducted in accordance with the NYSDEC-approved RAWP for Harbor Square, dated April 2007 and the Addendum RAWP, dated June 22, 2007. Any deviations from the RAWP are noted below.

2.2.3 REMOVAL OF CONTAMINATED MATERIALS FROM THE SITE

The goal of the remedial operations at the Site was to remove all the non-DNAPL and petroleum source areas (i.e., residual and free-phase product). With respect to the DNAPL, Harbor Square, LLC installed the slurry wall and one (1) of the recovery wells (MW-A) and began the DNAPL recovery effort. The obligation to perform the DNAPL work remains that of the Applicant, who will be responsible to perform this work. Following the evacuation of MW-A in November 2012, recovery activities in this well were discontinued due to the continued decline of DNAPL product during the previous recovery events. Consolidated Edison performed the work related to the DNAPL contamination on this Site, under an agreement with the Applicant. The DNAPL recovery efforts then consisted of quarterly recovery events with evacuations from MW-D, which is adjacent to the northeast portion of the site in Westerly Road. The goal of the long term DNAPL remedy is physical removal of the DNAPL through recovery from one (1) well – MW-D – which was periodically pumped until such time as Track 1 SCOs are achieved, and monitoring in the four (4) additional wells – MW-A, MW-B, MW-C1, and MW-C2 - on either side of the slurry wall. In the unlikely event that DNAPL migrates toward these four (4) wells, recovery pumping would be commenced in these four (4) wells. As previously discussed, ARCADIS on behalf of Consolidated Edison ceased DNAPL evacuation events in March of 2019 due to the presence of trace or no quantities of DNAPL detected in the deep monitoring/recovery wells.

Additionally, the overall Site remedy was designed to ensure that residual soil contamination that remains on-Site in fill materials under the one-foot clean soil cap does not significantly exceed the more stringent of the applicable Track 2 Commercial or Protection of Groundwater Restricted Use Soil Cleanup Objectives [Part 375-6.8(b)]. A list of the Track 2 SCOs compared to the Site-specific data for this project is shown in **Table 2.1**. The composite cap cover system prevents exposure to any of these remaining fill materials. However, if future excavation occurs, the Soils Management Plan in Section 2.3.2 of the SMP must be followed before the work can proceed.

Five (5) USTs (T-1, T-2, T-3, T-4 and T-6) were removed between June 9, 2007 and October 5, 2007. During the USTs removals, sludge from the USTs, visibly contaminated

soil and floating free-phase product associated with the UST excavation were removed and disposed off-Site in accordance with the applicable regulations.

A total of six (6) LNAPL extraction wells were installed to address the LNAPL impacts. Free-phase floating product was skimmed periodically (at least once every week for a month). An estimated 125 gallons of LNAPL was disposed of off-Site. Also, soil in the vicinity of the LNAPL wells that was visibly impacted with product was removed and disposed of off-Site.

Also, piping, likely associated with the former oil storage tanks, was uncovered during test-pit excavation activities completed during the same period. The test pits were excavated to evaluate anomalies detected during the magnetometer survey. Free-phase product and impacted soil encountered in this area was removed and disposed of off-Site in accordance with the applicable regulations.

Drilling mud and development water associated with recovery well MW-A and DNAPL periodically bailed from the same well were drummed and disposed of off-Site. A total of 25 drums were disposed of off-Site.

An estimated 2,159 tons of contaminated soil and 11,983 gallons of impacted groundwater were disposed off-Site by JMA at Deep Green of New York, Inc., New Windsor, NY and Enviro Waste Oil Recovery LLC facility located at 279 Route 6, Mahopac, New York (NYSDEC permit number 3-2720-00155-00003, EPA ID Number NYD044825636), respectively.

2.2.4 ON-SITE AND OFF-SITE TREATMENT SYSTEMS

Since Track 1 unrestricted SCOs were not yet achieved as a result of the remedial actions performed to date, long-term “treatment” methods are required to address the residual impacts at the Site until such time as the Track 1 SCOs are achieved. Once petroleum sources are removed from a site, such as has occurred at this Site, natural attenuation or natural degradation of the residual petroleum compounds does occur, and it is likely at some point in the future the non-DNAPL portions of the Site can achieve the Track 1 cleanup levels. Until that time, the primary treatment method on the Site consists of

containment methods. These are: (1) a composite cover system consisting of asphalt/brick paver covered roads, brick paver covered sidewalks, concrete building slabs, a “clean” one (1) foot soil “cover/cap” in vegetated or landscaped areas, and a “clean” two (2) foot soil “cover/cap” in active recreation areas; and (2) the sub-slab depressurization/venting system in all buildings. For the DNAPL-impacted portions of the Site in the northeastern section, the soil-bentonite slurry wall is containing the material and an active DNAPL recovery system will continue to remove the material. The obligation to perform the DNAPL work remains that of the Applicant, who will be responsible to perform this work. Consolidated Edison ceased DNAPL evacuation events in March of 2019 due to the presence of trace or no quantities of DNAPL detected in the deep monitoring/recovery wells.

2.2.4.1 COMPOSITE COVER SYSTEM

Exposure to residual contaminated soils is prevented by an engineered, composite cover system that has been built on the Site. This composite cover system is composed of concrete slabs associated with the buildings, brick paver walkways, asphalt and brick paver roads, and a “clean soil cover” (underlain by a demarcation geotextile from Propex GT- 351) over a majority of the Site. Figure 5 in Appendix A shows the NYSDEC-approved design for each remedial cover type used on this Site. Figure 6 in Appendix A shows the location of each cover type built at the Site. A Soil Management Plan is included in Appendix 4 of the SMP and outlines the procedures required in the event the composite cover system and underlying residual fill soils are disturbed. The Soil Management Plan is also discussed in detail in Section 2.3.2 of the SMP. Issues related to maintenance of this cover are provided in the Monitoring Plan included in Section 4 of the SMP.

2.2.4.2 SUB-SLAB DEPRESSURIZATION SYSTEM

Installation of the SSDS has been completed for all of the proposed buildings: the residential, restaurant, and kiosk building. The system is currently operating as passive, with the capability of being turned active if warranted. SSDS plans were provided in the SMP. Vapor intrusion (VI) investigations were performed during the 2016-2017 and 2017-2018 heating season across the occupied buildings on Site following construction completion. Exceedances of the NYSDOH Decision Matrices Values, dated May 2017,

were not identified in either event. However, per the request of the NYSDEC and NYSDOH, a third VI event was performed in March 2022.

SESI mobilized on March 23, 2022, to conduct a vapor intrusion investigation per the request of the NYSDEC. Four (4) sub slab sampling ports located in the residential, restaurant, and kiosk building were sampled. In addition, four (4) concurrent indoor air samples were collected in close proximity to each sub-slab sample. The sub-slab sampling ports were purged with a low flow pump prior to collection of the samples. Six (6) liter Summa canisters with a 24-hour sample collection duration were used for both indoor air and sub-slab samples. After sample completion, the Summa canisters were delivered under chain of custody to SGS North America Inc, a NELAP certified laboratory, for analysis of EPA method TO-15. Both indoor air and sub-slab samples were collected in accordance with the NYSDEC "Guidance for Evaluating Soil Vapor Intrusion in the State of New York," dated October 2006. Based on a review of the results of the 2022 sub-slab and indoor air testing event, exceedances to the NYSDOH Vapor/Indoor Air Matrices, dated May 2017, were not identified. Lab reports associated with the vapor and indoor air sampling are included in **Appendix D.**

2.2.4.3 SOIL-BENTONITE SLURRY WALL

In accordance with the Remedial Design Document (RDD), dated August 29, 2007, and approved by NYSDEC on September 10, 2007, the slurry wall, constructed of a soil-bentonite mixture, was installed west of the DNAPL plume to prevent any further migration of the DNAPLs encountered in the northeastern part of the Site (originating from an off-Site source associated with former Con Edison operations). The slurry wall was constructed by Moretrench located at 100 Stickle Avenue, Rockaway, New Jersey.

Construction activities associated with the slurry wall started around October 22, 2007 and finished by October 30, 2007. A three-foot-wide slurry trench was excavated from the ground surface to depths of about 21 to 24 feet below existing grade (bottom elevations of the wall ranging between -15 msl to -19 msl). The slurry wall extends at least about two (2) feet into the underlying clayey confining unit. Samples collected during the course of the slurry wall construction indicate that the design permeability of less than 10^{-7} cm/sec was achieved in accordance with the design details.

2.2.4.4 DNAPL RECOVERY SYSTEM

Harbor Square installed the slurry wall, installed the first DNAPL recovery well (MW-A), and performed several rounds of recovery work. SESI observed the installation of DNAPL recovery well MW-A. This recovery well, 8 inches in diameter and 32.5 feet deep, was installed in the northeastern corner of the Site, in the vicinity of monitoring wells MW-1 and MW-1A. The location of the installed recovery well is depicted on Figure 2 in Appendix A. Installation of one (1) additional recovery well (MW-D) was attempted in several locations in the vicinity of MW-2, but it did not encounter DNAPL. During a Site visit by the NYSDEC on December 6, 2007 and documented in an email on the same date, the NYSDEC agreed at that time that this second recovery well was not required.

In accordance with the RDD approved by the NYSDEC, a sump about three (3) feet deep was installed at the bottom of the well. The sump extends into the clayey confining strata encountered at a depth of about 29.5 feet bgs. A PVC screen with slot sizes of 0.020 inches extended from about 19.5 feet to 29.5 feet bgs. A solid PVC riser extended from the ground surface to 19.5 feet bgs.

On June 25, 2008, Harbor Square and Consolidated Edison entered into a Site Access Agreement, which allowed Consolidated Edison access to the Site to install the remaining two (2) sentinel wells near each end of the slurry wall in order to monitor those locations to ensure DNAPL was not migrating around the wall. These wells were installed and initially sampled in early October 2008. The obligation to perform the DNAPL work remains that of the Applicant, who will be responsible to perform this work. At present Consolidated Edison is performing the work related to the DNAPL contamination on this Site, under an agreement with the Applicant. This work includes and is not limited to, continued extraction of DNAPL material from at least one (1) recovery well on the Property designated “MW-D,” associated off-Site disposal of the material, long-term monitoring in any on-Site and, if required by NYSDEC, off-Site monitoring/sentinel wells, including but not limited to the sentinel wells installed in October and December 2008 designated “MW-B” and “MW-C2”.

ARCADIS in 2012 recovered 0.5 gallons of DNAPL from RW-A during four quarterly recovery events. This was down from about 6.4 gallons recovered in 2011, and 20.5 gallons recovered in 2010. In accordance with a letter dated January 28, 2013 to the NYSDEC, recovery activities at RW-A have been omitted since the 2013 activity period as a result of a decreasing trend of recoverable DNAPL observed from the previous monitoring events.

During March 2012 and April 2012, ARCADIS implemented remedial investigation field activities for Operable Unit No. 1 (OU-1) and OU-2 of the Consolidated Edison Company of New York Inc. Former Ossining Works Site, as outlined in the NYSDEC-approved Remedial Investigation (RI) Work Plan prepared by CMX, Inc. During the remedial investigation, MGP-related residuals were encountered during the completion of soil boring SB-51, which is located within Westerly Road to the south of RW-A. Based on the extent of the MGP-related residuals encountered at SB-51, ARCADIS installed recovery well RW-D at that location which consisted of a 6-inch diameter Schedule 40 PVC casing with a 20-slot (0.020-inch slot size) PVC well screen set at a depth of 27 to 37 feet below ground surface (bgs) and a 5-foot sump.

As previously discussed, ARCADIS, on behalf of ConEdison, had ceased conducting quarterly gauging of the deep monitoring/recovery wells (MW-A, MW-B, MW-C1, and MW-C2) as well as quarterly DNAPL recovery efforts at MW-D during the 2019 reporting period; specifically, the gauging and evacuation/recovery efforts were ceased in the first quarter of 2019. Subsequently, ARCADIS submitted a CCR, titled “OU-3 DNAPL IRM Construction Completion Report” and dated June 2019, to the NYSDEC for its review and formal determination. Based on review of the CCR, the DNAPL evacuation events ceased in March of 2019 due to the presence of trace or no quantities of DNAPL detected in the deep monitoring/recovery wells. To date, the NYSDEC has not officially provided a formal determination on its acceptance of the recommendations per the CCR; based on SESI’s recent conversations with the NYSDEC, it is our understanding that the NYSDEC intends to reinstate the requirement to resume periodic DNAPL sampling/gauging and recovery efforts by ConEdison. During SESI’s annual inspection events, SESI gauged all of the existing monitoring and recovery wells at the Site for the presence of DNAPL. No DNAPL

was encountered during SESI's annual inspection events. A copy of the ARCADIS CCR is provided in **Appendix B.**

2.2.5 DESCRIPTION OF RESIDUAL CONTAMINATION

Even after the LNAPL sources of contamination were removed from the Site, non-native fill soil material remains throughout the Site, constituting most of the land mass. This fill soil material is primarily impacted with VOCs, SVOCs and metals associated with miscellaneous former industrial uses described previously.

As a result of the remaining VOCs on the Site from both the former LNAPL areas, residual contaminated fill soils still in place, there is a potential for vapor intrusion into the new buildings that must be controlled through the SSDSs.

2.2.6 MANAGEMENT OF RESIDUAL CONTAMINATION THROUGH ENGINEERING AND INSTITUTIONAL CONTROLS IN THE ENVIRONMENTAL EASEMENT

The Environmental Easement lists the ECs and ICs required by NYSDEC to manage the residual contamination present at this Site to protect public health and the environment in the future and keep the Site safe for reuse. The Site, also known as the "Controlled Property" in the easements, has four (4) primary Engineering Controls. These are: (1) a composite cover system consisting of asphalt covered roads, concrete covered sidewalks, concrete building slabs and a "clean" one-foot soil "cover/cap" in landscaped areas and two-foot soil "cover/cap" in playground areas; (2) sub-slab depressurization/venting system; (3) soil-bentonite slurry wall; and (4) monitoring of groundwater. The Applicant and Applicant's successors or assigns, must manage the controls and monitoring in full compliance with the terms of the remedial program.

3.0 REMEDY PERFORMANCE, EFFECTIVENESS, & PROTECTIVENESS

The goal of the remedial operations at the Site was to remove all the non-DNAPL and petroleum source areas (i.e., residual and free-phase product). With respect to the DNAPL, Harbor Square, LLC installed the slurry wall and five (5) recovery wells (RW-A, RW-B, RW-C, RW-C2, and RW-D) and conducted the DNAPL recovery effort. Consolidated Edison performed the work related to the DNAPL contamination on this Site, under an agreement with the Applicant. The goal of the long term DNAPL remedy is physical removal of the DNAPL through recovery from the DNAPL recovery system, which will be periodically pumped from RW-D until such time as Track 1 SCOs are achieved, and monitoring in four (4) other wells on either end of the slurry wall. In the unlikely event DNAPL migrates toward these four (4) wells, recovery pumping would be commenced in these four (4) wells.

As previously discussed, ARCADIS, on behalf of ConEdison, had ceased conducting quarterly gauging of the deep monitoring/recovery wells (MW-A, MW-B, MW-C1, and MW-C2) as well as quarterly DNAPL recovery efforts at MW-D during the 2019 reporting period as previously discussed in Section 1.2. A copy of the ARCADIS CCR is provided in **Appendix B.**

The overall Site remedy was designed to ensure that residual soil contamination that remains on-Site in fill materials below the one-foot clean soil cap does not significantly exceed the more stringent of the applicable Track 2 Commercial or Protection of Groundwater Restricted Use Soil Cleanup Objectives [Part 375-6.8(b)]. The one-foot composite cap cover system prevents exposure to any of these remaining fill materials.

In order to monitor the effectiveness of the contaminant removal and the Site natural attenuation, an on-Site monitoring well network including MW-2A and MW-7A is sampled on an annual basis. Groundwater samples were collected on June 10, 2022 for VOCs and SVOCs in accordance with the SMP dated December 2016 and approval from the NYSDEC to remove metals testing dated April 2016.

Table 1.1 provides a tabular summary of the current groundwater monitoring results and **Table 1.2** provides a tabular summary of current groundwater geochemical parameters

with a side-by-side comparison with the results of the 2007-2022 sampling events. Based on a review of the results of the groundwater sampling and testing during this reporting period, it appears that the levels for many of the constituents have reduced. The 2020 groundwater sampling event identified one (1) sample contained a VOC exceedance for benzene in MW-2A (12 ppb), which has reduced ten-fold in comparison to the 2019 event result for benzene (120 ppb). There was one (1) sample that contained an SVOC exceedance for acenaphthene in MW-7A at 38 ppb, which has remained similar to the 39 ppb concentration detected from the 2019 event. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Similar to the 2019 event, the SVOC dibenzofuran was detected in MW-7A at 7.3 ppb; however, no promulgated groundwater quality standard has been established for dibenzofuran, but rather, the NY TAGM guidance value of 5 ppb has been utilized as a recommended cleanup value for dibenzofuran in groundwater. As a result, the reported concentrations for any groundwater samples above 5 ppb for dibenzofuran do not constitute regulatory “exceedances” to any promulgated standard. In conclusion, the 2020 groundwater testing results indicate that natural attenuation continues to trend toward an effective reduction of groundwater contaminant levels at the Site.

The 2021 groundwater sampling event identified one (1) sample that contained an SVOC exceedance for acenaphthene in MW-7A at 35.2 ppb, which has slightly decreased from the concentration of 38 ppb detected from the 2020 event. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Similar to the 2020 event, the SVOC dibenzofuran was detected in MW-7A at 8.53 ppb, which is above the NY TAGM guidance value of 5 ppb in groundwater. MW-7A also indicated concentrations of benzo(a)anthracene and benzo(b)fluoranthene at 0.156 ppb and 0.0256 ppb, respectively, which exceed the NY TAGM and NY TOGS values and have not been previously detected in MW-7A. In addition, MW-2A indicated an acetone concentration of 65.8 ppb. However, acetone is a common laboratory contaminant and has not historically been a contaminant of concern detected in MW-7A. In conclusion, the 2021 groundwater testing results

indicate that natural attenuation continues to trend toward an effective reduction of groundwater contaminant levels at the Site.

The 2022 groundwater sampling identified exceedances to the NY TOGS or TAGM for acenaphthene (45.9 ppb) and benzo(a)anthracene (0.176 ppb) in sample Dup-1. These constituents, along with the rest of the VOCs and SVOCs, were not detected in exceedance of the NY TOGS or TAGM in sample labelled MW-2A and MW-7A. The analytical results for Dup-1 appear consistent with historical sampling data for MW-7A. A labeling error likely occurred during sample collection resulting in a discrepancy between the duplicate and parent sample results. As such, sample Dup-1 is assumed to be the sample intended to be collected for MW-7A. This change is reflected in Table 1.1. This will be monitored and evaluated during the next reporting period. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Lab reports associated with the groundwater data from 2020-2022 are included in **Appendix D**. Groundwater purge sheets for the sampling event is included as **Appendix G**.

In order to monitor the effectiveness of the SSDS and to assess the vapor intrusion, investigations were performed during the 2016-2017 and 2017-2018 heating season across the occupied buildings on Site following construction completion. Exceedances of the NYSDOH Decision Matrices Values, dated May 2017, were not identified in either event. SESI mobilized on March 23, 2022, to conduct a vapor intrusion investigation per the request of the NYSDEC. Four (4) sub-slab sampling ports located in the residential, restaurant, and kiosk buildings were sampled. In addition, four (4) concurrent indoor air samples were collected in close proximity to each sub slab sample. The sub-slab sampling ports were purged with a low flow pump prior to sample collection. Six (6) liter Summa canisters with a 24-hour sample collection duration were used for both indoor air and sub-slab samples. After sample completion, the Summa canisters were delivered under chain of custody to SGS North America Inc, a NELAP-certified laboratory, for analysis of EPA method TO-15. Both indoor air and sub slab samples were collected in accordance with the NYSDEC “Guidance for Evaluating Soil Vapor Intrusion in the State of New York”, dated October 2006. Based on a review of the results of the 2022 sub slab and indoor air

testing event, exceedances of the NYSDOH Vapor/Indoor Air Matrices, May 2017, were not identified. Lab reports associated with the vapor and indoor air sampling are included in **Appendix D**.

4.0 IC/EC PLAN COMPLIANCE

4.1 IC/EC REQUIREMENTS AND COMPLIANCE

Institutional Controls

ICs in-place at the Site consist of (1) groundwater use restriction, (2) land-use restriction, (3) Monitoring Plan, and (4) Site Management Plan.

The groundwater use restriction is to prohibit the use of the groundwater underlying the property without treatment to render it safe for its intended use. Prior to its treatment and use, approval must be obtained from the Westchester County Department of Health. There is no intention to use the groundwater for any purpose; therefore, this control remains in-place and is effective.

During the 2015 PRR reporting period, an amended environmental easement document was filed for the subject property to address the new land-use associated with the newly constructed playground on the property that had been completed during the 2015 PRR reporting period. Prior to installation of the playground equipment, a fabric demarcation layer was installed in the playground area above the residual contaminated soil, and two (2) feet of additional clean fill was placed above the fabric. The new easement divides the property into three (3) portions: Easement A, which is associated with the playground area, Easement B, which is associated with the multi-story residential complex, and Easement C, which is associated with the restaurant, kiosk, and landscaped/paved areas. The new easement allows for the “commercial use” of the controlled property for Easement C and “restricted residential use” of the controlled property for Easement A and Easement B. The IC & EC Certification Form, found **in Appendix H** in this PRR, addresses the change in land-use, and the Environmental Easement, Easement legal descriptions, and the Environmental Easement Map are provided as documentation in **Appendix F** of this PRR.

The Monitoring Plan is intended as a means to observe the long-term effectiveness of the ECs at the Site. If at any time, the results of the monitoring plan indicate that the site remedy is no longer effective or protective of human health, then ICs may be adjusted and/or added based on monitoring data.

The SMP is intended to provide guidance for any and all intrusive activities on the Site, including building construction/expansion, utility line repair/construction and any new construction activities that will cause a disturbance of the soil beneath the demarcation layer. With the exception of the previously mentioned shoreline protection activities, there have been no other intrusive activities on the Site during the monitoring period. The SMP remains in place and is effective.

Engineering Controls

The ECs in place at the Site consist of (1) site cover system, (2) a subsurface barrier, (3) sub-slab vapor mitigation system, and (4) a monitoring well network.

The Site cover system consists of a minimum six (6) inches of concrete, asphalt or structure or a minimum one-foot-thick clean soil cover underlain by a demarcation barrier (minimum two-foot-thick clean soil cover with underlying demarcation barrier in the playground area). The objective of this is to prevent the public from being exposed to the residual contamination present beneath the soil cover. The Site cover system remains in-place and is effective.

The subsurface barrier is a soil-bentonite slurry wall that was constructed to provide a containment barrier to prevent the migration of DNAPL farther west to the Hudson River. The deep monitoring wells west of the slurry wall have been gauged for the presence of DNAPL. No DNAPL was detected in the deep monitoring wells west of the slurry wall. The subsurface barrier remains in-place and is effective.

A sub-slab vapor mitigation system is required for all buildings constructed on the Site. This system is intended to prevent the intrusion of harmful vapors into the buildings. To date, installation of the SSDS has been completed for all of the buildings on Site. In order to monitor the effectiveness of the SSDS and to assess the vapor intrusion, investigations were performed during the 2016-2017 and 2017-2018 heating season across the occupied buildings on Site following construction completion. Exceedances of the NYSDOH Decision Matrices Values, dated May 2017, were not identified in either event. However, per the request of the NYSDEC and NYSDOH, a third VI event was performed in March 2022 as previously discussed in Section 3.

A DNAPL recovery well system was in place until 2019. It was intended to monitor the presence of DNAPL at the ends of the slurry wall and to actively recover DNAPL (from RW-D). Con Ed's environmental consultant has performed quarterly evacuations of RW-D but has ceased DNAPL recovery events in 2019 as previously discussed. SESI annually gauges the wells on site for presence of DNAPL. Based on the results of the gauging, there is no DNAPL present at the ends of the slurry wall.

ARCADIS had been performing quarterly monitoring of recovery wells RW-A, RW-B, RW-C1, RW-C2, and RW-D, but ceased these activities in 2019.

Based on the declining amount of recoverable DNAPL at recovery well RW-A and the absence of measurable DNAPL at recovery wells RW-B, RW-C1, and RW-C2, ARCADIS recommended that future quarterly fluid level monitoring and recovery activities be solely focused on RW-D and recommended that the on-Site recovery wells RW-A, RW-B, RW-C1, and RW-C2 be discontinued from the quarterly monitoring events based on the minimal or no presence of DNAPL in these wells.

ARCADIS, on behalf of ConEdison, had ceased conducting quarterly gauging of the deep monitoring/recovery (MW-A, MW-B, MW-C1, and MW-C2) as well as quarterly DNAPL recovery efforts at MW-D during the 2019 reporting period as previously discussed in Section 1.2. A copy of the ARCADIS CCR is provided in **Appendix B.**

An on-Site monitoring well network is in place consisting of two (2) monitoring wells. It is intended to monitor both the shallow and deep groundwater impacts. The monitoring wells are sampled yearly to compare the results to previous years' testing to check the effectiveness of the natural attenuation/degradation. The deep monitoring wells are also used to gauge for the presence of DNAPL. The monitoring wells are all currently in-place and effective for their purpose. We recommend that the wells continued to be sampled on an annual basis.

During this reporting period, SESI did not observe any deficiencies in the monitoring well network.

- Criteria for Completion of Remediation/Termination of Remedial Systems

Generally, remedial processes are considered completed when monitoring indicates that the remedy has achieved the remedial action objectives identified by the decision document. The framework for determining when remedial processes are complete is provided in Section 6.4 of NYSDEC DER-10.

- Monitoring Wells associated with Monitored Natural Attenuation

Groundwater monitoring activities to assess natural attenuation will continue, as determined by the NYSDEC with consultation with NYSDOH, until residual groundwater concentrations are found to be consistently below ambient water quality standards, the Site standards, criteria, and guidance have been met, or have become asymptotic at an acceptable level over an extended period. In the event that monitoring data indicates that monitoring for natural attenuation may no longer be required, a proposal to discontinue the monitoring will be submitted by the remedial party. Monitoring will continue until permission to discontinue is granted in writing by the NYSDEC. If groundwater contaminant levels become asymptotic at a level that is not acceptable to the NYSDEC, additional source removal, treatment and/or control measures will be evaluated.

4.2 IC/EC CERTIFICATION

The NYSDEC Institutional and Engineering Controls Certification Form has been completed and is included in **Appendix H**.

5.0 MONITORING AND COMPLIANCE

Monitoring Completed During Current Reporting Period

Table 5.1: Monitoring Program Frequency

Monitoring Program	Frequency	Matrix	Analysis	Frequency Completed
Composite Cover System	Annual	Solid	Visual Inspection Maintenance Records Review	Annual
Slurry Wall	Annual	Solid	Visual Inspection Maintenance Records Review Gauge monitoring wells MW-A, MW-B, MW-C1, MW-C2, MW-D, MW-2, MW-2A, MW-6A, MW-6B, and MW-7A, for presence of DNAPL	Annual Annual Annual
DNAPL Recovery System	Ceased per ARCADIS CCR (2019)	Liquid	Visual Inspection Maintenance Records Review Gauge MW-A and MW-D to measure DNAPL thickness	Ceased per ARCADIS CCR (2019)
SSDS	Annual	Air	Visual Inspection Maintenance Records Review	Annual
Monitoring Well Sampling	Annual	Liquid	Sample monitoring wells for VOCs and SVOCs	Annual
Indoor Air Quality	Request from NYSDOH	Air	Volatile Organics using USEPA Method TO-15	Heating Season 2021-2022

Soil Cover

Soil cover system visual inspections were conducted by SESI on July 29, 2022, as required by the SMP. The cover system was intact and there was no invasive subsurface

work conducted during the current reporting period. A copy of the annual field inspection form is provided in **Appendix E**.

Groundwater Monitoring

Based on a review of the results of the groundwater sampling and testing during this reporting period, it appears that the levels for many of the constituents have reduced. The 2020 groundwater sampling event identified one (1) sample that contained a VOC exceedance for benzene in MW-2A (12 ppb), which has reduced ten-fold in comparison to the 2019 event result for benzene (120 ppb). There was one (1) sample that contained an SVOC exceedance for acenaphthene in MW-7A at 38 ppb, which has remained similar to the 39 ppb concentration detected from the 2019 event. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Similar to the 2019 event, the SVOC dibenzofuran was detected in MW-7A at 7.3 ppb; however, no promulgated groundwater quality standard has been established for dibenzofuran, but rather, the NY TAGM guidance value of 5 ppb has been utilized as a recommended cleanup value for dibenzofuran in groundwater. As a result, the reported concentrations for any groundwater samples above 5 ppb for dibenzofuran do not constitute regulatory "exceedances" to any promulgated standard. In conclusion, the 2020 groundwater testing results indicate that natural attenuation continues to trend toward an effective reduction of groundwater contaminant levels at the Site.

The 2021 groundwater sampling event identified one (1) sample that contained an SVOC exceedance for acenaphthene in MW-7A at 35.2 ppb, which has slightly decreased from the concentration of 38 ppb detected from the 2020 event. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Similar to the 2020 event, the SVOC dibenzofuran was detected in MW-7A at 8.53 ppb, which is above the NY TAGM guidance value of 5 ppb in groundwater. MW-7A also indicated concentrations of benzo(a)anthracene and benzo(b)fluoranthene at 0.156 ppb and 0.0256 ppb, respectively, which exceed the NY TAGM and NY TOGS values and have not been previously detected

in MW-7A. In addition, MW-2A indicated an acetone concentration of 65.8 ppb. However, acetone is a common laboratory contaminant and has not historically been a contaminant of concern detected in MW-7A. In conclusion, the 2021 groundwater testing results indicate that natural attenuation continues to trend toward an effective reduction of groundwater contaminant levels at the Site.

The 2022 groundwater sampling identified exceedances to the NY TOGS or TAGM for acenaphthene (45.9 ppb) and benzo(a)anthracene (0.176 ppb) in sample Dup-1. These constituents, along with the rest of the VOCs and SVOCs, were not detected in exceedance of the NY TOGS or TAGM in sample labelled MW-2A and MW-7A. The analytical results for Dup-1 appear consistent with historical sampling data for MW-7A. A labeling error likely occurred during sample collection resulting in a discrepancy between the duplicate and parent sample results. As such, sample Dup-1 is assumed to be the sample intended to be collected for MW-7A. This change is reflected in Table 1.1. This will be monitored and evaluated during the next reporting period. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Lab reports associated with the groundwater data from 2020-2022 are included in **Appendix D**. Groundwater purge sheets for the sampling event is included as **Appendix G**.

Slurry Wall Monitoring

SESI was on Site on June 10, 2022, to gauge the monitoring and recovery wells on Site for the presence of DNAPL. DNAPL was not observed in any of the on-Site monitoring wells. Based on the results of the gauging, there is no DNAPL present at the ends of the slurry wall.

SSDS Monitoring

SESI observed the SSDS during the inspection of engineering controls performed on June 29, 2022. SESI did not identify any deficiencies in the SSDS during the inspection and review of Site maintenance records.

Indoor Air Quality

Per request of the NYSDEC and NYSDOH, SESI performed a VI investigation during 2021-2022 heating season to evaluate the sub-slab and indoor air concentrations in the residential, restaurant, and kiosk buildings. Results of the VI investigation did not identify exceedances of the NYSDOH Decision Matrices Values, dated May 2017.

Comparison with Remedial Objectives

Composite Cover System

The remedial objectives for the Composite Cover System are being met. The Composite Cover System continues to be protective of the human health and the environment for the intended restricted residential use of the property.

Groundwater

The 2022 groundwater sampling identified exceedances to the NY TOGS or TAGM for acenaphthene (45.9 ppb) and benzo(a)anthracene (0.176 ppb) in sample Dup-1. These constituents, along with the rest of the VOCs and SVOCs, were not detected in exceedance of the NY TOGS or TAGM in sample labelled MW-2A and MW-7A. The analytical results for Dup-1 appear consistent with historical sampling data for MW-7A. A labeling error likely occurred during sample collection resulting in a discrepancy between the duplicate and parent sample results. As such, sample Dup-1 is assumed to be the sample intended to be collected for MW-7A. This change is reflected in Table 1.1. This will be monitored and evaluated during the next reporting period. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Lab reports associated with the groundwater data from 2020-2022 are included in **Appendix D**. Groundwater purge sheets for the sampling event is included as **Appendix G**.

Monitoring Deficiencies

All aspects of the monitoring plan were in accordance with NYDEC applicable regulations.

Conclusions and Recommendations

All aspects of the remedial program appear to be meeting the Site remedy design goal. We recommend that the composite cover system and SSDS inspections, groundwater sampling of MW-2A and MW-7A, and DNAPL gauging of the well network continue on an annual basis. All other aspects of the monitoring program should remain at the frequency listed in the table above.

6.0 OPERATION AND MAINTENANCE PLAN COMPLIANCE

The Operation and Maintenance Plan describes the measures necessary to operate and maintain any mechanical components of the remedy selected for the Site (i.e., SSDS). This Operation and Maintenance Plan:

- Includes the steps necessary to allow individuals unfamiliar with the Site to operate and maintain the SSDSs;
- Includes an operation and maintenance contingency plan; and,
- Will be updated periodically to reflect changes in Site conditions or the manner in which the SSDSs are operated and maintained.

A copy of this Operation and Maintenance Plan, along with the complete SMP, will be kept at the Site. This Operation and Maintenance Plan is not to be used as a stand-alone document, but as a component document of the SMP. The Operation and Maintenance Plan is subject to NYSDEC revision.

Sub-Slab Depressurization System

The SSDS on Site operates in a passive mode with no blowers. SESI completed an annual inspection of the SSDS on June 29, 2022 in accordance with the Operations and Maintenance Plan that can be found in Section 4 of the SMP, dated December 2016. The inspection confirmed components of the SSDS are intact and protective of human health.

DNAPL Recovery

Following the evacuation of MW-A in November 2012, recovery activities in this well were discontinued due to the continued decline of DNAPL product during the previous recovery events. Consolidated Edison performed the work related to the DNAPL contamination on this Site, under an agreement with the Applicant. The DNAPL recovery efforts then consisted of quarterly recovery events with evacuations from MW-D, which is adjacent to the northeast portion of the site in Westerly Road. The goal of the long term DNAPL remedy is physical removal of the DNAPL through recovery from one (1) well – MW-D – which was periodically pumped until such time as Track 1 SCOs are achieved, and monitoring in the four (4) additional wells – MW-A, MW-B, MW-C1, and MW-C2 - on either side of the slurry wall. In the unlikely event that DNAPL migrates toward these four (4) wells, recovery pumping would be commenced in these four (4) wells. As previously discussed, ARCADIS on behalf of Consolidated Edison ceased DNAPL evacuation events

in March of 2019 due to the presence of trace or no quantities of DNAPL detected in the deep monitoring/recovery wells.

The need for an automated DNAPL recovery system was evaluated (through field tests of DNAPL yield associated with MW-A) by Consolidated Edison. It was decided that an automated DNAPL recovery system was not necessary. In the unlikely event that NYSDEC determines an automated pumping recovery system must be installed, such a system shall be installed. The system operation and maintenance discussed in the operations and maintenance plan will be updated, as needed, if and when the automated recovery system is installed.

Groundwater Monitoring Well Maintenance

If biofouling or silt accumulation has occurred in the on-Site monitoring wells, the wells will be physically agitated/surged and redeveloped. Additionally, monitoring wells will be properly decommissioned and replaced (as per the Monitoring Plan) if an event renders the wells unusable.

7.0 CONCLUSIONS AND RECOMMENDATIONS

Compliance with the SMP

All aspects of the SMP including IC/EC and monitoring have met the requirements. The OM&M is not required at this time for the Site.

There are no new exposure pathways resulting in an unacceptable risk.

Performance and Effectiveness of the Remedy

The composite cover system remains intact on the Site. The cover system has been and will continue to be effective in preventing public exposure to the residual contamination left on Site beneath the cover system.

The slurry wall remains an effective barrier to prevent the migration of the DNAPL into the Hudson River. The slurry wall will continue to meet the remedial objectives for the Site as confirmed by the monitoring well gauging and sampling events.

The sampling of the monitoring well network will be useful in determining the effectiveness of the natural degradation of the residual petroleum-impacted groundwater. Based on a review of the results of the groundwater sampling and testing, it appears that the levels for many of the constituents have reduced. The 2022 groundwater sampling identified exceedances to the NY TOGS or TAGM for acenaphthene (45.9 ppb) and benzo(a)anthracene (0.176 ppb) in sample Dup-1. These constituents, along with the rest of the VOCs and SVOCs, were not detected in exceedance of the NY TOGS or TAGM in sample labelled MW-2A and MW-7A. The analytical results for Dup-1 appear consistent with historical sampling data for MW-7A. A labeling error likely occurred during sample collection resulting in a discrepancy between the duplicate and parent sample results. As such, sample Dup-1 is assumed to be the sample intended to be collected for MW-7A. This change is reflected in Table 1.1. This will be monitored and evaluated during the next reporting period. MW-7A remains the only monitoring well on Site exhibiting an oscillating trend of acenaphthene levels detected over time, as natural attenuation patterns were more readily observed in the other monitoring wells with historical detections for acenaphthene. Lab reports associated with the groundwater data from 2020-2022 are included in **Appendix D**. Groundwater purge sheets for the sampling event is included as **Appendix G.**

Future PRR Submittals

Annual PRR letters will be submitted each year along with the next full PRR to be submitted in July 2025

Recommendations

We recommend the following for the next reporting period:

- Cover system: continue the annual visual inspection of the cover system
- SSDS: continue the annual visual inspection of the SSDS
- Annual groundwater monitoring and sampling of monitoring wells MW-2A and MW-7A
- Annual well network gauging for the presence of DNAPL

Tables

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A
LAB ID:			07110833-01	AC51902-008	AC58765-006	AC65207-011	AC72263-007	AC78779-001	AC84603-001	AC91349-006	AC98051-005	460-157702-4	460-183874-1	07110833-07	AC51902-007	AC58765-010	AC65207-012	AC72263-001
DATE COLLECTED:			11/26/2007	5/25/2010	4/29/2011	4/9/2012	5/7/2013	5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	11/26/2007	5/25/2010	4/29/2011	4/9/2012	5/7/2013
Volatile Organics																		
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	5	NA	ND	ND	ND	1.2	ND	2.4	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**36**	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	NA	ND	ND	ND	ND	ND	1.2	ND	ND	ND	NA	NA	ND	ND	ND	ND
1,3-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
2-Butanone	50	50	ND	ND	ND	ND	ND	ND	ND	**640**	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	2	ND	ND	ND	ND	ND	ND	**440**	ND	ND	ND	**58**	ND	ND	ND	ND
Acrolein	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Acrylonitrile	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Benzene	0.7	1	**10**	**39**	ND	ND	**8.9**	0.67	**17**	ND	ND	ND	ND	**3,300**	**6,400**	**5,100**	**6,500**	**6,400**
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	3.7	ND	**8.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NA	5	ND	ND	ND	1	2.6	2.9	**6.5**	ND	ND	0.36	ND	ND	ND	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND	ND	2.3	ND	1.6	ND	ND	ND	ND	ND	ND	**65**	ND	ND
Methylene chloride	5	5	3	ND	ND	ND	ND	ND	ND	ND	ND	0.36	ND	**100**	ND	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
N-Propylbenzene	NA	5	NA	ND	ND	ND	ND	ND	1.4	ND	ND	ND	NA	NA	ND	ND	ND	ND
O-Xylene	5	5	ND	ND	ND	ND	1	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Styrene	NA	5	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
T-Butylbenzene	NA	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	**7**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)				ND	ND	ND	3.3	ND	5.8	ND	ND	ND	ND	ND	ND	**65**	ND	ND

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Base Neutral Organics																		
1,2,4-Trichlorobenzene	5	5	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA
1,2-Diphenylhydrazine	NA	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4,6-Trichlorophenol	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4-Dichlorophenol	1	1	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4-Dimethylphenol	NA	50	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4-Dinitrophenol	5	10	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
3&4-Methylphenol	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA
Acenaphthene	20	20	**27**	13	**24**	**28**	**40**	**33**	**30**	6.9	12	4	11	ND	ND	ND	ND	ND
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Anthracene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA

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SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A
LAB ID:			07110833-01	AC51902-008	AC58765-006	AC65207-011	AC72263-007	AC78779-001	AC84603-001	AC91349-006	AC98051-005	460-157702-4	460-183874-1	07110833-07	AC51902-007	AC58765-010	AC65207-012	AC72263-001
DATE COLLECTED:			11/26/2007	5/25/2010	4/29/2011	4/9/2012	5/7/2013	5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	11/26/2007	5/25/2010	4/29/2011	4/9/2012	5/7/2013
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	**51**	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	9	ND	ND	ND	3.4	ND	**32**	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**10**	**11**	ND	ND
Pyrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A
LAB ID:			07110833-01	AC51902-008	AC58765-006	AC65207-011	AC72263-007	AC78779-001	AC84603-001	AC91349-006	AC98051-005	460-157702-4	460-183874-1	07110833-07	AC51902-007	AC58765-010	AC65207-012	AC72263-001
DATE COLLECTED:			11/26/2007	5/25/2010	4/29/2011	4/9/2012	5/7/2013	5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	11/26/2007	5/25/2010	4/29/2011	4/9/2012	5/7/2013
Metals																		
Mercury	NA	0.7	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Aluminum			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND
Antimony			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Arsenic			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Barium	NA	1000	NA	270	230	160	200	390	190	NA	NA	NA	NA	NA	32	41	ND	ND
Beryllium			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Cadmium			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	2.1	ND	ND
Calcium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Chromium	NA	50	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Cobalt			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	ND
Copper	NA	200	NA	33	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Iron			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Lead	NA	25	0.034	ND	ND	ND	5.4	ND	ND	NA	NA	NA	NA	ND	ND	5.4	ND	4.3
TCLP Lead			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Magnesium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Manganese			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Nickel			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Potassium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Selenium			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Silver			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Sodium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Thallium			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND
Vanadium			NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA
Zinc			NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	56	ND	ND
PCBS																		
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters																		
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A
LAB ID:			AC78779-002	AC84603-002	AC91349-005	AC98051-004	460-157702-5	460-183874-2	460-212426-1	1061422-01	2060575-01	07110833-02	AC51902-010	AC65207-009	AC72263-008	AC84603-003	AC91349-004	08010442-01	AC51902-009
DATE COLLECTED:			5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	6/30/2020	6/28/2021	6/10/2022	11/26/2007	5/25/2010	4/9/2012	5/7/2013	4/28/2015	5/13/2016	1/15/2008	5/25/2010
Volatile Organics																			
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
1,2,4-Trimethylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
1,3-Dichlorobenzene	5	3	ND	ND	ND	ND	0.42	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	5	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
2-Butanone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4700**	ND	ND	ND
2-Chloroethylvinylether	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	ND	ND	ND	ND	34	11	7.9	**65.8**	24.8	3	15	ND	ND	**2100**	ND	18	ND
Acrolein	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
Acrylonitrile	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
Benzene	0.7	1	**3,900**	**2,800**	**2,000**	**1,300**	**84**	**120**	**12**	ND	0.531	**7**	**71**	ND	0.68	ND	ND	**23**	**53**
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3	ND
Isopropylbenzene	NA	5	ND	ND	ND	ND	0.77	1.2	1.2	0.596	0.713	3	ND	1.8	ND	ND	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	**11**	ND
Methylene chloride	5	5	ND	ND	ND	ND	ND	ND	ND	NA	NA	3	ND	ND	ND	ND	ND	**5**	ND
Methyl-t-butyl ether	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
N-Propylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND
O-Xylene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**11**	ND
Sec-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	2.8	ND	ND	ND	NA	ND
Styrene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND
T-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	3	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A
LAB ID:			AC78779-002	AC84603-002	AC91349-005	AC98051-004	460-157702-5	460-183874-2	460-212426-1	1061422-01	2060575-01	07110833-02	AC51902-010	AC65207-009	AC72263-008	AC84603-003	AC91349-004	08010442-01	AC51902-009
DATE COLLECTED:			5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	6/30/2020	6/28/2021	6/10/2022	11/26/2007	5/25/2010	4/9/2012	5/7/2013	4/28/2015	5/13/2016	1/15/2008	5/25/2010
Base Neutral Organics																			
1,2,4-Trichlorobenzene	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	ND	ND
1,2-Diphenylhydrazine	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
2,4,5-Trichlorophenol	1	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	0.455	ND	ND	NA	NA	NA	NA	ND	ND
2,4-Dichlorophenol	1	1	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
2,4-Dimethylphenol	NA	50	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
2,4-Dinitrophenol	5	10	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	17	ND
2-Methylphenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
3&4-Methylphenol	50	NA	NA	NA	NA	2.7	NA	NA	NA	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND
Acenaphthene	20	20	ND	ND	ND	ND	ND	ND	ND	ND	ND	6	ND	6	ND	12	ND	9	ND
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	5	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
Anthracene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	NA	NA	NA	23	NA	NA	NA	NA	NA	ND	ND	NA	NA	NA	NA	ND	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A
LAB ID:			AC78779-002	AC84603-002	AC91349-005	AC98051-004	460-157702-5	460-183874-2	460-212426-1	1061422-01	2060575-01	07110833-02	AC51902-010	AC65207-009	AC72263-008	AC84603-003	AC91349-004	08010442-01	AC51902-009
DATE COLLECTED:			5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	6/30/2020	6/28/2021	6/10/2022	11/26/2007	5/25/2010	4/9/2012	5/7/2013	4/28/2015	5/13/2016	1/15/2008	5/25/2010
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	NA	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4	ND	1	ND	ND	ND
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluorene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	4.6	ND	6.5	ND	5	ND
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.5	ND	**141**	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	0.477	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	6.9	ND	2.2	ND	5	ND
Phenol	1	1	ND	ND	ND	**9.8**	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-2A	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4	MW-4A	MW-4A
LAB ID:			AC78779-002	AC84603-002	AC91349-005	AC98051-004	460-157702-5	460-183874-2	460-212426-1	1061422-01	2060575-01	07110833-02	AC51902-010	AC65207-009	AC72263-008	AC84603-003	AC91349-004	08010442-01	AC51902-009
DATE COLLECTED:			5/20/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	6/30/2020	6/28/2021	6/10/2022	11/26/2007	5/25/2010	4/9/2012	5/7/2013	4/28/2015	5/13/2016	1/15/2008	5/25/2010
Metals																			
Mercury	NA	0.7	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Aluminum			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Arsenic			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	2.5	NA	NA	ND
Barium	NA	1000	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	500	430	330	380	NA	NA	260
Beryllium			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Cadmium			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Calcium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	50	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Cobalt			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	200	ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Iron			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	25	ND	ND	NA	NA	NA	NA	NA	NA	NA	0.061	**28**	**72**	9	4.9	NA	0.042	11
TCLP Lead			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Potassium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Silver			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Sodium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND
Vanadium			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc			ND	ND	NA	NA	NA	NA	NA	NA	NA	NA	ND	63	ND	ND	NA	NA	ND
PCBS																			
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters																			
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-4A
LAB ID:			AC58765-005
DATE COLLECTED:			4/29/2011
Volatile Organics			
1,1,1-Trichloroethane	5	5	ND
1,1,2,2-Tetrachloroethane	5	5	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND
1,1,2-Trichloroethane	NA	1	ND
1,1-Dichloroethane	5	5	ND
1,1-Dichloroethene	5	5	ND
1,2,3-Trichloropropane	5	0.04	ND
1,2,4-Trimethylbenzene	NA	5	ND
1,2-Dichlorobenzene	4.7	3	ND
1,2-Dichloroethane	5	0.6	ND
1,2-Dichloropropane	NA	1	ND
1,3,5-Trimethylbenzene	NA	5	ND
1,3-Dichlorobenzene	5	3	ND
1,3-Dichloropropane	5	5	ND
1,4-Dichlorobenzene	5	3	ND
1,4-Dioxane	NA	NA	ND
2-Butanone	50	50	ND
2-Chloroethylvinylether	NA	NA	ND
2-Hexanone	NA	50	ND
4-Isopropyltoluene	NA	5	ND
4-Methyl-2-Pentanone	50	NA	ND
Acetone	50	NA	ND
Acrolein	NA	NA	ND
Acrylonitrile	NA	NA	ND
Benzene	0.7	1	**2.7**
Bromodichloromethane	NA	50	ND
Bromoform	NA	50	ND
Bromomethane	NA	5	ND
Carbon disulfide	50	60	ND
Carbon tetrachloride	5	5	ND
Chlorobenzene	5	5	ND
Chloroethane	50	5	ND
Chloroform	7	7	ND
Chloromethane	NA	NA	ND
Cis-1,2-Dichloroethene	NA	5	ND
Cis-1,3-Dichloropropene	NA	0.4	ND
Dibromochloromethane	50	50	ND
Dichlorodifluoromethane	NA	5	ND
Ethylbenzene	5	5	ND
Isopropylbenzene	NA	5	ND
M&p-Xylenes	5	5	ND
Methylene chloride	5	5	ND
Methyl-t-butyl ether	NA	10	ND
N-Butylbenzene	NA	5	ND
N-Propylbenzene	NA	5	ND
O-Xylene	5	5	ND
Sec-Butylbenzene	NA	5	ND
Styrene	NA	5	ND
T-Butyl Alcohol	NA	NA	ND
T-Butylbenzene	NA	5	ND
Tetrachloroethene	5	5	ND
Toluene	5	5	ND
Trans-1,2-Dichloroethene	5	5	ND
Trans-1,3-Dichloropropene	NA	0.4	ND
Trichloroethene	5	5	ND
Trichlorofluoromethane	NA	5	ND
Vinyl chloride	2	2	ND
Xylenes (Total)			ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-4A
LAB ID:			AC58765-005
DATE COLLECTED:			4/29/2011
Base Neutral Organics			
1,2,4-Trichlorobenzene	5	5	ND
1,2-Diphenylhydrazine	NA	ND	ND
2,4,5-Trichlorophenol	1	NA	ND
2,4,6-Trichlorophenol	NA	NA	ND
2,4-Dichlorophenol	1	1	ND
2,4-Dimethylphenol	NA	50	ND
2,4-Dinitrophenol	5	10	ND
2,4-Dinitrotoluene	NA	5	ND
2,6-Dinitrotoluene	5	5	ND
2-Chloronaphthalene	NA	10	ND
2-Chlorophenol	50	NA	ND
2-Methylnaphthalene	50	NA	ND
2-Methylphenol	5	NA	ND
2-Nitroaniline	5	5	ND
2-Nitrophenol	5	NA	ND
3&4-Methylphenol	50	NA	ND
3,3'-Dichlorobenzidine	NA	5	ND
3-Nitroaniline	5	5	ND
4,6-Dinitro-2-methylphenol	NA	NA	ND
4-Bromophenyl-phenylether	NA	NA	ND
4-Chloro-3-methylphenol	5	NA	ND
4-Chloroaniline	5	5	ND
4-Chlorophenyl-phenylether	NA	NA	ND
4-Nitroaniline	NA	5	ND
4-Nitrophenol	5	NA	ND
Acenaphthene	20	20	11
Acenaphthylene	20	NA	ND
Aniline	5	5	ND
Anthracene	50	50	ND
Benzidine	NA	NA	ND
Benzo[a]anthracene	0.002	NA	ND
Benzo[a]pyrene	0.002	NA	ND
Benzo[b]fluoranthene	0.002	0.002	ND
Benzo[g,h,i]perylene	5	NA	ND
Benzo[k]fluoranthene	0.002	0.002	ND
Benzoic acid	50	NA	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-4A
LAB ID:			AC58765-005
DATE COLLECTED:			4/29/2011
Bis(2-Chloroethoxy)methane	NA	5	ND
Bis(2-Chloroethyl)Ether	NA	1	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND
Butylbenzylphthalate	50	50	ND
Carbazole	NA	NA	3.1
Chrysene	0.002	0.002	ND
Dibenzo[a,h]Anthracene	50	NA	ND
Dibenzofuran	5	NA	3
Diethylphthalate	50	50	ND
Dimethylphthalate	50	50	ND
Di-n-butylphthalate	50	50	ND
DI-n-octylphthalate	50	50	ND
Fluoranthene	50	50	ND
Fluorene	50	50	4.8
Hexachlorobenzene	0.35	0.04	ND
Hexachlorobutadiene	NA	0.5	ND
Hexachlorocyclopentadiene	NA	5	ND
Hexachloroethane	NA	5	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND
Isophorone	50	50	ND
Naphthalene	10	10	**21**
Nitrobenzene	5	0.4	ND
N-Nitrosodimethylamine	NA	NA	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND
N-Nitrosodiphenylamine	NA	50	ND
Pentachlorophenol	1	1	ND
Phenanthrene	50	50	ND
Phenol	1	1	ND
Pyrene	50	50	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-4A
LAB ID:			AC58765-005
DATE COLLECTED:			4/29/2011
Metals			
Mercury	NA	0.7	ND
Aluminum			ND
Antimony			ND
Arsenic			ND
Barium	NA	1000	210
Beryllium			ND
Cadmium			ND
Calcium			ND
Chromium	NA	50	ND
Cobalt			ND
Copper	NA	200	ND
Iron			ND
Lead	NA	25	**31**
TCLP Lead			ND
Magnesium			ND
Manganese			ND
Nickel			ND
Potassium			ND
Selenium			ND
Silver			ND
Sodium			ND
Thallium			ND
Vanadium			ND
Zinc			ND
PCBS			
Aroclor-1016			NA
Aroclor-1221			NA
Aroclor-1232			NA
Aroclor-1242			NA
Aroclor-1248			NA
Aroclor-1254			NA
Aroclor-1260			NA
Aroclor-1262			NA
Aldrin			NA
Alpha-BHC			NA
beta-BHC			NA
Chlordane			NA
delta-BHC			NA
Dieldrin			NA
Endosulfan I			NA
Endosulfan II			NA
Endosulfan Sulfate			NA
Endrin			NA
Endrin Aldehyde			NA
Endrin Ketone			NA
Gamma-BHC			NA
Heptachlor			NA
Heptachlor Epoxide			NA
Methoxychlor			NA
p,p'-DDD			NA
p,p'-DDE			NA
p,p'-DDT			NA
Toxaphene			NA
Other Parameters			
% Solids			NA
Cyanide			NA
Cr (Hexavalent)			NA

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-4A	MW-4A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6B	MW-6B	MW-6B	MW-6B
LAB ID:			AC65207-010	AC72263-002	08010442-02	AC51902-006	AC58765-008	AC65207-004	AC72263-009	AC84603-004	AC91349-002	AC98051-002	460-157702-3	460-183874-3	08010442-03	AC51902-005	AC58765-007	AC65207-005
DATE COLLECTED:			4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012
Volatile Organics																		
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
1,2,4-Trimethylbenzene	NA	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
1,3-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.6	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
2-Butanone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	ND	ND	8	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	ND	ND	ND
Acrolein	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
Acrylonitrile	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
Benzene	0.7	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NA	5	ND	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	5	ND	ND	**6**	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Butylbenzene	NA	5	ND	1.2	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
N-Propylbenzene	NA	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
O-Xylene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	NA	5	ND	4	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
Styrene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
T-Butylbenzene	NA	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-4A	MW-4A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6B	MW-6B	MW-6B	MW-6B
LAB ID:			AC65207-010	AC72263-002	08010442-02	AC51902-006	AC58765-008	AC65207-004	AC72263-009	AC84603-004	AC91349-002	AC98051-002	460-157702-3	460-183874-3	08010442-03	AC51902-005	AC58765-007	AC65207-005
DATE COLLECTED:			4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012
Base Neutral Organics																		
1,2,4-Trichlorobenzene	5	5	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA
1,2-Diphenylhydrazine	NA	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
2,4,5-Trichlorophenol	1	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
2,4-Dichlorophenol	1	1	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
2,4-Dimethylphenol	NA	50	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
2,4-Dinitrophenol	5	10	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	5	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
3&4-Methylphenol	50	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA
Acenaphthene	20	20	ND	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	5	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
Anthracene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzidine	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-4A	MW-4A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6B	MW-6B	MW-6B	MW-6B
LAB ID:			AC65207-010	AC72263-002	08010442-02	AC51902-006	AC58765-008	AC65207-004	AC72263-009	AC84603-004	AC91349-002	AC98051-002	460-157702-3	460-183874-3	08010442-03	AC51902-005	AC58765-007	AC65207-005
DATE COLLECTED:			4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7
Fluorene	50	50	ND	3.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	50	ND	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pyrene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	3.2

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-4A	MW-4A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6A	MW-6B	MW-6B	MW-6B	MW-6B
LAB ID:			AC65207-010	AC72263-002	08010442-02	AC51902-006	AC58765-008	AC65207-004	AC72263-009	AC84603-004	AC91349-002	AC98051-002	460-157702-3	460-183874-3	08010442-03	AC51902-005	AC58765-007	AC65207-005
DATE COLLECTED:			4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012
Metals																		
Mercury	NA	0.7	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**11**
Aluminum			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Antimony			ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	16
Arsenic			ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	28
Barium	NA	1000	270	400	NA	200	120	130	300	150	NA	NA	NA	NA	NA	220	110	390
Beryllium			ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND
Cadmium			ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	5.2
Calcium			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Chromium	NA	50	ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**200**
Cobalt			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Copper	NA	200	ND	ND	NA	ND	29	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	**470**
Iron			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Lead	NA	25	**26**	**27**	0.06	18	**100**	ND	6.3	ND	NA	NA	NA	NA	0.506	10	**42**	**760**
TCLP Lead			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Magnesium			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Manganese			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Nickel			ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND
Potassium			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Selenium			ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND
Silver			ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	52
Sodium			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Thallium			ND	ND	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND
Vanadium			NA	NA	NA	NA	ND	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	NA
Zinc			ND	ND	NA	ND	72	ND	ND	ND	NA	NA	NA	NA	NA	ND	65	1000
PCBS																		
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters																		
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC72263-003	AC84603-005	AC91349-001	AC98051-001	460-157702-2	460-183874-4	08010442-05	AC51902-003	AC58765-004	AC65207-001	AC72263-004	08010442-04	AC51902-004	AC58765-001	AC65207-002	AC72263-012
DATE COLLECTED:			5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013
Volatile Organics																		
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2,4-Trimethylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,3-Dichlorobenzene	5	3	ND	ND	ND	ND	0.44	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3-Dichloropropane	5	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
2-Butanone	50	50	ND	28	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloroethylvinylether	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	ND	32	ND	ND	ND	ND	10	ND	ND	ND	ND	11	ND	ND	ND	ND
Acrolein	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Acrylonitrile	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Benzene	0.7	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND	ND	0.23	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	5	ND	ND	ND	ND	ND	ND	**5**	ND	ND	ND	ND	**5**	ND	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	ND	ND	ND	ND	ND	ND	0.65	ND	ND	ND	2	1.5	0.79	0.87	ND
N-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
N-Propylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
O-Xylene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Styrene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
T-Butyl Alcohol	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
T-Butylbenzene	NA	5	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)			ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC72263-003	AC84603-005	AC91349-001	AC98051-001	460-157702-2	460-183874-4	08010442-05	AC51902-003	AC58765-004	AC65207-001	AC72263-004	08010442-04	AC51902-004	AC58765-001	AC65207-002	AC72263-012
DATE COLLECTED:			5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013
Base Neutral Organics																		
1,2,4-Trichlorobenzene	5	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
1,2-Diphenylhydrazine	NA	ND	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
2,4,5-Trichlorophenol	1	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
2,4-Dichlorophenol	1	1	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
2,4-Dimethylphenol	NA	50	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
2,4-Dinitrophenol	5	10	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.7	ND	ND	ND
2-Methylphenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
3&4-Methylphenol	50	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA
Acenaphthene	20	20	ND	ND	ND	ND	ND	ND	ND	7.7	ND	ND	4.2	ND	**83**	**68**	**65**	**47**
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**55**	ND	ND	ND	ND
Aniline	5	5	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Anthracene	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8	5.7	6.4	2.8	5.5
Benzidine	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	**2.6**	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	**2.2**	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	NA	NA	ND	ND	ND	NA	NA

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC72263-003	AC84603-005	AC91349-001	AC98051-001	460-157702-2	460-183874-4	08010442-05	AC51902-003	AC58765-004	AC65207-001	AC72263-004	08010442-04	AC51902-004	AC58765-001	AC65207-002	AC72263-012
DATE COLLECTED:			5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	**3.5**	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**12**	**11**	**6.4**	**9.8**
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	ND	ND	ND	ND	ND	ND	4	6.2	ND	ND	ND	5	5	5.6	5.9	5.1
Fluorene	50	50	ND	ND	ND	ND	ND	ND	ND	3.1	ND	ND	ND	28	30	24	10	19
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7	ND	ND	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Phenanthrene	50	50	ND	ND	ND	ND	ND	ND	ND	3.2	ND	ND	ND	33	36	31	ND	ND
Phenol	1	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**27**
Pyrene	50	50	ND	ND	ND	ND	ND	ND	5	7.8	ND	ND	ND	4	4	4.7	4.5	4

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-6B	MW-7	MW-7	MW-7	MW-7	MW-7	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC72263-003	AC84603-005	AC91349-001	AC98051-001	460-157702-2	460-183874-4	08010442-05	AC51902-003	AC58765-004	AC65207-001	AC72263-004	08010442-04	AC51902-004	AC58765-001	AC65207-002	AC72263-012
DATE COLLECTED:			5/7/2013	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013	1/15/2008	5/24/2010	4/29/2011	4/9/2012	5/7/2013
Metals																		
Mercury	NA	0.7	ND	ND	NA	NA	NA	NA	NA	0.44	ND	ND	ND	NA	ND	ND	ND	ND
Aluminum			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Antimony			ND	**3.6**	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Arsenic			ND	5.7	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Barium	NA	1000	240	150	NA	NA	NA	NA	NA	280	180	130	150	NA	210	220	200	210
Beryllium			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Cadmium			ND	3.6	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Calcium			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Chromium	NA	50	ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Cobalt			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Copper	NA	200	ND	ND	NA	NA	NA	NA	NA	78	ND	ND	ND	NA	ND	ND	ND	ND
Iron			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Lead	NA	25	20	11	NA	NA	NA	NA	**271**	**610**	5.9	5.1	4.9	0.107	ND	5.4	7.9	7.3
TCLP Lead			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Magnesium			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Manganese			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Nickel			ND	ND	NA	NA	NA	NA	NA	20	ND	ND	ND	NA	ND	ND	ND	ND
Potassium			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Selenium			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Silver			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Sodium			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Thallium			ND	ND	NA	NA	NA	NA	NA	ND	ND	ND	ND	NA	ND	ND	ND	ND
Vanadium			NA	NA	NA	NA	NA	NA	NA	NA	ND	NA	NA	NA	NA	ND	NA	NA
Zinc			ND	ND	NA	NA	NA	NA	NA	360	ND	ND	ND	NA	ND	ND	ND	ND
PCBS																		
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters																		
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC78754-002	AC84603-006	AC91349-003	AC98051-003	460-157702-1	460-183874-5	460-212426-2	1061422-02	2060575-03
DATE COLLECTED:			5/19/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	6/30/2020	6/28/2021	6/10/2022
Volatile Organics											
1,1,1-Trichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2,2-Tetrachloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1,2-trichloro-1,2,2-trifluoroethane	5	5	ND	ND	ND	ND	ND	NA	NA	NA	ND
1,1,2-Trichloroethane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethane	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,1-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3-Trichloropropane	5	0.04	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,2,4-Trimethylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND
1,2-Dichlorobenzene	4.7	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloroethane	5	0.6	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2-Dichloropropane	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,3,5-Trimethylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,3-Dichlorobenzene	5	3	ND	ND	ND	ND	0.94	ND	ND	ND	ND
1,3-Dichloropropane	5	5	ND	ND	ND	ND	ND	NA	NA	NA	NA
1,4-Dichlorobenzene	5	3	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,4-Dioxane	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
2-Butanone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	8.43
2-Chloroethylvinylether	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
2-Hexanone	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Isopropyltoluene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	NA
4-Methyl-2-Pentanone	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	50	NA	ND	ND	ND	ND	ND	ND	6.1	ND	ND
Acrolein	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
Acrylonitrile	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
Benzene	0.7	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromodichloromethane	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromoform	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bromomethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon disulfide	50	60	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbon tetrachloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chlorobenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroethane	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	7	7	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloromethane	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,2-Dichloroethene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cis-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	50	50	ND	ND	ND	ND	ND	ND	ND	NA	NA
Dichlorodifluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Ethylbenzene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isopropylbenzene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
M&p-Xylenes	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methylene chloride	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Methyl-t-butyl ether	NA	10	ND	0.77	ND	ND	0.71	0.97	0.73	0.598	ND
N-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	NA	NA
N-Propylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	NA	NA
O-Xylene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Sec-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	NA	NA
Styrene	NA	5	ND	ND	ND	ND	ND	NA	NA	ND	ND
T-Butyl Alcohol	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND
T-Butylbenzene	NA	5	ND	ND	ND	ND	ND	NA	NA	NA	NA
Tetrachloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Toluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,2-Dichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trans-1,3-Dichloropropene	NA	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichloroethene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Trichlorofluoromethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vinyl chloride	2	2	ND	ND	ND	ND	ND	ND	ND	ND	ND
Xylenes (Total)			ND	ND	ND	ND	ND	ND	ND	ND	ND

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC78754-002	AC84603-006	AC91349-003	AC98051-003	460-157702-1	460-183874-5	460-212426-2	1061422-02	2060575-03
DATE COLLECTED:			5/19/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	6/30/2020	6/28/2021	6/10/2022
Base Neutral Organics											
1,2,4-Trichlorobenzene	5	5	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,2-Diphenylhydrazine	NA	ND	ND	ND	ND	ND	ND	NA	NA	NA	NA
2,4,5-Trichlorophenol	1	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2,4,6-Trichlorophenol	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	0.541
2,4-Dichlorophenol	1	1	NA	NA	NA	NA	NA	ND	ND	ND	ND
2,4-Dimethylphenol	NA	50	NA	NA	NA	NA	NA	ND	ND	ND	ND
2,4-Dinitrophenol	5	10	NA	NA	NA	NA	NA	ND	ND	ND	ND
2,4-Dinitrotoluene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2,6-Dinitrotoluene	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chloronaphthalene	NA	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Chlorophenol	50	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2-Methylnaphthalene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Methylphenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
2-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Nitrophenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
3&4-Methylphenol	50	NA	NA	NA	NA	NA	NA	NA	NA	ND	ND
3,3'-Dichlorobenzidine	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
3-Nitroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4,6-Dinitro-2-methylphenol	NA	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
4-Bromophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chloro-3-methylphenol	5	NA	NA	NA	NA	NA	NA	ND	ND	ND	ND
4-Chloroaniline	5	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Chlorophenyl-phenylether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitroaniline	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
4-Nitrophenol	5	NA	NA	NA	NA	NA	ND	ND	ND	ND	ND
Acenaphthene	20	20	**41**	**59**	**22**	**49**	19	**39**	**38**	**35.2**	**45.9**
Acenaphthylene	20	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aniline	5	5	ND	ND	ND	ND	ND	NA	NA	NA	NA
Anthracene	50	50	6.8	6.1	2.1	6.7	ND	4.5	4.6	6.39	6.13
Benzidine	NA	NA	ND	ND	ND	ND	ND	ND	ND	NA	NA
Benzo[a]anthracene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	**0.156**	**0.176**
Benzo[a]pyrene	0.002	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[b]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	**0.0246**	ND
Benzo[g,h,i]perylene	5	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzo[k]fluoranthene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Benzoic acid	50	NA	NA	NA	NA	NA	NA	ND	ND	NA	NA

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC78754-002	AC84603-006	AC91349-003	AC98051-003	460-157702-1	460-183874-5	460-212426-2	1061422-02	2060575-03
DATE COLLECTED:			5/19/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	6/30/2020	6/28/2021	6/10/2022
Bis(2-Chloroethoxy)methane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroethyl)Ether	NA	1	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Chloroisopropyl)ether	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Bis(2-Ethylhexyl)phthalate	50	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Butylbenzylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Carbazole	NA	NA	ND	ND	ND	ND	ND	NA	NA	ND	ND
Chrysene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzo[a,h]Anthracene	50	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibenzofuran	5	NA	**9.6**	**12**	4.3	**11**	1.3	**7.6**	**7.3**	**8.53**	**8.9**
Diethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dimethylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Di-n-butylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
DI-n-octylphthalate	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoranthene	50	50	6	4.8	ND	5.3	2.9	4	5	5.9	5.58
Fluorene	50	50	19	23	8.5	21	ND	ND	15	18.3	19.7
Hexachlorobenzene	0.35	0.04	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorobutadiene	NA	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachlorocyclopentadiene	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Hexachloroethane	NA	5	ND	ND	ND	ND	ND	ND	ND	ND	ND
Indeno[1,2,3-cd]pyrene	0.002	0.002	ND	ND	ND	ND	ND	ND	ND	ND	ND
Isophorone	50	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Naphthalene	10	10	ND	ND	ND	ND	ND	ND	ND	ND	ND
Nitrobenzene	5	0.4	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodimethylamine	NA	NA	ND	ND	ND	ND	ND	NA	NA	NA	NA
N-Nitroso-Di-N-Propylamine	NA	NA	ND	ND	ND	ND	ND	ND	ND	ND	ND
N-Nitrosodiphenylamine	NA	50	ND	ND	ND	ND	ND	ND	ND	ND	ND
Pentachlorophenol	1	1	ND	NA	NA	NA	NA	ND	ND	ND	0.373
Phenanthrene	50	50	35	31	12	24	ND	ND	20	30.8	25.6
Phenol	1	1	ND	NA	NA	NA	NA	ND	ND	ND	ND
Pyrene	50	50	4	4.1	ND	4.1	2.3	1.6	4	4.37	4.46

TABLE 1.1 - GROUNDWATER ANALYTICAL RESULTS SUMMARY TABLE
HARBOR SQUARE
VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT #7173

SAMPLE ID:	NY_Water_TAGM Criteria (ug/L)	NY_TOGS_Water Criteria (ug/L)	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A	MW-7A
LAB ID:			AC78754-002	AC84603-006	AC91349-003	AC98051-003	460-157702-1	460-183874-5	460-212426-2	1061422-02	2060575-03
DATE COLLECTED:			5/19/2014	4/28/2015	5/13/2016	5/23/2017	6/5/2018	6/6/2019	6/30/2020	6/28/2021	6/10/2022
Metals											
Mercury	NA	0.7	ND	ND	NA	NA	NA	NA	NA	NA	NA
Aluminum			NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony			ND	ND	NA	NA	NA	NA	NA	NA	NA
Arsenic			ND	ND	NA	NA	NA	NA	NA	NA	NA
Barium	NA	1000	220	150	NA	NA	NA	NA	NA	NA	NA
Beryllium			ND	ND	NA	NA	NA	NA	NA	NA	NA
Cadmium			ND	ND	NA	NA	NA	NA	NA	NA	NA
Calcium			NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	NA	50	ND	ND	NA	NA	NA	NA	NA	NA	NA
Cobalt			NA	NA	NA	NA	NA	NA	NA	NA	NA
Copper	NA	200	ND	ND	NA	NA	NA	NA	NA	NA	NA
Iron			NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	NA	25	ND	ND	NA	NA	NA	NA	NA	NA	NA
TCLP Lead			NA	NA	NA	NA	NA	NA	NA	NA	NA
Magnesium			NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese			NA	NA	NA	NA	NA	NA	NA	NA	NA
Nickel			ND	ND	NA	NA	NA	NA	NA	NA	NA
Potassium			NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium			ND	ND	NA	NA	NA	NA	NA	NA	NA
Silver			ND	ND	NA	NA	NA	NA	NA	NA	NA
Sodium			NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium			ND	ND	NA	NA	NA	NA	NA	NA	NA
Vanadium			NA	NA	NA	NA	NA	NA	NA	NA	NA
Zinc			ND	ND	NA	NA	NA	NA	NA	NA	NA
PCBS											
Aroclor-1016			NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1221			NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1232			NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1242			NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1248			NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1254			NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1260			NA	NA	NA	NA	NA	NA	NA	NA	NA
Aroclor-1262			NA	NA	NA	NA	NA	NA	NA	NA	NA
Aldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA
Alpha-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA
beta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA
Chlordane			NA	NA	NA	NA	NA	NA	NA	NA	NA
delta-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA
Dieldrin			NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan I			NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan II			NA	NA	NA	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate			NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin			NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Aldehyde			NA	NA	NA	NA	NA	NA	NA	NA	NA
Endrin Ketone			NA	NA	NA	NA	NA	NA	NA	NA	NA
Gamma-BHC			NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor			NA	NA	NA	NA	NA	NA	NA	NA	NA
Heptachlor Epoxide			NA	NA	NA	NA	NA	NA	NA	NA	NA
Methoxychlor			NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDD			NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDE			NA	NA	NA	NA	NA	NA	NA	NA	NA
p,p'-DDT			NA	NA	NA	NA	NA	NA	NA	NA	NA
Toxaphene			NA	NA	NA	NA	NA	NA	NA	NA	NA
Other Parameters											
% Solids			NA	NA	NA	NA	NA	NA	NA	NA	NA
Cyanide			NA	NA	NA	NA	NA	NA	NA	NA	NA
Cr (Hexavalent)			NA	NA	NA	NA	NA	NA	NA	NA	NA

TABLE 1.2 - SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Well ID #	Date Installed	Depth to Top of Screen (ft.)	PVC Elevation above MSL (ft.)	Date Measured	Total Depth (ft.) bgs	Depth to Product (DNAPL) (ft.)	Depth to Groundwater (ft.)	Product Thickness (ft.)	Corrected Depth to Groundwater (ft.)	Ground Water Elevation above MSL (ft.)	Geochemical Parameters							
											pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (°C)	Salinity (%)	Redox Potential (mV)	PID (ppm)
MW-1	12/21/06	5	11.48	11/26/07	13.38	NA	9.42	NA	NA	2.06	7.39	2.39	-0.6	2.60	15.82	1.95	NM	NM
MW-1A	12/22/06	20	11.16	11/26/07	33.16	NM	8.50	NM	NM	2.66	7.58	5.209	97.5	5.61	14.79	3.57	NM	NM
MW-2	12/27/06	5	10.37	11/26/07	13.27	NA	8.10	NA	NA	2.27	7.25	1.968	109.2	3.51	15.10	1.25	NM	NM
MW-2	12/27/06	5	10.37	10/21/08	13.27	NA	7.62	NA	NA	2.75	7.09	2.17	35.5	1.05	18.51	NM	-176.10	0
MW-2	12/27/06	5	10.37	11/20/08	13.27	NA	7.83	NA	NA	2.54	NM	NM	NM	NM	NM	NM	NM	NM
MW-2	12/27/06	5	10.37	5/25/10	13.27	NA	7.82	NA	NA	2.55	7.25	3.72	576	NM	13.24	NM	-164.00	0
MW-2	12/27/06	5	10.37	4/29/11	13.27	NA	7.24	NA	NA	3.13	7.15	3.76	11.1	1.17	10.78	NM	-169.00	0.2
MW-2	12/27/06	5	10.37	4/9/12	14.45	NA	7.20	NA	NA	3.17	7.44	1.86	63.5	8.53	14.12	NM	-92.00	0
MW-2	12/27/06	5	10.37	5/7/13	14.45	NA	7.85	NA	NA	2.52	7.30	2.27	9.5	4.65	13.31	NM	-161.00	0
MW-2	12/27/06	5	10.37	5/20/14	14.44	NA	7.24	NA	NA	3.13	7.80	2.51	2.4	1.26	13.40	NM	-161.00	0
MW-2	12/27/06	5	10.37	4/28/15	14.55	NA	7.67	NA	NA	2.70	6.98	2.80	0.0	0.0	11.60	NM	-188.00	0
MW-2	12/27/06	3.23	8.60	5/13/16	NA	NA	NA	NA	NA	NA	7.62	1.38	8.3	0.81	12.60	NM	-190.80	32.0
MW-2	12/27/06	3.23	8.60	5/23/17	NA	NA	NA	NA	NA	NA	7.32	2.15	8.5	1.33	13.60	NM	-145.90	0.0
MW-2	12/27/06	3.23	8.60	6/5/18	NA	NA	NA	NA	NA	NA	7.19	2.56	4.6	0.56	14.57	NM	-135.30	0.0
MW-2	12/27/06	3.23	8.60	6/6/19	NA	NA	NA	NA	NA	NA	7.55	1.59	49.2	0.00	17.01	NM	-173.00	0.0
MW-2A	12/27/06	15	10.16	11/26/07	35	NA	7.58	NA	NA	2.58	7.64	4.29	43.8	3.38	15.49	2.84	NM	NM
MW-2A	12/27/06	15	10.16	10/21/08	35	NA	7.30	NA	NA	2.86	7.65	2.69	38.5	4.71	17.15	NM	-47.90	0
MW-2A	12/27/06	15	10.16	11/20/08	35	NA	7.50	NA	NA	2.66	NM	NM	NM	NM	NM	NM	NM	NM
MW-2A	12/27/06	15	10.16	5/25/10	35	NA	7.42	NA	NA	2.74	7.33	5.03	470	NM	16.49	NM	-141.00	0
MW-2A	12/27/06	15	10.16	4/29/11	35	NA	7.25	NA	NA	2.91	7.44	4.87	21.2	2.50	19.22	NM	83.00	0
MW-2A	12/27/06	15	10.16	4/9/12	28.5	NA	6.66	NA	NA	3.50	7.39	5.05	42	27.55	8.46	NM	-260.00	0
MW-2A	12/27/06	15	10.16	5/7/13	28.8	NA	6.80	NA	NA	3.36	7.46	4.51	13.1	1.89	22.66	NM	-61.00	0
MW-2A	12/27/06	15	10.16	5/20/14	28.56	NA	6.89	NA	NA	3.27	7.04	4.98	2.8	4.50	16.21	NM	-128.00	0
MW-2A	12/27/06	15	10.16	4/28/15	29.15	NA	6.71	NA	NA	3.45	6.97	5.01	0.0	0.0	13.76	NM	-119.00	0
MW-2A	12/27/06	13.54	8.70	5/13/16	26.95	NA	5.21	NA	NA	3.49	7.31	5.28	56.5	0.68	14.10	NM	-149.90	0.8
MW-2A	12/27/06	13.54	8.70	5/23/17	26.95	NA	10.00	NA	NA	-1.30	7.20	5.00	455.9	1.18	15.40	NM	-123.00	0
MW-2A	12/27/06	13.54	8.70	6/5/18	26.95	NA	5.14	NA	NA	3.56	7.26	4.83	35.2	0.53	14.88	NM	-101.80	0
MW-2A	12/27/06	13.54	8.70	6/6/19	26.95	NA	4.49	NA	NA	4.21	7.40	4.62	35.2	0.00	17.20	NM	-133.00	0
MW-2A	12/27/06	13.54	8.70	6/30/20	28.00	NA	6.35	NA	NA	2.35	7.47	4.78	8.5	1.71	19.60	NM	-149.00	0
MW-2A	12/27/06	13.54	8.70	6/28/21	28.00	NA	5.40	NA	NA	3.30	7.56	4.45	34.1	0.00	19.61	NM	-98.00	0
MW-2A	12/27/06	13.54	8.70	6/10/22	25.26	NA	5.07	NA	NA	3.63	7.50	5.58	6.5	0.00	17.46	NM	12.00	2
MW-4	12/28/06	7	11.15	11/26/07	12	NA	6.00	NA	NA	5.15	7.67	1.748	40.9	5.98	15.95	1.08	NM	NM
MW-4	12/28/06	7	11.15	10/21/08	12	NA	5.45	NA	NA	5.70	7.25	3.3	683.3	0.10	18.55	NM	689.00	0
MW-4	12/28/06	7	11.15	11/20/08	12	NA	5.63	NA	NA	5.52	NM	NM	NM	NM	NM	NM	NM	NM

TABLE 1.2 - SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Well ID #	Date Installed	Depth to Top of Screen (ft.)	PVC Elevation above MSL (ft.)	Date Measured	Total Depth (ft.) bgs	Depth to Product (DNAPL) (ft.)	Depth to Groundwater (ft.)	Product Thickness (ft.)	Corrected Depth to Groundwater (ft.)	Ground Water Elevation above MSL (ft.)	Geochemical Parameters							
											pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (°C)	Salinity (%)	Redox Potential (mV)	PID (ppm)
MW-4	12/28/06	7	11.15	5/25/10	12	NA	5.70	NA	NA	5.45	7.71	2.47	430	8.97	18.40	NM	-124.00	0
MW-4	12/28/06	7	11.15	4/9/12	13.41	NA	8.60	NA	NA	2.55	7.52	1.46	47.7	2.40	17.83	NM	-141.00	0.3
MW-4	12/28/06	7	11.15	5/7/13	13.43	NA	6.27	NA	NA	4.88	7.47	1.33	16.1	2.75	18.28	NM	-158.00	0.1
MW-4	12/28/06	7	11.15	5/20/14	13.43	NA	6.35	NA	NA	4.80	7.40	1.62	12.3	1.87	20.56	NM	-164.00	NM
MW-4	12/28/06	7	11.15	4/28/15	33.11	NA	9.76	NA	NA	1.39	7.10	2.27	43.5	0.00	13.81	NM	-62.00	0
MW-4	12/28/06	7.15	11.30	5/13/16	29.89	NA	6.49	NA	NA	4.81	7.16	3.21	45.9	0.85	15.80	NM	36.10	1.3
MW-4A	12/20/07	18	9.45	1/15/08	28	NA	6.42	NA	NA	3.03	7.35	1.59	1.43	7.75	11.22	1.13	NM	NM
MW-4A	12/20/07	18	9.45	10/21/08	28	NA	6.76	NA	NA	2.69	6.99	2.981	153	0.41	15.65	NM	-107.20	0
MW-4A	12/20/07	18	9.45	11/20/08	28	NA	6.92	NA	NA	2.53	NM	NM	NM	NM	NM	NM	NM	NM
MW-4A	12/20/07	18	9.45	5/25/10	28	NA	7.11	NA	NA	2.34	7.15	1.91	630	NM	16.60	NM	-114.00	0
MW-4A	12/20/07	18	9.45	4/29/11	28	NA	7.12	NA	NA	2.33	7.11	1.64	80	0.69	13.82	NM	-37.00	0
MW-4A	12/20/07	18	9.45	4/9/12	30.3	NA	6.56	NA	NA	2.89	6.99	1.65	117	5.69	15.95	NM	38.00	0
MW-4A	12/20/07	18	9.45	5/7/13	30.2	NA	7.45	NA	NA	2.00	7.13	1.76	25.00	19.78	19.78	NM	-54.00	0.1
MW-4A	12/20/07	18	9.45	5/20/14	30.26	NA	6.48	NA	NA	2.97	7.45	1.35	24.50	3.57	16.73	NM	-134.00	0
MW-5	12/28/06	7	8.96	11/26/07	15.06	NA	7.25	NA	NA	1.71	7.03	1.036	123	3.78	15.74	0.63	NM	NM
MW-6A	12/20/07	5	8.91	1/15/08	15	NA	6.40	NA	NA	2.51	6.75	5.3	4.75	9.24	10.30	4.04	NM	NM
MW-6A	12/20/07	5	8.91	10/21/08	15	NA	6.34	NA	NA	2.57	6.59	4.548	83.7	0.77	18.09	NM	-69.30	0
MW-6A	12/20/07	5	8.91	11/20/08	15	NA	6.63	NA	NA	2.28	NM	NM	NM	NM	NM	NM	NM	NM
MW-6A	12/20/07	5	8.91	5/24/10	15	NA	6.82	NA	NA	2.09	6.83	4.55	370	NM	16.23	NM	-136.00	0
MW-6A	12/20/07	5	8.91	4/29/11	15	NA	6.32	NA	NA	2.59	6.67	6.43	15.7	0.71	14.08	NM	-113.00	0
MW-6A	12/20/07	5	8.91	4/9/12	17.86	NA	6.72	NA	NA	2.19	6.75	8.89	46.3	1.89	14.69	NM	-116.00	0
MW-6A	12/20/07	5	8.91	5/7/13	17.8	NA	6.92	NA	NA	1.99	6.92	2.24	21.5	2.53	22.36	NM	-92.00	0
MW-6A	12/20/07	5	8.91	5/19/14	17.78	NA	6.77	NA	NA	2.14	7.30	1.22	52.5	3.84	16.00	NM	40.00	0
MW-6A	12/20/07	5	8.91	4/28/15	20.71	NA	10.23	NA	NA	-1.32	7.88	1.49	5.1	0.00	11.20	NM	-62.00	6.2
MW-6A	12/20/07	5.15	9.06	5/13/16	13.51	NA	6.24	NA	NA	2.82	7.58	0.714	8.4	0.76	12.50	NM	-128.50	0
MW-6A	12/20/07	5.15	9.06	5/23/17	13.51	NA	7.19	NA	NA	1.87	6.12	1.000	72.7	7.16	21.90	NM	-24.40	0
MW-6A	12/20/07	5.15	9.06	6/5/18	13.51	NA	6.07	NA	NA	2.99	6.36	1.186	16.6	0.79	14.35	NM	-57.20	0
MW-6A	12/20/07	5.15	9.06	6/6/19	13.51	NA	7.93	NA	NA	1.13	6.71	1.750	20.5	0.00	19.24	NM	-112.00	0
MW-6B	12/20/07	14	9.72	1/15/08	24	NA	7.08	NA	NA	2.64	7.35	2.63	2.4	9.24	9.38	1.98	NM	NM
MW-6B	12/20/07	14	9.72	10/21/08	24	NA	7.11	NA	NA	2.61	6.75	4.42	100.5	0.03	17.56	NM	-119.90	0
MW-6B	12/20/07	14	9.72	11/20/08	24	NA	7.50	NA	NA	2.22	NM	NM	NM	NM	NM	NM	NM	NM
MW-6B	12/20/07	14	9.72	5/24/10	24	NA	7.48	NA	NA	2.24	7.00	2.01	112	NM	14.66	NM	-139.00	0

TABLE 1.2 - SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Well ID #	Date Installed	Depth to Top of Screen (ft.)	PVC Elevation above MSL (ft.)	Date Measured	Total Depth (ft.) bgs	Depth to Product (DNAPL) (ft.)	Depth to Groundwater (ft.)	Product Thickness (ft.)	Corrected Depth to Groundwater (ft.)	Ground Water Elevation above MSL (ft.)	Geochemical Parameters							
											pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (°C)	Salinity (%)	Redox Potential (mV)	PID (ppm)
MW-6B	12/20/07	14	9.72	4/29/11	24	NA	6.82	NA	NA	2.90	6.91	1.09	56.1	0.60	12.54	NM	-96.00	0
MW-6B	12/20/07	14	9.72	4/9/12	26.55	NA	6.40	NA	NA	3.32	6.88	1.84	1000F	8.62	15.70	NM	-87.00	0.1
MW-6B	12/20/07	14	9.72	5/7/13	26.29	NA	6.92	NA	NA	2.80	6.65	5.51	41	0.69	18.72	NM	-116.00	0.2
MW-6B	12/20/07	14	9.72	5/19/14	26.21	NA	6.21	NA	NA	3.51	7.46	5.72	43.3	3.78	14.68	NM	-145.00	0
MW-6B	12/20/07	14	9.72	4/28/15	27.36	NA	9.07	NA	NA	0.65	6.59	4.24	32.9	0.00	13.23	NM	-112.00	0
MW-6B	12/20/07	13	8.72	5/13/16	22.05	NA	6.46	NA	NA	2.26	6.83	3.11	28.7	0.69	13.00	NM	-140.90	0
MW-6B	12/20/07	13	8.72	5/23/17	22.05	NA	6.35	NA	NA	2.37	7.14	1.00	11.2	1.57	12.33	NM	-95.40	0
MW-6B	12/20/07	13	8.72	6/5/18	22.05	NA	5.97	NA	NA	2.75	7.11	1.08	5.1	0.44	13.19	NM	-111.80	0
MW-6B	12/20/07	13	8.72	6/6/19	22.05	NA	6.35	NA	NA	2.37	7.32	0.74	24.8	0.00	16.07	NM	-118.00	0
MW-7	12/29/06	7	10.95	1/15/07	15	NA	8.67	NA	NA	2.28	7.11	0.65	0.586	8.10	10.49	0.45	NM	NM
MW-7	12/29/06	7	10.95	10/21/08	15	NA	8.67	NA	NA	2.28	6.68	1.119	383.1	0.00	18.98	NM	-121.20	0
MW-7	12/29/06	7	10.95	11/20/08	15	NA	9.13	NA	NA	1.82	NM	NM	NM	NM	NM	NM	NM	NM
MW-7	12/29/06	7	10.95	5/24/10	15	NA	8.55	NA	NA	2.40	6.90	1.12	633	NM	12.11	NM	-174.00	0
MW-7	12/29/06	7	10.95	4/29/11	15	NA	5.74	NA	NA	5.21	7.01	0.79	95.1	3.91	13.37	NM	24.00	0
MW-7	12/29/06	7	10.95	4/9/12	14.86	NA	8.15	NA	NA	2.80	6.78	0.88	5.2	2.86	11.79	NM	-69.00	0
MW-7	12/29/06	7	10.95	5/7/13	14.78	NA	8.55	NA	NA	2.40	6.73	1.38	6.6	3.65	12.93	NM	-123.00	0.1
MW-7	12/29/06	7	10.95	5/19/14	14.82	NA	8.57	NA	NA	2.38	8.72	1.17	37.6	7.45	13.53	NM	26.00	0
MW-7	12/29/06	7	10.95	5/23/17	14.82	NA	9.50	NA	NA	1.45	6.77	8.38	7.5	0.33	13.54	NM	-102.30	0
MW-7A	12/20/07	19	11.24	1/15/08	29	NA	9.00	NA	NA	2.24	6.61	3.63	3.19	7.02	11.20	2.64	NM	NM
MW-7A	12/20/07	19	11.24	10/21/08	29	NA	9.02	NA	NA	2.22	6.80	8.997	71.5	0.37	15.09	NM	-135.10	0
MW-7A	12/20/07	19	11.24	11/20/08	29	NA	9.39	NA	NA	1.85	NM	NM	NM	NM	NM	NM	NM	NM
MW-7A	12/20/07	19	11.24	5/24/10	29	NA	8.09	NA	NA	3.15	6.77	4.68	285	NM	13.29	NM	-139.00	0
MW-7A	12/20/07	19	11.24	4/29/11	29	NA	8.74	NA	NA	2.50	6.87	9.21	52.7	1.04	12.79	NM	-128.00	0.1
MW-7A	12/20/07	19	11.24	4/9/12	30.57	NA	8.60	NA	NA	2.64	6.96	10.10	94.2	2.31	12.55	NM	-138.00	0
MW-7A	12/20/07	19	11.24	5/7/13	34.46	NA	8.77	NA	NA	2.47	7.11	9.92	43.1	0.56	18.25	NM	-162.00	0.1
MW-7A	12/20/07	19	11.24	5/19/14	30.45	NA	9.22	NA	NA	2.02	6.67	9.08	1.0	3.11	17.35	NM	-143.00	0
MW-7A	12/20/07	19	11.24	4/28/15	33.09	NA	11.55	NA	NA	-0.31	6.44	7.71	0.0	0.00	13.29	NM	-118.00	0
MW-7A	12/20/07	19.64	11.88	5/13/16	32.28	NA	9.63	NA	NA	2.25	6.94	10.22	12.8	0.69	13.10	NM	-135.30	0
MW-7A	12/20/07	19.64	11.88	6/5/18	32.28	NA	8.88	NA	NA	3.00	6.75	8.22	36.7	0.91	14.07	NM	-90.20	0
MW-7A	12/20/07	19.64	11.88	6/6/19	32.28	NA	9.40	NA	NA	2.48	6.79	0.76	21.0	0.00	17.18	NM	-100.00	0
MW-7A	12/20/07	19.64	11.88	6/30/20	32.00	NA	9.28	NA	NA	2.60	6.93	7.88	14.9	0.00	16.65	NM	-133.00	0
MW-7A	12/20/07	19.64	11.88	6/28/21	32.00	NA	9.85	NA	NA	2.03	7.04	7.71	26.7	0.00	16.41	NM	-91.00	0
MW-7A	12/20/07	19.64	11.88	6/10/22	31.95	NA	9.33	NA	NA	2.55	6.98	8.62	19.2	0.00	19.15	NM	28.00	0
MW-9	01/04/07	15	9.22	11/26/07	28.75	NA	7.00	NA	NA	2.22	7.15	8.56	44.4	3.43	14.57	6.08	NM	NM

TABLE 1.2 - SUMMARY OF GROUNDWATER GEOCHEMICAL PARAMETERS
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

Well ID #	Date Installed	Depth to Top of Screen (ft.)	PVC Elevation above MSL (ft.)	Date Measured	Total Depth (ft.) bgs	Depth to Product (DNAPL) (ft.)	Depth to Groundwater (ft.)	Product Thickness (ft.)	Corrected Depth to Groundwater (ft.)	Ground Water Elevation above MSL (ft.)	Geochemical Parameters							
											pH	Specific Conductivity (mS/cm)	Turbidity (NTU)	Dissolved Oxygen (mg/l)	Temp. (°C)	Salinity (%)	Redox Potential (mV)	PID (ppm)

Legend:

* : Corrected depth to ground water = DTW - (t_p * ρ_r)
^{o}C: Degrees Celcius
DTP: Depth to product
DTW: Depth to water
EM: Equipment Malfunction
mV: Milli volts
NA: Not available / applicable
NM: Not measured
NTU: Nephelometric Turbidity Units
ppm: Parts per million
ρ_r: Product Relative Density:
t_p: Product Thickness
mg/L: Milli grams per liter
ms/cm: Milli Siemens per centimeter (mhos/cm)
MSL: Mean sea level

Notes:

Monitoring wells MW-1, MW-1A, MW-3, MW-5, MW-6, MW-8 and MW-9, installed by S&W Redevelopment of North America, LLC, of Syracuse, NY, were either lost to construction activities or were abandoned on 12/12/2007.

TABLE 2.1 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
METALS	Aluminum	7429-90-5	SB*
	Antimony	7440-36-0	SB*
	Arsenic	7440-38-2	16
	Barium	7440-39-3	400
	Beryllium	7440-41-7	47^
	Cadmium	7440-43-9	7.5^
	Calcium	7440-70-2	SB*
	trivalent Chromium	7440-47-3	1500
	hexavalent Chromium	18540-29-9	19^
	Cobalt	7440-48-4	30 or SB*
	Copper	7440-50-8	270
	Iron	7439-89-6	2000 or SB*
	Lead	7439-92-1	450^
	Magnesium	7439-95-4	SB*
	Manganese	7439-96-5	2000^
	Mercury	7439-97-6	0.73^
	Nickel	7440-02-0	130^
	Potassium	9/7/7440	SB*
	Selenium	7782-49-2	4^
	Silver	7440-22-4	8.3^
	Sodium	7440-23-5	SB*
	Thallium	7440-28-0	SB*
	Vanadium	7440-62-2	150 or SB*
	Zinc	7440-66-6	2480^
SVCOs	1-Chloropropane	540-54-5	-
	1,2,4-Trichlorobenzene	120-82-1	3.4*
	2,4,5-Trichlorophenol	95-95-4	0.1*
	2,4,6-Trichlorophenol	88-06-2	-
	2,4-Dichlorophenol	120-83-2	0.4*
	2,4-Dimethylphenol	105-67-9	-
	2,4-Dinitrophenol	51-28-5	0.200 (M)*
	2,4-Dinitrotoluene	121-14-2	-
	2,6-Dinitrotoluene	606-20-2	1*
	2-Chloronaphthalene	91-58-7	-
	2-Chlorophenol	95-57-8	0.8*
	2-Methylnaphthalene	91-57-6	36.4*
	2-Methylphenol	95-48-7	0.33^
	2-Nitroaniline	88-74-4	0.430 (M)*
	2-Nitrophenol	88-75-5	0.330 (M)*
	3&4-Methylphenol	106-44-5	0.33^
	3,3'-Dichlorobenzidine	91-94-1	-
	3-Nitroaniline	99-09-2	0.500 (M)*
	4,6-Dinitro-2-methylphenol	534-52-1	-

TABLE 2.1 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
	4-Bromophenyl-phenylether	101-55-3	-
SVCOs	4-Chloro-3-methylphenol	59-50-7	0.240 (M)*
	4-Chloroaniline	106-47-8	0.220 (M)*
	4-Chlorophenyl-phenylether	7005-72-3	-
	4-Nitroaniline	100-01-6	-
	4-Nitrophenol	100-02-7	0.100 (M)*
	Acenaphthene	83-32-9	98^
	Acenaphthylene	208-96-8	107^
	Aniline	62-53-3	0.1*
	Anthracene	120-12-7	500
	Benzo[a]Anthracene	56-55-3	1^
	Benzo[a]Pyrene	50-32-8	1
	Benzo[b]Fluoranthene	205-99-2	1.7^
	Benzo[g,h,i]Perylene	191-24-2	500
	Benzo[k]Fluoranthene	207-08-9	1.7^
	Benzoic acid	65-85-0	2.7*
	bis(2-Chloroethoxy)methane	111-91-1	-
	bis(2-Chloroethyl)ether	111-44-4	-
	bis(2-Ethylhexyl)phthalate	117-81-7	50*
	Butylbenzylphthalate	85-68-7	50*
	Carbazole	86-74-8	-
	Caprolactam	105-60-2	-
	Chrysene	218-01-9	1^
	Dibenzo[a,h]Anthracene	53-70-3	0.56
	Dibenzofuran	132-64-9	210^
	Diethylphthalate	84-66-2	7.1*
	Dimethylphthalate	131-11-3	2*
	Di-n-Butylphthalate	84-74-2	8.1*
	Di-n-octylphthalate	117-84-0	50*
	Fluoranthene	206-44-0	500
	Fluorene	86-73-7	386^
	Hexachlorobenzene	118-74-1	3.2^
	Hexachlorobutadiene	87-68-3	-
	Hexachlorocyclopentadiene	77-47-4	-
	Hexachloroethane	67-72-1	-
	Indeno[1,2,3-cd]Pyrene	193-39-5	5.6
	Isophorone	78-59-1	4.4*
	Naphthalene	91-20-3	12^
	Nitrobenzene	98-95-3	0.200 (M)*
	N-Nitroso-Di-n-propylamine	621-64-7	-
	N-Nitrosodiphenylamine	86-30-6	-
	Pentachlorophenol	87-86-5	0.8^
	Phenanthrene	85-01-8	500
	Phenol	108-95-2	0.33^

TABLE 2.1 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
	Pyrene	129-00-0	500
PCBSs	Aroclor-1016	12674-11-2	1
	Aroclor-1221	11104-28-2	1
	Aroclor-1232	11141-16-5	1
	Aroclor-1242	53469-21-9	1
	Aroclor-1248	12672-29-6	1
	Aroclor-1254	11097-69-1	1
	Aroclor-1260	11096-82-5	1
HERBICIDES & PESTICIDES	2,4-D		0.5*
	2,4,5-T		1.9*
	2,4,5-TP Acid (Silvex)	93-72-1	3.8^
	Aldrin	309-00-2	0.19^
	Alpha-BHC	319-84-6	0.02^
	Beta-BHC	319-85-7	0.09^
	Chlordane	57-74-9	2.9^
	Delta-BHC	319-86-8	0.25^
	Dieldrin	60-57-1	0.1^
	Endosulfan I	959-98-8	102^
	Endosulfan II	33213-65-9	102^
	Endosulfan Sulfate	1031-07-8	200
	Endrin	72-20-8	0.06^
	Endrin Aldehyde	7421-93-4	-
	Endrin Ketone	53494-70-5	-
	Gamma-BHC (Lindane)	58-89-9	0.1^
	Heptachlor	76-44-8	0.38^
	Heptachlor Epoxide	1024-57-3	0.02*
	Methoxychlor	72-43-5	10*
	P,P'-DDD	72-54-8	14
	P,P'-DDE	72-55-9	17^
	P,P'-DDT	50-29-3	47
	Parathion		1.2*
	Toxaphene	8001-35-2	-
VOCs	1,1,1-Trichloroethane	71-55-6	0.68^
	1,1,2,2-Tetrachloroethane	79-34-5	0.6*
	1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	6*
	1,1,2-Trichloroethane	79-00-5	-
	1,1-Dichloroethane	75-34-3	0.27^
	1,1-Dichloroethene	75-35-4	0.33^
	1,2,3-Trichloropropane	96-18-4	0.4*
	1,2,4-Trimethylbenzene	95-63-6	3.6^
	1,2-Dibromomethane	74-95-3	-

TABLE 2.1 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
	1,2-Dibromo-3-chloropropane	96-12-8	-
	1,2-Dichlorobenzene	95-50-1	1.1^
	1,2-Dichloroethane	107-06-2	0.02^
VOCs	1,2-Dichloropropane	78-87-5	-
	1,3,5-Trimethylbenzene	108-67-8	8.4^
	1,3-Dichlorobenzene	541-73-1	2.4^
	1,3-Dichloropropane	142-28-9	0.3*
	1,4-Dichlorobenzene	106-46-7	1.8^
	1,4-Dioxane	123-91-1	0.1^
	2-Butanone (Methyl ethyl ketone)	78-93-3	0.12^
	2-Hexanone	591-78-6	-
	4-Isopropyltoluene	99-87-6	11 (APA)*
	4-Methyl-2-Pentanone	108-10-1	1*
	Acetone	67-64-1	0.05^
	Benzene	71-43-2	0.06^
	Bromodichloromethane	75-27-4	-
	Bromoform	75-25-2	-
	Bromomethane	74-83-9	-
	Carbon disulfide	75-15-0	2.7*
	Carbon tetrachloride	56-23-5	0.76^
	Chlorobenzene	108-90-7	1.1^
	Chloroethane	75-00-3	1.9*
	Chloroform	67-66-3	0.37^
	Chloromethane	74-87-3	-
	Cis-1,2-Dichloroethene	156-59-2	0.25^
	Cis-1,3-Dichloropropene	10061-01-5	-
	Cyclohexane	110-82-7	
	Dibromochloromethane	124-48-1	-
	Dichlorodifluoromethane	75-71-8	-
	Ethylbenzene	100-41-4	1^
	Isopropylbenzene	98-82-8	-
	M&p-Xylenes	1330-20-7	1.6^
	Methylene chloride	75-09-2	0.05^
	Methylcyclohexane	108-87-2	-
	Methyl-t-butyl ether	1634-04-4	0.93^
	n-Butylbenzene	104-51-8	12^
	n-Propylbenzene	103-65-1	3.9^
	O-Xylene	95-47-6	1.6^
	sec-Butylbenzene	135-98-8	11^
	Styrene	100-42-5	-
	t-Butyl Alcohol	75-65-0	-
	t-Butylbenzene	98-06-6	5.9^
	Tetrachloroethene	127-18-4	1.3^
	Toluene	108-88-3	0.7^

TABLE 2.1 - LIST OF CLEANUP OBJECTIVES - SOIL
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

SOIL			
Group	Analyte	CAS #	More Stringent of Commercial/Protection of Groundwater Soil Cleanup Objective (mg/Kg)
	Trans-1,2-dichloroethene	156-60-5	0.19^
	Trans-1,3-dichloropropene	10061-02-6	-
	Trichloroethene	79-01-6	0.47^
	Trichlorofluoromethane	75-69-4	-
VOCs	Vinyl chloride	75-01-4	0.02^
	Cyanide	57-12-5	27

* - TAGM 4046 Recommended Soil Cleanup Objectives
^ - Protection of Groundwater

TABLE 6 - LIST OF CLEANUP OBJECTIVES - GROUNDWATER
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

GROUNDWATER			
Group	Analyte	CAS #	TOGS /TAGM 4046* SCG (ug/L)
METALS	Aluminum	7429-90-5	-
	Antimony	7440-36-0	-
	Arsenic	7440-38-2	16[f]
	Barium	7440-39-3	400
	Beryllium	7440-41-7	47
	Cadmium	7440-43-9	7.5
	Calcium	7440-70-2	-
	Chromium, hexavalent[h]	7440-47-3	19
	Chromium,trivalent[h]	7440-47-3	1500
	Cobalt	7440-48-4	-
	Copper	7440-50-8	270
	Total Cyanide		27
	Iron	7439-89-6	-
	Lead	7439-92-1	450
	Magnesium	7439-95-4	-
	Manganese	7439-96-5	2000[f]
	Mercury	7439-97-6	0.73
	Nickel	7440-02-0	130
	Potassium	9/7/7440	-
	Selenium	7782-49-2	4[f]
	Silver	7440-22-4	8.3
	Sodium	7440-23-5	-
	Thallium	7440-28-0	-
	Vanadium	7440-62-2	-
	Zinc	7440-66-6	2,480
SVOCs	1-Chloropropane	540-54-5	-
	1,2,4-Trichlorobenzene	120-82-1	-
	1,2-Diphenylhydrazine	122-66-7	-
	2,4,5-Trichlorophenol	95-95-4	-
	2,4,6-Trichlorophenol	88-06-2	-
	2,4-Dichlorophenol	120-83-2	-
	2,4-Dimethylphenol	105-67-9	-
	2,4-Dinitrophenol	51-28-5	-
	2,4-Dinitrotoluene	121-14-2	-
	2,6-Dinitrotoluene	606-20-2	-
	2-Chloronaphthalene	91-58-7	-
	2-Chlorophenol	95-57-8	-
	2-Methylnaphthalene	91-57-6	-

TABLE 6 - LIST OF CLEANUP OBJECTIVES - GROUNDWATER
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

GROUNDWATER			
Group	Analyte	CAS #	TOGS /TAGM 4046* SCG (ug/L)
SVOCs	2-Methylphenol	95-48-7	-
	2-Nitroaniline	88-74-4	-
	2-Nitrophenol	88-75-5	-
	3&4-Methylphenol	106-44-5	-
	3,3'-Dichlorobenzidine	91-94-1	-
	3-Nitroaniline	99-09-2	-
	4,6-Dinitro-2-methylphenol	534-52-1	-
	4-Bromophenyl-phenylether	101-55-3	-
	4-Chloro-3-methylphenol	59-50-7	-
	4-Chloroaniline	106-47-8	-
	4-Chlorophenyl-phenylether	7005-72-3	-
	4-Nitroaniline	100-01-6	-
	4-Nitrophenol	100-02-7	-
	Acenaphthene	83-32-9	98
	Acenaphthylene	208-96-8	107
	Aniline	62-53-3	-
	Anthracene	120-12-7	500[b]
	Benzidine	92-87-5	-
	Benzo[a]Anthracene	56-55-3	1[f]
	Benzo[a]Pyrene	50-32-8	1[f]
	Benzo[b]Fluoranthene	205-99-2	1.7
	Benzo[g,h,i]Perylene	191-24-2	500[b]
	Benzo[k]Fluoranthene	207-08-9	1.7
	Benzoic acid	65-85-0	-
	bis(2-Chloroethoxy)methane	111-91-1	-
	bis(2-Chloroethyl)ether	111-44-4	-
	bis(2-Chloroisopropyl)ether	108-60-1	-
	bis(2-Ethylhexyl)phthalate	117-81-7	-
	Butylbenzylphthalate	85-68-7	-
	Carbazole	86-74-8	-
	Caprolactam	105-60-2	-
	Chrysene	218-01-9	1[f]
	Dibenzo[a,h]Anthracene	53-70-3	0.56
	Dibenzofuran	132-64-9	210
	Diethylphthalate	84-66-2	-
	Dimethylphthalate	131-11-3	-
	Di-n-Butylphthalate	84-74-2	-
	Di-n-octylphthalate	117-84-0	-
	Fluoranthene	206-44-0	500[b]

TABLE 6 - LIST OF CLEANUP OBJECTIVES - GROUNDWATER
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

GROUNDWATER			
Group	Analyte	CAS #	TOGS /TAGM 4046* SCG (ug/L)
SVOCs	Fluorene	86-73-7	386
	Hexachlorobenzene	118-74-1	3.2
	Hexachlorobutadiene	87-68-3	-
	Hexachlorocyclopentadiene	77-47-4	-
	Hexachloroethane	67-72-1	-
	Indeno[1,2,3-cd]Pyrene	193-39-5	5.6
	Isophorone	78-59-1	-
	m-Cresol	-	.33[e]
	o-Cresol	-	.33[e]
	p-Cresol	-	.33[e]
	Naphthalene	91-20-3	12
	Nitrobenzene	98-95-3	-
	N-Nitrosodimethylamine	62-75-9	-
	N-Nitroso-Di-n-propylamine	621-64-7	-
	N-Nitrosodiphenylamine	86-30-6	-
	Pentachlorophenol	87-86-5	.8[e]
	Phenanthrene	85-01-8	500[b]
	Phenol	108-95-2	.33[e]
	Pyrene	129-00-0	500[b]
PCBs	Aroclor-1016	12674-11-2	-
	Aroclor-1221	11104-28-2	-
	Aroclor-1232	11141-16-5	-
	Aroclor-1242	53469-21-9	-
	Aroclor-1248	12672-29-6	-
	Aroclor-1254	11097-69-1	-
	Aroclor-1260	11096-82-5	-
PESTICIDES	Aldrin	309-00-2	0.19
	Alpha-BHC	319-84-6	0.02
	Beta-BHC	319-85-7	0.09
	Chlordane (alpha)	57-74-9	2.9
	Delta-BHC	319-86-8	0.25
	Dieldrin	60-57-1	0.1
	Endosulfan I	959-98-8	102
	Endosulfan II	33213-65-9	102
	Endosulfan Sulfate	1031-07-8	200[i]
	Endrin	72-20-8	0.06
	Endrin Aldehyde	7421-93-4	-

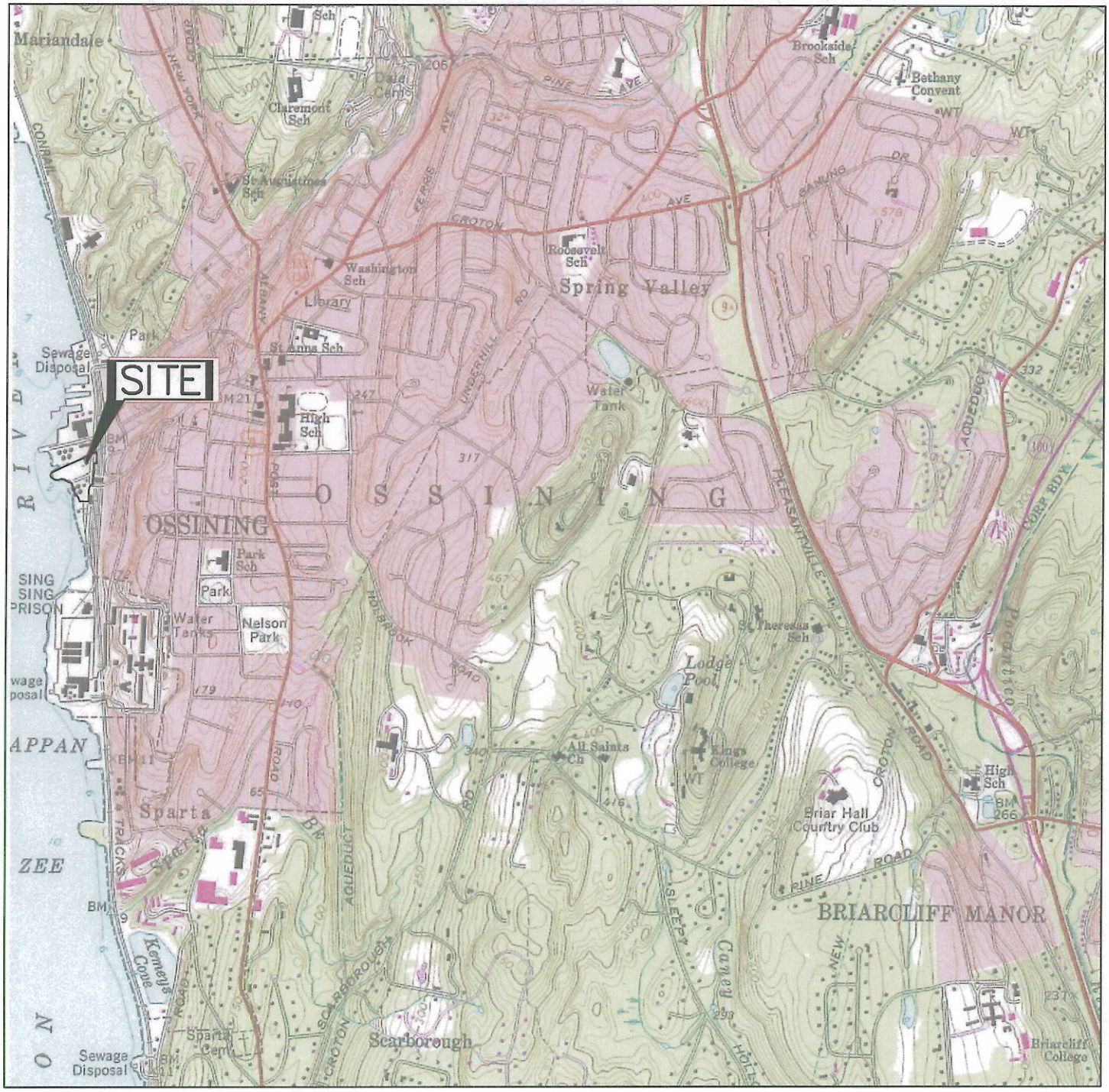
TABLE 6 - LIST OF CLEANUP OBJECTIVES - GROUNDWATER
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

GROUNDWATER			
Group	Analyte	CAS #	TOGS /TAGM 4046* SCG (ug/L)
PESTICIDES	Endrin Ketone	53494-70-5	-
	Gamma-BHC	58-89-9	-
	Heptachlor	76-44-8	0.38
	Heptachlor Epoxide	1024-57-3	-
	Lindane	-	0.1
	Methoxychlor	72-43-5	-
	Polychlorinated biphenyls	-	3.2
	P,P'-DDD	72-54-8	14
	P,P'-DDE	72-55-9	17
	P,P'-DDT	50-29-3	47
	Parathion		-
	Toxaphene	8001-35-2	-
VOCs	1,1,1-Trichloroethane	71-55-6	0.68
	1,1,2,2-Tetrachloroethane	79-34-5	-
	1,1,2-trichloro-1,2,2-trifluoroethane	76-13-1	-
	1,1,2-Trichloroethane	79-00-5	-
	1,1-Dichloroethane	75-34-3	0.27
	1,1-Dichloroethene	75-35-4	0.33
	1,2,3-Trichloropropane	96-18-4	-
	1,2,4-Trimethylbenzene	95-63-6	3.6
	1,2-Dichlorobenzene	95-50-1	1.1
	1,2-Dichloroethane	107-06-2	.02[f]
	1,2-Dichloropropane	78-87-5	-
	1,3,5-Trimethylbenzene	108-67-8	8.4
	1,3-Dichlorobenzene	541-73-1	2.4
	1,3-Dichloropropane	142-28-9	-
	1,4-Dichlorobenzene	106-46-7	1.8
	1,4-Dioxane	123-91-1	0.1[e]
	2-Butanone	78-93-3	-
	2-Chloroethylvinylether	110-75-8	-
	2-Hexanone	591-78-6	-
	4-Isopropyltoluene	99-87-6	-
	4-Methyl-2-Pentanone	108-10-1	-
	Acetone	67-64-1	0.05
	Acrolein	107-02-8	-
	Acrylonitrile	107-13-1	-
	Benzene	71-43-2	0.06
	Bromodichloromethane	75-27-4	-

TABLE 6 - LIST OF CLEANUP OBJECTIVES - GROUNDWATER
HARBOR SQUARE CROSSINGS
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS # 7173

GROUNDWATER			
Group	Analyte	CAS #	TOGS /TAGM 4046* SCG (ug/L)
VOCs	Bromoform	75-25-2	-
	Bromomethane	74-83-9	-
	Carbon disulfide	75-15-0	-
	Carbon tetrachloride	56-23-5	0.76
	Chlorobenzene	108-90-7	1.1
	Chloroethane	75-00-3	-
	Chloroform	67-66-3	0.37
	Chloromethane	74-87-3	-
	Cis-1,2-Dichloroethene	156-59-2	0.25
	Cis-1,3-Dichloropropene	10061-01-5	-
	Cyclohexane	110-82-7	-
	Dibromochloromethane	124-48-1	-
	Dichlorodifluoromethane	75-71-8	-
	Ethylbenzene	100-41-4	1
	Isopropylbenzene	98-82-8	-
	M&p-Xylenes	1330-20-7	1.6
	Methylene chloride	75-09-2	0.05
	Methylcyclohexane	108-87-2	-
	Methyl ethyl ketone	-	0.12
	Methyl-t-butyl ether	1634-04-4	0.93
	Butylbenzene	-	12
	n-Butylbenzene	104-51-8	-
	n-Propylbenzene	103-65-1	3.9
	O-Xylene	95-47-6	-
	sec-Butylbenzene	135-98-8	11
	Styrene	100-42-5	-
	t-Butyl Alcohol	75-65-0	-
	t-Butylbenzene	98-06-6	5.9
	Tetrachloroethene	127-18-4	1.3
	Toluene	108-88-3	0.7
	Trans-1,2-dichloroethene	156-60-5	0.19
	Trans-1,3-dichloropropene	10061-02-6	-
	Trichloroethene	79-01-6	0.47
	Trichlorofluoromethane	75-69-4	-
	Vinyl chloride	75-01-4	0.02
CN-S-9012	Cyanide	57-12-5	-

Appendix A:
Site Management Plan Figures



REFERENCE:

INFORMATION TAKEN FROM OSSINING, N.Y. QUADRANGLE, 1967
PHOTOREVISED 1979

FIGURE 1

ONE HARBOR SQUARE
VILLAGE OF OSSINING
WESTCHESTER COUNTY, NY

SITE LOCATION MAP

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DRAWN BY:	YY
CHECKED BY:	RH
SCALE:	1"=2000'±
DATE:	06/2010
JOB NO.:	7173

N:\ACAD\7173\REPORT DWGS\2011-PERIODIC REVIEW\7173 FIG 1 USGS MAP.dwg, Layout1, 6/17/2011 12:08:12 PM, Jenny, 1:1

N:\ACAD\7173\REPORT DWGS\2011-PERIODIC REVIEW\7173 FIG 2.dwg, FIG 2, 6/17/2011 12:05:22 PM, jenny, 1:1

FORMER MGP HOLDER AREA

FORMER MGP PLANT AREA

HARBOR SQUARE

DANZEISEN PARCEL
SECTION 97.05
BLOCK 1
LOT 10

FLAVOR SCIENCE PARCEL
SECTION 97.06
BLOCK 1
LOT 14

MAUE PARCEL
SECTION 97.05
BLOCK 1
LOT 13

MW-1
MW-2
MW-2A
MW-3
MW-4
MW-4 (SHALLOW)
MW-4A (DEEP)
MW-5
MW-6
MW-6A (SHALLOW)
MW-6B (DEEP)
MW-7
MW-7 (SHALLOW)
MW-7A (DEEP)
MW-8
MW-9
MW-10
MW-12
MW-13
MW-14
MW-A
MW-B
MW-C1
MW-C2

LEGEND

- EXIST. MONITORING WELLS

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

SITE PLAN

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

DESIGNED BY	DATE PREPARED
SP	06/2010
DRAWN BY	SCALE
YY	1" = 120'
CHECKED BY	PROJECT NO.
RF	7173
	FIGURE NUMBER 2
	SHEET

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N:\ACAD\7173\REPORT DWGS\PERIODIC REVIEW 2010\7173 FIG 3.dwg, FIG 3, 6/15/2012 8:48:58 AM,
1:1

FORMER MGP HOLDER AREA

FORMER MGP PLANT AREA

HARBOR SQUARE

DANZEISEN PARCEL
SECTION 97.06
BLOCK 1
LOT 10

FLAVOR SCIENCE PARCEL
SECTION 97.06
BLOCK 1
LOT 14

MAUE PARCEL
SECTION 97.06
BLOCK 1
LOT 13

MW-1 (SHALLOW)
MW-1A (DEEP)
MW-2 (SHALLOW)
MW-2A (DEEP)
MW-3
MW-4 (SHALLOW)
MW-4A (DEEP)
MW-5
MW-6
MW-6A (SHALLOW)
MW-6B (DEEP)
MW-7 (SHALLOW)
MW-7A (DEEP)
MW-8
MW-9
MW-10
MW-12
MW-13
MW-14
MW-A
MW-B
MW-C1
MW-C2

LEGEND

- EXIST. MONITORING WELLS

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

GROUNDWATER FLOW CONTOURS
ON 06/22/10

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9060

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CHECKED BY: RF	PROJECT NO.: 7173
	FIGURE NUMBER: 3
	SHEET

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MW-B

MW-7 (SHALLOW)

SECTION 97.06
BLOCK 1
LOT 11

MW-7A (DEEP)

SECTION 97.06
BLOCK 1
LOT 10

SECTION 97.06
BLOCK 1
LOT 9

MW-A

MW-2 (SHALLOW)

MW-2A (DEEP)

SECTION 97.06
BLOCK 1
LOT 14

MW-6B (DEEP)

MW-6A (SHALLOW)

SECTION 97.06
BLOCK 1
LOT 15

MW-4A (DEEP)

MW-4 (SHALLOW)

MW-C1

MW-C2

SALES
CENTER

WESTERLY ROAD

ECOR ROAD

LEGEND

- EXIST MONITORING WELLS
- EXIST DNAPL RECOVERY WELLS
- EXIST SLURRY WALL
- APPROXIMATE DNAPL PLUME

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

MAP OF ENGINEERING CONTROL TREATMENT SYSTEM (SLURRY WALL AND DNAPL RECOVERY SYSTEM)

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

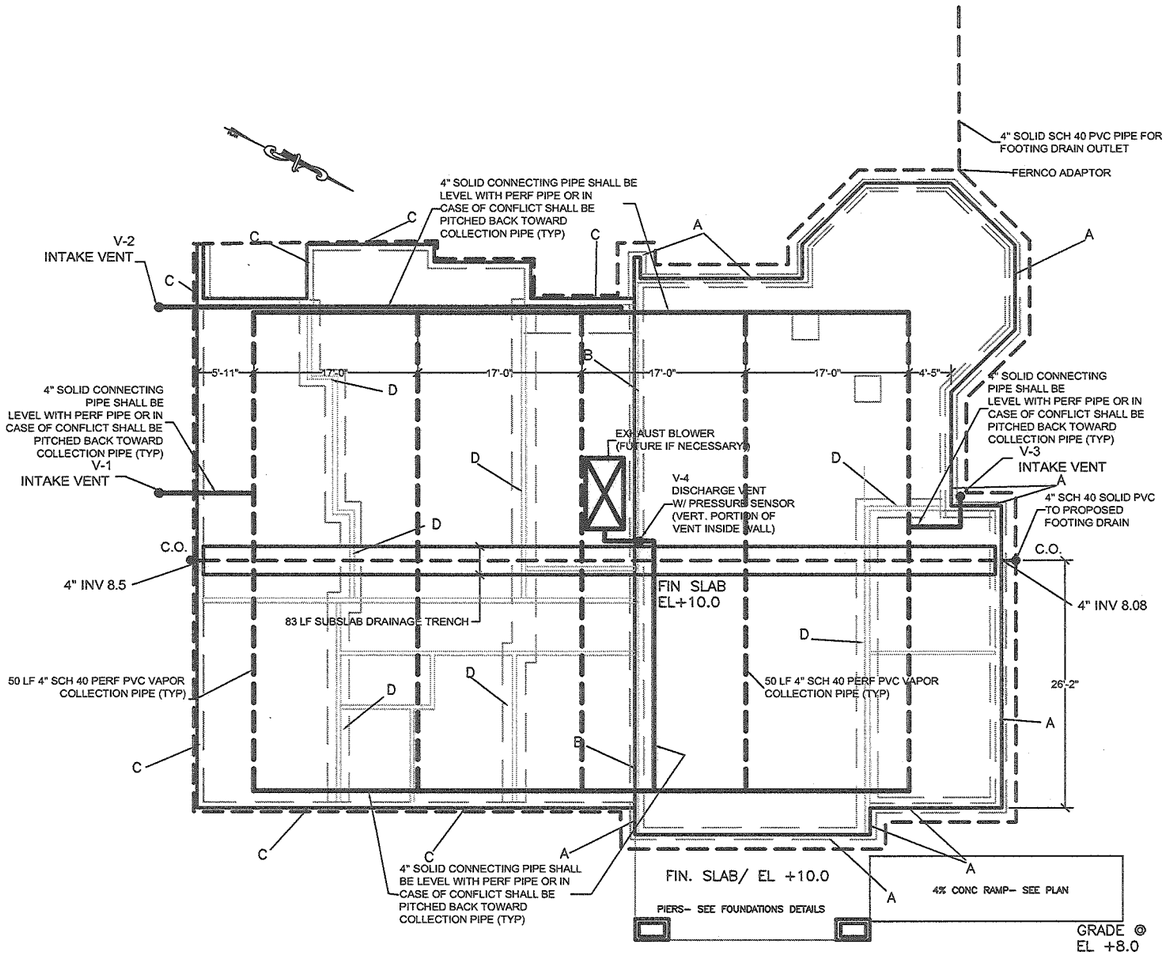
DESIGNED BY	DATE PREPARED
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DRAWN BY	SCALE
YY	1" = 60'
CHECKED BY	PROJECT NO.
DG	7173

FIGURE NUMBER 4A

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N:\ACAD\7173\REPORT DWGS\2011-PERIODIC REVIEW\7173 FIG 4A.dwg, FIG4A, 6/17/2011 12:06:18 PM, jenny, 1:1

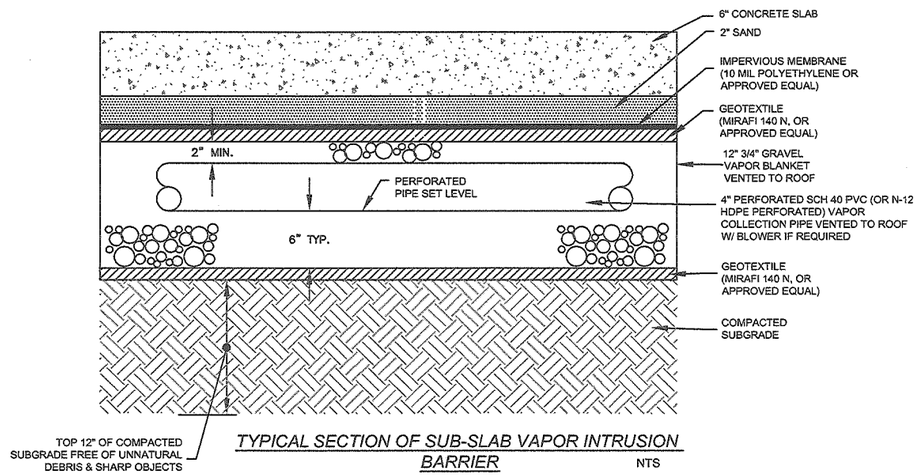


SALES CENTER FOUNDATION PLAN

SCALE: 1" = 16'

LEGEND

- SUBSLAB DRAINAGE TRENCH WITH 4" PERF DRAIN PIPE
- C — CROSS SECTION LOCATIONS
- V-1 — 6"Ø RISER LOCATION & LABEL
- 6" SOLID PVC PIPE
- 4" PERF HDPE VAPOR COLLECTION PIPE



TYPICAL SECTION OF SUB-SLAB VAPOR INTRUSION BARRIER

NTS

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SYSTEM DESIGN BASIS AND NOTES

Depending upon the types and concentration of vapors measured below the slab, the sub-slab vapor extraction system is designed to operate (after minor modifications and/or adjustments) in one of the following modes:

1. Passive Operation, with the sub-slab piping and gravel system vented only to the atmosphere above the roofline;
2. Continuous Active Draft Operation, induced draft operation using a blower(s) at one (or more) vent pipes, with the discharged gas directed to the atmosphere with no treatment; and,
3. Timed Active Operation (i.e., a number of sub-slab air purges per day, to be determined based on field measurements) controlled by the timed operation of blowers.

At minimum, the sub-slab vapor extraction system shall maintain a minimum pressure (negative) under the concrete floor slab of – 0.2" of water column for options 1, 2 and 3 above. Option 1 has to be determined in the field if passive operation is feasible.

The exhaust fan (if necessary) shall be suitable for exterior installation and of non-explosive construction for handling gas mixtures containing vapors originating from gas lines and fuel oil. The fan shall be capable of providing a minimum exhaust rate of 50 cfm with 3-inches water column. The fan shall be provided with a damper to allow adjustment of the flow rate of air.

A sub-slab pressure detector system shall be provided to continuously detect the sub-slab pressure. The detector system shall be set to provide a visual and audible alarm upon the sub-slab pressure falling below 0.2 inches of water column. The detector system shall be hard-wired with battery operated power backup to provide a minimum of 24-hours of continued operation. The alarm panel shall be placed in a visible location (such as the mechanical room) that is frequently visited by maintenance personnel.

NOTE:
AS OF MAY 2010 ONLY THE CONCRETE SLAB ASSOCIATED WITH ALL SALES CENTER HAS BEEN CONSTRUCTED (SUPER STRUCTURE NOT COMPLETED).

REV TAX MAP INFO 07/2010

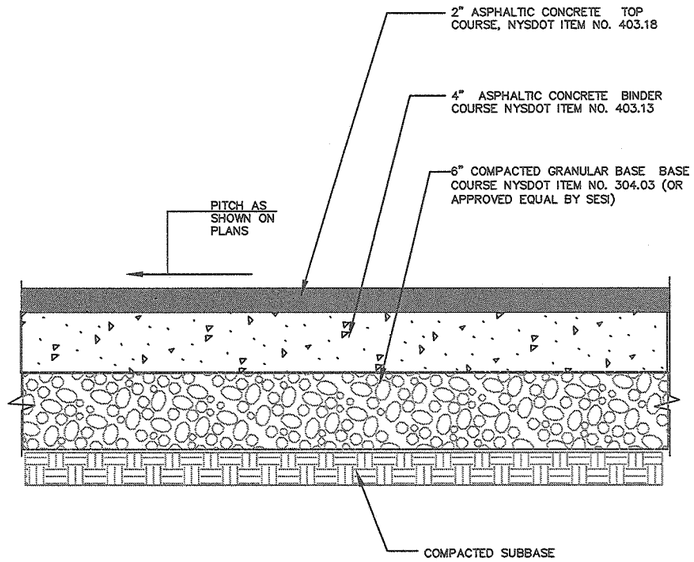
HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

MAP OF ENGINEERING CONTROL TREATMENT SYSTEM - SUBSLAB VENTING/DEPRESSURIZATION SYSTEM

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE, PINE BROOK, N.J. 07058 PH: 973-808-9050

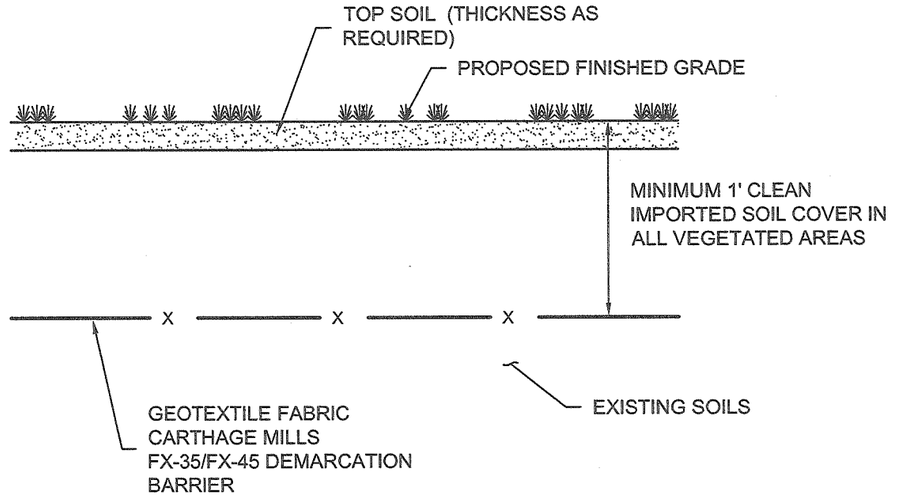
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CHECKED BY MBA	PROJECT NO. 7173
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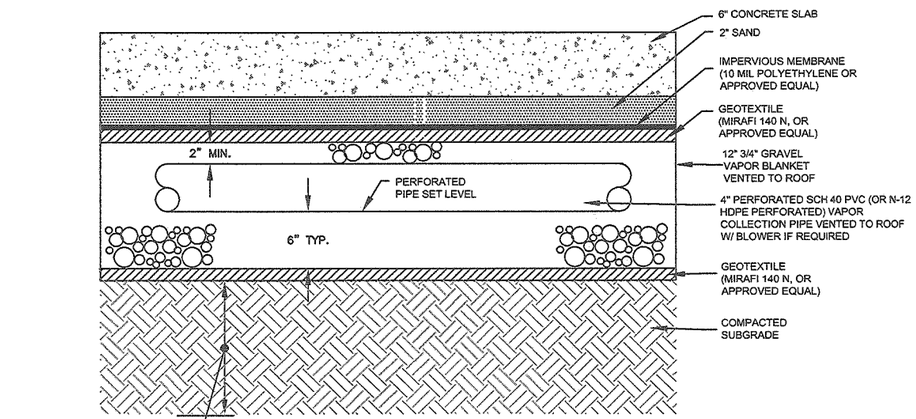
ONSITE ASPHALT PAVEMENT SECTION

NOT TO SCALE



VEGETATED AREA SECTION

SCALE: N.T.S



TYPICAL SECTION OF SUB-SLAB VAPOR INTRUSION BARRIER NTS

SLAB SECTION - SALES CENTER

SCALE: N.T.S

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HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

TYPICAL COVER DETAIL FOR ALL COVER TYPES

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SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE. PINE BROOK, N.J. 07058 PH: 973-808-9050

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DRAWN BY	SCALE
YY	N.T.S.
CHECKED BY	PROJECT NO.
RF	7173
	FIGURE NUMBER 5
	SHEET

N:\ACAD\7173\REPORT DWGS\2011-PERIODIC REVIEW\7173 FIG 5.dwg, FIG 5, 6/17/2011 12:07:01 PM, jenny, 1:1

HARBOR SQUARE

SECTION 97.06
BLOCK 1
LOT 11

DANZEISEN PARCEL
SECTION 97.06
BLOCK 1
LOT 10

SECTION 97.06
BLOCK 1
LOT 9

CONCRETE PAD
(FOR TRAILER)

ASPHALT

FLAVOR SCIENCE PARCEL
SECTION 97.06
BLOCK 1
LOT 14

APPROX.
LOCATION OF
EXIST. WALKWAY

MAUE PARCEL
SECTION 97.06
BLOCK 1
LOT 15

ASPHALT WALK

CONCRETE

APPROX.
LOCATION OF
ASPHALT
PAVEMENT

ASPHALT
PAVEMENT

SECOR ROAD

PERRY STREET

MW-C

LEGEND

- 6" ASPHALT WALKWAY (FERRY WALKWAY)
- 6" CONCRETE SLAB ON GRADE
- CLEAN SOIL COVER

REV TAX MAP INFO 07/2010

HARBOR SQUARE
SECTION 97.06, BLOCK 1, LOTS 9, 10, 11, 14, & 15
TOWN & VILLAGE OF OSSINING,
COUNTY OF WESTCHESTER, NEW YORK

SITE WIDE COVER SYSTEM PLAN
(LOCATION OF DIFFERENT COVER TYPES)

SESI CONSULTING ENGINEERS, PC
SOILS / FOUNDATIONS
SITE DESIGN
ENVIRONMENTAL
12A MAPLE AVE, PINE BROOK, N.J. 07058 PH: 973-808-9050

DESIGNED BY	DATE PREPARED
RF	06/2010
DRAWN BY	SCALE
YY	1" = 60'
CHECKED BY	PROJECT NO.
RF	7173
	FIGURE NUMBER
	6
	SHEET

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N:\ACAD\7173\REPORT DWGS\2011-PERIODIC REVIEW\7173 FIG 6.dwg, FIG 6, 6/17/2011 12:07:36 PM, jenny, 1:1

Appendix B:
Arcadis CCR

OU-3 DNAPL IRM CONSTRUCTION COMPLETION REPORT
FORMER OSSINING WORKS SITE
OSSINING, NEW YORK
SITE NO. 360172



CONSOLIDATED EDISON CO. OF NEW YORK, INC.
31-01 20th Avenue
Long Island City, NY 11105

Prepared by:

Arcadis of New York, Inc.
110 West Fayette Street, Suite 300
Syracuse, New York 13202

June 2019

Certification

I, Jason D. Brien, certify that I am currently a New York State registered professional engineer and that this *Construction Completion Report* was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER *Technical Guidance for Site Investigation and Remediation* (DER-10).

_____ _____

Jason D. Brien, P.E. Date

NYS PE License No. 084067

OU3 DNAPL IRM CONSTRUCTION COMPLETION REPORT

Former Ossining Works Site

Prepared for:

Consolidated Edison Company of New York, Inc.

Prepared by:

Arcadis U.S., Inc.

One Lincoln Center

110 West Fayette Street

Suite 300

Syracuse

New York 13202

Tel 315 446 9120

Fax 315 449 0017

Our Ref.:

B0043024.0060 #11

Date:

June 2019

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Table 1 – DNAPL Gauging Measurements

Table 2 – RW-A Accumulation Data

Table 3 – RW-A Recovery Data

Table 4 – RW-D DNAPL Accumulation Data

Table 5 – RW-D DNAPL Recovery Data

FIGURES

Figure 1 – Site Location Map

Figure 2 – Existing Recovery Well Map

Figure 3 – Measured DNAPL Recovery by Date for RW-A

Figure 4 – Average Daily Recovery (gal per day) for RW-A

Figure 5 – Measured DNAPL Recovery by Date for RW-D

APPENDICES

Appendix A – Well Logs

Appendix B – Waste Manifests

Appendix C – Waste Characterization Results

ACRONYMS AND ABBREVIATIONS

AMSL	above mean sea level
BCP	NYSDEC Brownfields Cleanup Program
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylene
CAMP	Community Air Monitoring Plan
CMX	CMX, Inc. (consultant to Con Edison prior to 2010)
COCs	Constituents of Concern
Con Edison	Consolidated Edison Company of New York, Inc.
DER-10	DER-10 Technical Guidance for Site Investigation and Remediation
EPA	Environmental Protection Agency
IRM	Interim Remedial Measure
mg/kg	milligrams per kilogram
MGP	Manufactured Gas Plant
NAPL	Non-aqueous Phase Liquid
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
OU	Operable Unit
PAHs	Polycyclic Aromatic Hydrocarbons
PID	Photoionization Detector
PE	Professional Engineer
PRR	Periodic Review Report
SESI	SESI Consulting Engineer, P.C. (consultant to Harbor Square, LLC)
Site	Former Ossining Works MGP site
SMP	Site Management Plan
SVOCs	Semi-volatile Organic Compounds
TCLP	Toxicity Characteristic Leaching Procedure
VOCs	Volatile Organic Compounds

1 INTRODUCTION

1.1 Purpose

This Construction Completion Report (CCR) has been prepared by Arcadis of New York, Inc. (Arcadis), on behalf of the Consolidated Edison Company of New York (Con Edison), to document Dense Non-Aqueous Phase Liquid (DNAPL) monitoring and recovery activities that were completed between October 2008 and March 2019 for Operable Unit No. 3 of the Consolidated Edison Company of New York, Inc. (Con Edison) former Ossining Works Manufactured Gas Plant site (the "site") located in Ossining, New York (Figure 1).

The DNAPL monitoring and recovery activities documented in this CCR were completed as an Interim Remedial Measure (IRM) pursuant to a Voluntary Cleanup Agreement (VCA) between Con Edison and the New York State Department of Environmental Conservation (NYSDEC). The site identification number under the VCA was V00568. In 2018 the VCA was replaced by a multi-site Consent Order (Consent Order No. 0-20180516-519), with the former Ossining Works site identified as Site No. 360172.

The DNAPL monitoring and recovery activities were performed in accordance with the NYSDEC-approved *DNAPL Recovery Work Plan* (Work Plan) prepared by CMX, Inc. (CMX), dated September 4, 2008. Modifications to the DNAPL Recovery Work Plan were subsequently proposed by Con Edison and approved by NYSDEC as described in this CCR.

A brief description of the site location and relevant background information is presented below, followed by a summary of the IRM objectives and a discussion of the DNAPL monitoring and recovery activities and results.

1.2 Site Location and Background

The former Ossining Works site is located in the village of Ossining, Westchester County, New York. The site consists of three adjacent operable units (OU-1 through OU-3) as shown on Figure 1.

OU-1 consists of two parcels. The largest parcel consists of an irregularly shaped, approximately 3.45-acre area bordered by Central Avenue to the north, Main Street to the south, and North Water Street to the west. The second parcel consists of a 0.5-area Con Edison-owned electrical substation located north of Central Avenue near the intersection with North Water Street. The total combined acreage of OU-1 is approximately 3.95 acres. OU-1 includes the former MGP operations and is currently occupied by the Ossining Department of Public Works (ODPW).

OU-2 is located hydraulically downgradient to the west of OU-1 and consists of an approximately 6-acre area. OU-2 is bordered by Quimby Street to the north, Secor Road and South Water Street to the south, North Water Street to the east, and Westerly Road to the west as shown on Figure 2. The western portion of OU-2 is currently used as an asphalt-paved commuter parking lot for the Metropolitan Transit Authority (MTA). The western portion of OU-2 consists of several commercial and residential properties. No

historical MGP operations were conducted at OU-2 and identified MGP-related impacts are associated with off-site migration from OU-1.

OU-3, also known as the Harbor Square property, consists of an approximately 4.5 acre parcel of property located west and downgradient of OU-2 that is bordered by Kill Brook to the north, a public park and playground to the south, Westerly Road to the east and the Hudson River to the west. The property is currently occupied by residential apartments (Harbor Square Apartments) and a restaurant (3 Westerly Bar and Grill).

Historical records indicate that numerous underground and above ground storage tanks were previously located at the OU-3 property. In addition, MGP-related residual materials appear to have migrated onto the northeast portion of the OU-3 property (adjacent to Kill Brook).

In conjunction with development of the apartments and restaurant, remedial activities for OU-3 were conducted under the New York State Brownfields Cleanup Program (BCP). The OU-3 property is identified as BCP Site No. C360091. According to the NYSDEC BCP application (Harbor Square, LLC., 2006), the OU-3 property is identified as tax parcels (Lots 1-9 through 1-16) within Section 97.06 on the tax map of the Village of Ossining.

1.3 IRM Objectives

Five DNAPL recovery wells have been installed for the OU-3 property, including recovery wells RW-A, RW-B, RW-C, RW-C2, and RW-D (Shown on Figure 2). The DNAPL monitoring and recovery program objectives as presented in the DNAPL Recovery Work Plan included:

- Improve recovery of DNAPL at recovery well RW-A
- Determine the rate of natural DNAPL recovery in the well
- Determine whether an automated DNAPL recovery system is applicable
- Install and monitor two DNAPL recovery wells near a cut-off wall previously installed on the site.

Modified IRM objectives were proposed in the January 28, 2013 letter from Con Edison to the NYSDEC which proposed to discontinue monitoring at recovery wells RW-A, RW-B, RW-C, and RW-C2 (based on a lack of recoverable DNAPL at these locations), and focus recovery efforts on well RW-D. Pursuant to NYSDEC comments on the January 28, 2013 letter, Con Edison continued to monitor fluid levels for the OU3 recovery wells on a quarterly basis and DNAPL recovery was only conducted at RW-D. The modified IRM objectives were as follows:

- Measure fluid-level elevations at RW-A, RW-B, RW-C, RW-C2, and RW-D on a quarterly basis to evaluate the presence of NAPL.

- Recover DNAPL encountered at recovery well RW-D.

- Evaluate the volume of DNAPL removed from recovery well RW-D and the rate at which DNAPL levels recover within the well

2 IRM OVERVIEW

This section presents a summary of the DNAPL monitoring and recovery activities that were implemented for OU-3 between October 2008 and March 2019.

2.1 Recovery Well Installation

As indicated in Section 1.3 above, five DNAPL recovery wells have been installed for the site (Shown on Figure 2). One 8-inch DNAPL recovery well (RW-A) was originally installed during November 2007 in the northeast portion of the site by Harbor Square LLC's consultant, SESI Consulting Engineers (SESI). SESI removed DNAPL and water from RW-A on several occasions prior to the official start of the DNAPL monitoring and recovery IRM activities. CMX installed two additional 8-inch recovery wells (RW-B and RW-C2) during October 2008 pursuant to the DNAPL Recovery Work Plan. Following installation, the location for RW-C2 was found to be downgradient from a slurry well (shown on Figure 2) that was installed as part of the BCP remedial activities for the Harbor Square property. RW-C2 was installed to monitor for possible NAPL migration around the south end of the slurry wall and the well was not suitable for that purpose. Accordingly, a replacement recovery well RW-C was installed by SESI in December 2008. Recovery Well RW-D was installed within Westerly Avenue immediately east of OU-3 during March 2012 by Arcadis concurrent with remedial investigation activities for OU-1 and OU-2 of the site. Recovery well logs for RW-A, RW-B, RW-C2, and RW-D are included in Appendix A. No recovery well log is available for replacement recovery well RW-C; however, a memorandum prepared by SESI that describes the well installation process for RW-C is included in Appendix A.

2.2 DNAPL Monitoring and Recovery Activities

DNAPL monitoring and recovery efforts were conducted from October 2008 to March 2019. Following the start of the program on October 7, 2008, monitoring and recovery activities were conducted on three consecutive days. Monitoring and recovery activities were conducted on a weekly basis between October 13, 2008 and January 5, 2009. Between January 2009 and December 2010, DNAPL monitoring and recovery activities were conducted on a monthly basis. The DNAPL monitoring and recovery frequency was modified to quarterly from January 2011 through March 2019.

Quarterly monitoring and recovery was not conducted for the fourth quarter of 2016 due to a waste handling permit issue that was identified with the disposal vendor that was previously used for disposal of the waste generated by the IRM activities. DNAPL monitoring and recovery was not conducted for the fourth quarter of 2017 due to Con Edison's re-evaluation of the DNPAL recovery methods and associated waste re-classification efforts.

2.2.1 Community Air Monitoring Program

Air monitoring was performed during each DNAPL monitoring and recovery event for volatile organic compounds (VOCs) using photoionization detectors (PIDs) equipped with continuous data loggers. Air monitoring was performed in the work zone, and upwind and downwind of the work zone during DNAPL recovery activities. PID readings did not exceed the action level specified in the site-specific Health and Safety Plan (10 parts per million [ppm] above background levels for more than 5 minutes) at any time during the DNAPL monitoring and recovery activities.

2.2.2 Fluid-Level Measurements

In accordance with the DNAPL Recovery Work Plan, static-fluid levels were measured at each recovery well during each DNAPL monitoring and recovery event using an electronic oil-water interface probe to measure the depth from a surveyed mark on the top of the inner well casing to light non-aqueous phase liquid (LNAPL), groundwater, and/or DNAPL surfaces to the nearest 0.01 feet.

The fluid-level measurements obtained at each recovery well for each monitoring and recovery event are presented in Table 1. LNAPL was not identified at any of the recovery wells. DNAPL was only detected at recovery wells RW-A and RW-D. DNAPL was not been observed at RW-B, RW-C, or RW-C2 at any point since inception of the monitoring program in 2008.

2.2.3 Fluid and DNAPL Recovery

DNAPL recovery activities were performed to remove accumulated DNAPL identified at recovery wells RW-A and RW-D. DNAPL recovery efforts were conducted for RW-A from October 2008 until November 2012. Recovery activities were discontinued at RW-A following the November 2012 evacuation event as a result of a continuing decline of the quantity of DNAPL identified and recovered during previous monitoring events. DNAPL recovery efforts were conducted for RW-D from July 2012 through March 2019.

As outlined in the DNAPL Recovery Work Plan, DNAPL recovery activities for RW-A (from October 2008 through November of 2012) and for RW-D prior to April of 2018 were conducted using a vacuum enhanced fluid recovery (VEFR) approach that consisted of repeated cycles of evacuating the well using a vacuum truck, followed by a recovery period where water and DNAPL levels were measured and recorded every 5 minutes. Each evacuation and recovery cycle typically consisted of a 15-minute DNAPL evacuation period followed by 25 to 30 minutes of water and DNAPL monitoring at 5-minute intervals. Depending on the quantity of DNAPL that was observed following each DNAPL evacuation period, each recovery event consisted of between two and seven evacuation and recovery cycles. The total volume of DNAPL recovered for each monitoring and recovery event was calculated by measuring the difference in DNAPL levels before and after each evacuation cycle.

Con Edison proposed to modify the DNAPL recovery methods outlined in the Work Plan in a February 19, 2018 e-mail correspondence to the NYSDEC. Due to the decreasing effectiveness of the VEFR recovery approach for RW-D (as demonstrated by the negligible amount of DNAPL recovered for each successive monitoring and recovery event), Con Edison proposed to utilize a lower energy recovery method which

consisted of pumping the well with a peristaltic pump to: (1) maximize the amount of DNAPL recovered; (2) minimize the amount of groundwater generated; and (3) limit potential further clogging of the well screen. The modified DNAPL recovery approach was subsequently approved by the NYSDEC in an April 10, 2019 e-mail correspondence to Con Edison.

Fluid-level measurements and the volume of total liquid and DNAPL recovered during the evacuation events for RW-A are presented in Table 2. The total volume of DNAPL recovered during each evacuation event for RW-A is summarized in Table 3.

Fluid-level measurements and the volume of total liquid and DNAPL recovered during the evacuation events for RW-D are presented in Table 4. The total volume of DNAPL recovered during each evacuation event for RW-D is summarized in Table 5.

3 SUMMARY OF COMPLETED IRM ACTIVITIES

This section summarizes the results for the DNAPL monitoring and recovery activities that have been implemented at the site from October 2008 through March 2019.

3.1 Annual Summary Reports

The results of the DNAPL monitoring and recovery activities conducted for the OU-3 property are summarized in annual DNAPL Summary Reports that were prepared on a yearly basis between 2009 and 2019. CMX prepared the Annual DNAPL Summary Report for 2009 which covered activities conducted from October 2008 through December 2009. Annual DNAPL Summary Reports for 2010 through 2018 were prepared by Arcadis. In addition to NYSDEC, annual DNAPL Summary Reports were submitted by Con Edison to the OU-3 property owner for inclusion with the Periodic Review Reports that are submitted to NYSDEC on an annual basis.

3.2 DNAPL Removal

During the DNAPL recovery IRM, approximately 226.24 gallons of DNAPL and 27,572 gallons of water were removed from OU-3 between October 2007 and March of 2019.

As indicated in Table 3, approximately 103.2 gallons of DNAPL and 23, 564 gallons of groundwater were extracted from recovery well RW-A between October 2008 and November 2012. The amount of DNAPL recovered for each recovery event ranged from approximately 15.6 gallons (for October 7, 2008) to 0.0 gallons for specific events during 2010, 2011, and 2012. A graph of the measured DNAPL Recovery by date for RW-A is shown on Figure 3. The average daily DNAPL recovery rate for RW-A (defined as the quantity of DNAPL accumulated in the well at the start of each event divided by the number of days since the last recovery event) ranged from 0.650 gallons per day (between December 3, 2008 and December 15, 2008) to 0.0 gallons per day for specific events in 2010, 2011, and 2012. The average daily DNAPL recovery rate for RW-A is depicted on Figure 4.

As summarized in Table 5, approximately 123.04 gallons of DNAPL and 4,008 gallons of groundwater were extracted from recovery well RW-D between July 25, 2012 and March of 2019. The amount of DNAPL recovered for each recovery event ranged from approximately 28.8 gallons (for October 16, 2014) to 0.0 gallons (with no DNAPL recovered from June 2017 through March 2019). The average daily DNAPL recovery rate ranged from 0.281 gallons per day (between June 6, 2014 and October 16, 2014) to 0.0 gallons per day from March 29, 2017 through March 21, 2019. The measured DNAPL recovery by date and average daily DNAPL recovery rate for RW-D is shown on Figure 5.

3.3 Disposal Documentation and Information

Waste manifests and shipping documents for all hazardous and non-hazardous wastes generated by the DNAPL monitoring and recovery events are included in Appendix B. Waste Characterization sampling

results for the liquid and solid wastes generated by the monitoring and recovery efforts are included in Appendix C.

Based on waste characterization samples collected in April 2008, liquid and solid waste generated by the IRM activities between October of 2008 and October of 2011 was manifested for offsite disposal as a characteristic hazardous waste for benzene and trichloroethene (hazardous waste codes D018 and D040). Arcadis collected additional waste characterization samples concurrently with an October 2014 recovery event. Based on the October 2014 sampling results, liquid and solid waste generated by the IRM activities between January 2015 and October 2017 was managed as characteristic hazardous waste for benzene only (waste code D018). In conjunction with modification of the DNAPL recovery method as discussed in Con Edison's February 19, 2018 e-mail correspondence to the NYSDEC, Arcadis collected additional waste characterization samples and the analytical results indicated that the used PPE and debris waste generated by the ongoing IRM activities was non-hazardous. As such, any used PPE and debris generated during the 2018 and 2019 monitoring events was transported offsite by Arcadis subcontractor, IWT Transport, Inc., and disposed of at a Clean Earth of New Jersey, Inc., facility in Kearny, New Jersey [a RCRA Part B permitted Treatment, Storage, and Disposal Facility (TSDF)].

3.4 Site Restoration

Upon NYSDEC approval of the CCR, if it's determined that the existing recovery wells within OU-3 have no further use in connection with the on-going remedial activities at the site, Con Edison will coordinate with the Harbor Square property owner to decommission the wells and property restore the area.

3.5 Conclusions and Recommendations

As described in this report, the results of the DNAPL monitoring and recovery activities to date indicate that no recoverable DNAPL remains at the site's OU-3. Only trace quantities of NAPL have been observed in RW-A and RW-D since March 19, 2015 and June 22, 2017, respectively. DNAPL has not been identified at the remaining OU-3 recovery wells (RW-B, RW-C, and RW-C2) at any point of time since the inception of the monitoring program. The IRM objectives as stated in Section 1.3 have been met. Therefore, the DNAPL monitoring and recovery efforts at OU-3 can be discontinued.

4 REFERENCES

CMX, Inc., *DNAPL Recovery Work Plan,* September 4, 2008.

Con Edison, Letter to NYSDEC, January 28, 2013.

Con Edison, e-mail correspondence to NYSDEC, February 19, 2018.

TABLES

TABLE 1
DNAPL GAUGING MEASUREMENTS

DRAFT

OPERABLE UNIT 3 DNAPL CCR
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	PID Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			LNAPL	Water	DNAPL	Well	LNAPL	DNAPL	
RW-A	10/7/08	567	NE	7.30	28.70	34.67	NE	5.97	Initial development, DNAPL removal and gauging
RW-B		26.2	NE	7.68	NE	35.00	NE	NE	
RW-C		0.0	NE	9.50	NE	35.00	NE	NE	
RW-A	10/8/08	1,078	NE	7.28	33.60	34.67	NE	1.07	
RW-B		0.0	NE	27.19	NE	35.00	NE	NE	
RW-C		0.0	NE	11.18	NE	35.00	NE	NE	
RW-A	10/9/08	1,082	NE	7.35	33.45	34.67	NE	1.22	
RW-B		0.0	NE	22.58	NE	35.00	NE	NE	
RW-C		0.0	NE	10.18	NE	35.00	NE	NE	
RW-A	10/13/08	1,144	NE	7.35	33.70	34.67	NE	0.97	
RW-B		1.2	NE	11.41	NE	35.00	NE	NE	
RW-C		0.0	NE	10.65	NE	35.00	NE	NE	
RW-A	10/20/08	1,443	NE	7.38	33.60	34.67	NE	1.07	
RW-B		5.0	NE	7.82	NE	35.00	NE	NE	
RW-C		0.0	NE	9.82	NE	35.00	NE	NE	
RW-A	11/3/08	1,244	NE	7.42	33.81	34.67	NE	0.86	2nd DNAPL removal event
RW-B		5.1	NE	7.40	NE	35.00	NE	NE	
RW-C		0.0	NE	9.35	NE	35.00	NE	NE	
RW-A	11/10/08	1,578	NE	7.33	19.63*	34.67	NE	*	No NAPL on probe. Reading is false positive due to turbulence in well apparently caused by heavy rainfall.
RW-B		0.2	NE	10.94	NE	35.00	NE	NE	
RW-C		0.0	NE	9.53	NE	35.00	NE	NE	
RW-A	11/17/08	2,128	NE	7.11	33.85	34.67	NE	0.82	
RW-B		0.0	NE	8.02	NE	35.00	NE	NE	
RW-C		0.0	NE	8.78	NE	35.00	NE	NE	
RW-A	12/3/08	1,556	NE	7.29	33.35	34.67	NE	1.32	3rd DNAPL removal event
RW-B		1.8	NE	7.24	NE	35.00	NE	NE	
RW-C		0.0	NE	9.31	NE	35.00	NE	NE	
RW-A	12/10/08	842	NE	6.93	33.49	34.67	NE	1.18	
RW-B		0.0	NE	7.49	NE	35.00	NE	NE	
RW-C		0.0	NE	9.65	NE	35.00	NE	NE	
RW-A	12/15/08	922	NE	6.96	33.48	34.67	NE	1.19	4th DNAPL removal event
RW-B		0.0	NE	7.51	NE	35.00	NE	NE	
RW-C		0.0	NE	9.60	NE	35.00	NE	NE	
RW-A	12/29/08	1,290	NE	6.96	33.35	34.67	NE	1.32	5th DNAPL removal event
RW-B		0.0	NE	7.71	NE	35.00	NE	NE	
RW-C		0.0	NE	9.45	NE	35.00	NE	NE	
RW-A	12/30/08	1,500	NE	6.90	33.20	34.67	NE	1.47	
RW-B		0.0	NE	NR	NE	35.00	NE	NE	
RW-C		0.0	NE	NR	NE	35.00	NE	NE	
RW-A	1/5/09	NR	NE	7.28	33.29	34.67	NE	1.38	6th DNAPL removal event
RW-B		NR	NE	7.68	NE	35.00	NE	NE	
RW-C2		NR	NE	9.62	NE	31.00	NE	NE	
RW-C		NR	NE	9.38	NE	35.00	NE	NE	
RW-A	2/24/09	NR	NE	7.38	32.95	34.67	NE	1.72	7th DNAPL removal event
RW-B		NR	NE	7.71	NE	35.00	NE	NE	
RW-C2		NR	NE	9.82	NE	31.00	NE	NE	
RW-C		NR	NE	9.52	NE	35.00	NE	NE	

Monitoring Well	Date	PID Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			LNAPL	Water	DNAPL	Well	LNAPL	DNAPL	
RW-A	3/27/09	211	NE	7.28	33.30	34.70	NE	1.4	8th DNAPL removal event
RW-B		0.0	NE	7.05	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.09	NE	31.00	NE	NE	
RW-C		0.0	NE	9.21	NE	35.00	NE	NE	
RW-A	4/27/09	439	NE	7.31	33.34	34.70	NE	1.36	9th DNAPL removal event
RW-B		0.0	NE	7.25	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.04	NE	31.00	NE	NE	
RW-C		0.0	NE	9.16	NE	35.00	NE	NE	
RW-A	5/29/09	645	NE	7.22	34.00	34.70	NE	0.7	10th DNAPL removal event
RW-B		2.4	NE	6.90	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.00	NE	31.00	NE	NE	
RW-C		0.4	NE	9.06	NE	35.00	NE	NE	
RW-A	6/26/09	475	NE	6.85	33.30	34.70	NE	1.4	11th DNAPL removal event
RW-B		0.0	NE	6.40	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.05	NE	31.00	NE	NE	
RW-C		0.0	NE	8.20	NE	35.00	NE	NE	
RW-A	7/31/09	NR	NE	7.15	33.50	34.70	NE	1.2	12th DNAPL removal event
RW-B		0.0	NE	7.00	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.60	NE	31.00	NE	NE	
RW-C		0.0	NE	8.79	NE	35.00	NE	NE	
RW-A	8/28/09	270	NE	7.30	33.75	34.70	NE	0.95	13th DNAPL removal event
RW-B		0.0	NE	7.18	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.90	NE	31.00	NE	NE	
RW-C		0.0	NE	8.98	NE	35.00	NE	NE	
RW-A	9/30/09	307	NE	7.45	34.00	34.70	NE	0.7	14th DNAPL removal event
RW-B		0.0	NE	7.23	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.95	NE	31.00	NE	NE	
RW-C		0.0	NE	9.02	NE	35.00	NE	NE	
RW-A	10/29/09	275	NE	6.55	33.90	34.70	NE	0.8	15th DNAPL removal event
RW-B		0.0	NE	6.61	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.80	NE	31.00	NE	NE	
RW-C		0.0	NE	8.83	NE	35.00	NE	NE	
RW-A	11/20/09	325	NE	7.05	34.10	34.70	NE	0.6	16th DNAPL removal event
RW-B		0.0	NE	7.03	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.00	NE	31.00	NE	NE	
RW-C		0.0	NE	9.02	NE	35.00	NE	NE	
RW-A	12/22/09	315	NE	7.35	34.70	34.70	NE	0	17th DNAPL removal event
RW-B		0.0	NE	7.30	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.18	NE	31.00	NE	NE	
RW-C		0.0	NE	9.20	NE	35.00	NE	NE	
RW-A	1/22/10	410	NE	7.40	34.30	34.70	NE	0.4	18th DNAPL removal event
RW-B		0.0	NE	7.47	NE	35.00	NE	NE	
RW-C2		0.0	NE	9.30	NE	31.00	NE	NE	
RW-C		0.0	NE	9.32	NE	35.00	NE	NE	

Monitoring Well	Date	PID Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			LNAPL	Water	DNAPL	Well	LNAPL	DNAPL	
RW-A	2/22/10	405	NE	6.65	34.10	34.70	NE	0.6	19th DNAPL removal event
RW-B		0.0	NE	6.70	NE	35.00	NE	NE	
RW-C2		0.0	NE	8.75	NE	31.00	NE	NE	
RW-C		0.0	NE	8.78	NE	35.00	NE	NE	
RW-A	3/26/10	1,256	NE	6.77	34.70	34.70	NE	0	20th DNAPL removal event
RW-B		0.0	NE	6.65	NE	37.61	NE	NE	
RW-C2		0.0	NE	8.16	NE	31.81	NE	NE	
RW-C		2.6	NE	8.38	NE	37.57	NE	NE	
RW-A	4/23/10	94	NE	7.20	34.29	34.70	NE	0.41	21st DNAPL removal event
RW-B		0.0	NE	6.95	NE	37.59	NE	NE	
RW-C2		0.0	NE	8.91	NE	31.86	NE	NE	
RW-C		0.0	NE	9.08	NE	37.57	NE	NE	
RW-A	5/21/10	392	NE	9.94	34.70	34.70	NE	0	22nd DNAPL removal event
RW-B		0.0	NE	10.70	NE	37.59	NE	NE	
RW-C2		0.0	NE	11.46	NE	31.83	NE	NE	
RW-C		0.0	NE	12.22	NE	37.58	NE	NE	
RW-A	6/25/10	134	NE	7.86	34.20	34.70	NE	0.5	23rd DNAPL removal event
RW-B		0.0	NE	7.06	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.98	NE	31.83	NE	NE	
RW-C		0.0	NE	9.16	NE	37.57	NE	NE	
RW-A	7/30/10	257	NE	7.43	33.25	34.70	NE	1.45	24th DNAPL removal event
RW-B		0.0	NE	7.31	NE	37.49	NE	NE	
RW-C2		0.0	NE	9.11	NE	31.77	NE	NE	
RW-C		0.0	NE	9.33	NE	37.47	NE	NE	
RW-A	8/27/10	165	NE	7.11	34.21	34.70	NE	0.49	25th DNAPL removal event
RW-B		0.0	NE	6.62	NE	34.54	NE	NE	
RW-C2		0.0	NE	8.15	NE	31.82	NE	NE	
RW-C		0.0	NE	8.44	NE	37.51	NE	NE	
RW-A	9/24/10	179	NE	7.50	34.70	34.70	NE	0	26th DNAPL removal event
RW-B		0.0	NE	7.20	NE	37.52	NE	NE	
RW-C2		0.0	NE	9.22	NE	31.80	NE	NE	
RW-C		0.0	NE	9.41	NE	37.50	NE	NE	
RW-A	10/29/10	0.0	NE	7.40	34.70	34.70	NE	0	27th DNAPL removal event
RW-B		0.0	NE	7.03	NE	37.52	NE	NE	
RW-C2		0.0	NE	9.10	NE	37.50	NE	NE	
RW-C		0.0	NE	9.31	NE	31.80	NE	NE	
RW-A	11/24/10	127.2	NE	7.42	34.67	34.70	NE	0.03	28th DNAPL removal event
RW-B		0.0	NE	7.04	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.14	NE	37.50	NE	NE	
RW-C	10/29/10	0.0	NE	9.34	NE	31.75	NE	NE	
RW-A	12/23/10	110.3	NE	7.34	34.50	34.70	NE	0.2	29th DNAPL removal event
RW-B		0.0	NE	7.45	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.00	NE	37.50	NE	NE	
RW-C		0.0	NE	9.16	NE	31.75	NE	NE	

Monitoring Well	Date	PID Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			LNAPL	Water	DNAPL	Well	LNAPL	DNAPL	
RW-A	1/31/11	749	NE	7.40	10.00*	34.70	NE	*	30th DNAPL removal event
RW-B		0.0	NE	7.11	NE	37.50	NE	NE	
RW-C2		0.0	NE	9.40	NE	37.50	NE	NE	
RW-C		0.0	NE	9.62	NE	31.75	NE	NE	
RW-A	4/29/11	51.5	NE	6.67	NE	34.70	NE	NE	31st DNAPL removal event
RW-B		0.0	NE	6.55	28.76*	37.50	NE	*	Grey sediment in bottom of bailer to confirm
RW-C2		1.4	NE	8.16	29.98*	37.50	NE	*	
RW-C		0.0	NE	8.43	31.13*	31.75	NE	*	
RW-A	7/29/11	3.2	NE	7.19	34.55	34.70	NE	0.15	32nd DNAPL removal event
RW-B		0.0	NE	6.87	NE	37.50	NE	NE	
RW-C2		0.0	NE	8.77	NE	37.50	NE	NE	
RW-C		0.0	NE	9.01	NE	31.75	NE	NE	
RW-A	10/28/11	147	NE	6.84	NE	34.70	NE	NE	33rd DNAPL removal event
RW-B		0.0	NE	6.60	NE	37.60	NE	NE	
RW-C2		0.0	NE	8.50	NE	31.80	NE	NE	
RW-C		0.0	NE	8.65	NE	37.50	NE	NE	
RW-A	1/27/12	432	NE	6.92	34.57	34.70	NE	0.13	34th DNAPL removal event
RW-B		0.0	NE	6.85	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.91	NE	31.81	NE	NE	
RW-C		0.0	NE	8.92	NE	37.44	NE	NE	
RW-A	4/2/12	426	NE	7.11	34.61	34.64	NE	0.03	35th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.62	NE	NE	
RW-C2		0.0	NE	9.06	NE	31.88	NE	NE	
RW-C		0.0	NE	9.27	NE	37.62	NE	NE	
RW-A	7/25/12	501	NE	7.15	34.55	34.70	NE	0.15	36th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.68	NE	NE	
RW-C2		0.0	NE	8.69	NE	31.91	NE	NE	
RW-C		0.0	NE	8.92	NE	37.57	NE	NE	
RW-A	11/15/12	861.4	NE	7.01	34.65	34.70	NE	0.05	37th DNAPL removal event
RW-B		0.0	NE	6.92	NE	37.68	NE	NE	
RW-C2		0.0	NE	8.56	NE	31.91	NE	NE	
RW-C		0.0	NE	8.82	NE	37.57	NE	NE	
RW-D		1,731	NE	2.86	35.68	41.37	NE	5.69	
RW-A	2/28/13	1,033	NE	6.54	34.67	34.70	NE	0.03	38th DNAPL removal event
RW-B		0.0	NE	6.48	NE	37.67	NE	NE	
RW-C2		0.0	NE	8.32	NE	31.92	NE	NE	
RW-C		0.0	NE	8.50	NE	37.57	NE	NE	
RW-D		1,579	NE	2.42	37.69	41.42	NE	3.73	
RW-A	5/31/13	120.8	NE	8.16	34.68	34.70	NE	0.02	39th DNAPL removal event
RW-B		0.0	NE	6.94	NE	37.71	NE	NE	
RW-C2		0.0	NE	8.49	NE	31.91	NE	NE	
RW-C		0.0	NE	8.82	NE	37.58	NE	NE	
RW-D		1,247	NE	3.14	38.81	41.42	NE	2.61	

TABLE 1
DNAPL GAUGING MEASUREMENTS

DRAFT

OPERABLE UNIT 3 DNAPL CCR
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Monitoring Well	Date	PID Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			LNAPL	Water	DNAPL	Well	LNAPL	DNAPL	
RW-A	8/30/13	Well Inaccessible							40th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		0.0	NE	8.91	NE	31.87	NE	NE	
RW-C		Well Inaccessible							
RW-D		1,242	NE	3.41	39.82	41.42	NE	1.60	
RW-A	11/26/13	118	NE	7.62	34.52	34.60	NE	0.08	41st DNAPL removal event
RW-B		0.0	NE	7.58	NE	37.49	NE	NE	
RW-C2		0.0	NE	9.82	NE	31.68	NE	NE	
RW-C		0.0	NE	9.98	NE	37.40	NE	NE	
RW-D		893	NE	3.76	39.45	41.42	NE	1.97	
RW-A	3/28/14	140	NE	7.76	34.70	35.32	NE	0.62	42nd DNAPL removal event
RW-B		0.0	NE	7.24	NE	36.67	NE	NE	
RW-C2		0.0	NE	9.35	NE	40.70	NE	NE	
RW-C		0.0	NE	9.08	NE	31.90	NE	NE	
RW-D		584	NE	3.33	39.96	41.49	NE	1.53	
RW-A	6/6/14	82.4	NE	7.21	34.72	35.12	NE	0.40	43rd DNAPL removal event
RW-B		0.0	NE	6.65	NE	37.82	NE	NE	
RW-C2		0.0	NE	8.91	NE	38.92	NE	NE	
RW-C		0.0	NE	8.67	NE	31.84	NE	NE	
RW-D		348	NE	3.12	39.61	41.77	NE	2.16	
RW-A	10/16/14	145	NE	6.89	Trace	34.71	NE	Trace	44th DNAPL removal event
RW-B		0.0	NE	6.88	NE	37.62	NE	NE	
RW-C2		0.0	NE	8.88	NE	31.53	NE	NE	
RW-C		0.0	NE	8.77	NE	31.84	NE	NE	
RW-D		1,145	NE	3.06	34.84	41.43	NE	6.59	
RW-A	12/18/14	78.5	NE	7.13	35.43	35.62	NE	0.19	45th DNAPL removal event
RW-B		0.0	NE	6.93	NE	37.85	NE	NE	
RW-C2		Well Inaccessible							
RW-C		0.0	NE	8.91	NE	31.85	NE	NE	
RW-D		141.0	NE	3.16	39.91	41.34	NE	1.43	
RW-A	3/19/15	65.7	NE	6.88	Trace	34.72	NE	Trace	46th DNAPL removal event
RW-B		0.0	NE	6.89	NE	37.57	NE	NE	
RW-C2		0.0	NE	8.85	NE	37.58	NE	NE	
RW-C		0.0	NE	8.67	NE	31.88	NE	NE	
RW-D		244.0	NE	2.93	40.81	41.52	NE	0.71	
RW-A	6/26/15	Well Inaccessible							47th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		Well Inaccessible							
RW-C		Well Inaccessible							
RW-D		437.1	NE	3.18	38.65	41.52	NE	2.87	
RW-A	9/24/15	504.3	NE	7.21	NE	35.21	NE	NE	48th DNAPL removal event
RW-B		Well Inaccessible							
RW-C2		0.0	NE	8.81	NE	37.70	NE	NE	
RW-C		0.0	NE	8.50	NE	31.96	NE	NE	
RW-D		789.3	NE	3.25	40.25	41.47	NE	1.22	

Monitoring Well	Date	PID Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			LNAPL	Water	DNAPL	Well	LNAPL	DNAPL	
RW-A	12/1/15	266.5	NE	7.18	Trace	35.21	NE	Trace	49th DNAPL removal event
RW-B		0.0	NE	7.00	NE	33.05	NE	NE	
RW-C2		0.0	NE	9.00	NE	37.70	NE	NE	
RW-C		0.0	NE	9.06	NE	31.96	NE	NE	
RW-D		378.1	NE	3.23	40.85	41.47	NE	0.62	
RW-A	3/22/16	66.5	NE	7.03	Trace	35.69	NE	Trace	50th DNAPL removal event
RW-B		0.0	NE	6.83	NE	38.94	NE	NE	
RW-C2		47.5	NE	8.80	NE	38.27	NE	NE	
RW-C		0.0	NE	9.64	NE	31.88	NE	NE	
RW-D		298.6	NE	8.51	NE	42.21	NE	NE	
RW-A	6/30/16	2.4	NE	5.41	NE	34.41	NE	NE	51st DNAPL removal event
RW-B		0.2	NE	6.61	NE	38.91	NE	NE	
RW-C2		0.0	NE	8.96	NE	38.00	NE	NE	
RW-C		0.0	NE	7.03	NE	29.63	NE	NE	
RW-D		89.6	NE	22.36	41.23	41.80	NE	0.57	
RW-A	9/29/16	3.8	NE	5.22	Trace	32.25	NE	Trace	52nd DNAPL removal event
RW-B		0.3	NE	6.61	NE	32.41	NE	NE	
RW-C2		Well Inaccessible							
RW-C		0.4	NE	10.20	NE	29.91	NE	NE	
RW-D		386.0	NE	24.64	41.20	41.47	NE	0.27	
RW-A	3/29/17	0.0	NE	8.12	NE	29.55	NE	NE	53rd DNAPL removal event
RW-B		0.0	NE	10.83	NE	38.00	NE	NE	
RW-C2		0.0	NE	8.70	NE	38.00	NE	NE	
RW-C		Well Inaccessible							
RW-D		62.4	NE	4.32	41.28	41.86	NE	0.58	
RW-A	6/22/17	Well Inaccessible							54th DNAPL removal event
RW-B		1.5	NE	10.90	NE	36.61	NE	NE	
RW-C2		0.5	NE	9.68	NE	38.09	NE	NE	
RW-C		2.7	NE	6.86	NE	29.92	NE	NE	
RW-D		185.0	NE	6.33	NE	41.40	NE	NE	
RW-A	10/5/17	3.0	NE	5.51	NE	31.90	NE	NE	55th DNAPL removal event
RW-B		0.0	NE	10.85	NE	36.60	NE	NE	
RW-C2		0.0	NE	9.68	NE	38.09	NE	NE	
RW-C		0.0	NE	6.80	NE	29.92	NE	NE	
RW-D		121.1	NE	4.75	NE	41.40	NE	NE	
RW-A	4/12/18	32.3	NE	5.29	NE	33.10	NE	NE	56th DNAPL removal event
RW-B		0.0	NE	10.88	NE	38.45	NE	NE	
RW-C2		0.0	NE	8.77	NE	39.22	NE	NE	
RW-C		0.8	NE	6.79	NE	30.37	NE	NE	
RW-D		350.2	NE	2.71	NE	43.54	NE	NE	
RW-A	7/6/18	0.1	NE	5.21	NE	32.79	NE	NE	57th DNAPL removal event
RW-B		0.0	NE	10.88	NE	36.45	NE	NE	
RW-C2		3.8	NE	8.63	NE	37.17	NE	NE	
RW-C		13.6	NE	6.46	NE	29.91	NE	NE	
RW-D		380.3	NE	2.74	NE	41.60	NE	NE	
RW-A	10/5/18	3.7	NE	5.21	NE	32.79	NE	Trace	57th DNAPL removal event
RW-B		0.0	NE	10.34	NE	38.45	NE	NE	
RW-C2		0.0	NE	8.63	NE	38.09	NE	NE	
RW-C		0.0	NE	5.91	NE	30.09	NE	NE	
RW-D		14.7	NE	3.71	NE	41.48	NE	Trace	
RW-A		7.5	NE	4.71	NE	34.74	NE	Trace	

Monitoring Well	Date	PID Reading (ppm)	Depth (feet)				Thickness (feet)		Comments
			LNAPL	Water	DNAPL	Well	LNAPL	DNAPL	
RW-B	11/28/18	0.0	NE	10.41	NE	34.36	NE	NE	57th DNAPL removal event
RW-C2		0.0	NE	7.75	NE	41.00	NE	NE	
RW-C		0.0	NE	6.05	NE	30.41	NE	NE	
RW-D		815.6	NE	2.70	NE	43.26	NE	Trace	
RW-A	3/21/19	23.5	NE	4.92	NE	34.15	NE	Trace	58th DNAPL removal event
RW-B		0.0	NE	6.63	NE	33.11	NE	NE	
RW-C2		0.0	NE	8.71	NE	43.35	NE	NE	
RW-C		0.0	NE	6.70	NE	30.24	NE	NE	
RW-D		870.4	NE	2.62	NE	43.35	NE	Trace	

Notes:
1. Depths measured in feet below the top of the well casing.
2. PID = photoionization detector.
3. ppm = parts per million.
4. LNAPL = light non-aqueous phase liquid.
5. DNAPL = dense non-aqueous phase liquid.
6. NAPL = non-aqueous phase liquid.
7. * False positive reading. Could not confirm depth or thickness of DNAPL
8. NE = not encountered.
9. NM = not measured.
10. NR = not recorded.
11. Measuring points and/or surface completions were modified by Harbor Square construction activities as identified below.
    - MW-A was refinished as a flushmount well as observed during the 6/30/16 evacuation event.
    - MW-B groundsurface elevation raised and a protective PVC casing was observed during the 3/22/16 evacuation event.
    - MW-C was refinished as a flushmount well as observed during the 6/30/16 evacuation event.
    - MW-D groundsurface elevation was raised and a new surface completion was observed during the 6/30/16 evacuation event.

TABLE 2
RW-A DNAPL ACCUMULATION DATA

OPERABLE UNIT 3 DNAPL CCR
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
0	10/7/08	9:10	28.70	0.00	5.97	Initial Gauging		
1	10/7/08	10:10	ND	0.10	0	Well evacuation complete	500	15.6
1	10/7/08	10:20	34.67	0.17	0	Depth difficult to confirm due to turbulent flow		
1	10/7/08	10:30	34.67	0.33	0	Depth difficult to confirm due to turbulent flow		
1	10/7/08	10:40	34.67	0.50	0	Depth difficult to confirm due to turbulent flow		
1	10/7/08	10:50	34.67	0.67	0	Depth difficult to confirm due to turbulent flow		
1	10/7/08	11:00	34.67	0.83	0	Depth difficult to confirm due to turbulent flow		
1	10/7/08	11:10	34.67	1.00	0	Depth difficult to confirm due to turbulent flow		
1	10/7/08	11:20	34.67	1.17	0	Depth difficult to confirm due to turbulent flow		
1	10/7/08	11:30	34.66	1.33	0.01			
1	10/7/08	11:40	34.64	1.50	0.03			
1	10/7/08	11:50	34.60	1.67	0.07			
1	10/7/08	12:00	34.60	1.83	0.07			
1	10/7/08	12:30	34.60	2.33	0.07			
1	10/7/08	13:00	34.20	2.83	0.47			
1	10/7/08	13:30	34.20	3.33	0.47			
1	10/7/08	14:00	34.18	3.83	0.49			
1	10/7/08	14:30	34.18	4.33	0.49			
1	10/7/08	15:00	34.18	4.83	0.49			
1	10/7/08	15:30	34.18	5.33	0.49			
1	10/8/08	14:22	33.60	28.20	1.07			
1	10/9/08	9:35	33.45	47.42	1.22			
1	10/13/08	8:50	33.70	142.67	0.97			
1	10/20/08	10:38	33.60	312.47	1.07			
1	11/3/08	10:00	33.81	647.83	0.86	1st well evacuation		
2	11/3/08	12:10	ND	0.00	0	Well evacuation complete	265	2.2
2	11/3/08	12:24	34.67	0.23	0	Depth difficult to confirm due to turbulent flow		
2	11/3/08	12:42	34.67	0.53	0	Depth difficult to confirm due to turbulent flow		
2	11/3/08	12:50	34.67	0.67	0	Depth difficult to confirm due to turbulent flow		
2	11/3/08	12:55	34.67	0.75	0	Depth difficult to confirm due to turbulent flow		
2	11/3/08	13:00	34.67	0.83	0	Depth difficult to confirm due to turbulent flow		
2	11/3/08	13:15	34.50	1.08	0.17			
2	11/3/08	13:30	34.30	1.33	0.37			
2	11/3/08	14:00	34.00	1.83	0.67			
2	11/17/08	9:15	33.85	333.08	0.82			
2	12/3/08	9:05	33.35	716.92	1.32	1st well evacuation		
3	12/3/08	9:57	ND	0.00	0	Well evacuation complete	300	3.4
3	12/3/08	10:02	34.67	0.08	0	Depth difficult to confirm due to turbulent flow		
3	12/3/08	10:07	34.65	0.17	0.02			
3	12/3/08	10:12	34.56	0.25	0.11			
3	12/3/08	10:17	34.56	0.33	0.11			
3	12/3/08	10:23	34.56	0.43	0.11			
3	12/3/08	10:28	34.50	0.52	0.17			
3	12/3/08	10:33	34.50	0.60	0.17			
3	12/3/08	10:43	34.45	0.77	0.22			
3	12/3/08	10:53	34.45	0.93	0.22			
3	12/3/08	11:03	34.45	1.10	0.22			
3	12/3/08	11:13	34.40	1.27	0.27			
3	12/3/08	11:23	34.30	1.43	0.37			
3	12/3/08	11:33	34.30	1.60	0.37			
3	12/3/08	12:03	34.30	2.10	0.37			
3	12/3/08	12:33	34.30	2.60	0.37			
3	12/3/08	13:03	34.30	3.10	0.37			

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
3	12/3/08	13:33	34.30	3.60	0.37			
3	12/3/08	14:00	33.40	4.05	1.27			
3	12/3/08	14:30	33.40	4.55	1.27			
3	12/3/08	15:00	33.40	5.05	1.27			
3	12/10/08	15:40	33.49	173.72	1.18			
3	12/15/08	8:30	33.45	286.55	1.22	1st well evacuation		
4a	12/15/08	9:17	ND	0.00	0	Well evacuation complete		3.2
4a	12/15/08	9:37	33.68	0.33	0.99	2nd well evacuation		
4b	12/15/08	9:47	ND	0.00	0	Well evacuation complete		2.6
4b	12/15/08	10:17	33.89	0.50	0.78	3rd well evacuation		
4c	12/15/08	10:33	ND	0.00	0	Well evacuation complete	490	2.0
4c	12/15/08	10:43	34.50	0.17	0.17			
4c	12/15/08	10:53	34.40	0.33	0.27			
4c	12/15/08	11:03	34.40	0.50	0.27			
4c	12/15/08	11:13	34.40	0.67	0.27			
4c	12/15/08	11:23	34.40	0.83	0.27			
4c	12/15/08	11:33	34.45	1.00	0.22			
4c	12/15/08	11:43	34.28	1.17	0.39			
4c	12/15/08	11:53	34.19	1.33	0.48			
4c	12/15/08	12:03	34.10	1.50	0.57			
4c	12/15/08	12:23	34.06	1.83	0.61			
4c	12/15/08	12:43	33.95	2.17	0.72			
4c	12/15/08	13:03	33.89	2.50	0.78			
4c	12/15/08	13:33	33.89	3.00	0.78			
4c	12/15/08	14:03	33.89	3.50	0.78			
4c	12/15/08	14:33	33.89	4.00	0.78			
4c	12/15/08	15:03	33.89	4.50	0.78			
4c	12/29/08	8:05	33.35	333.53	1.32	1st well evacuation		
5a	12/29/08	8:20	ND	0.00	0	Well evacuation complete		3.4
5a	12/29/08	8:25	ND	0.08	0			
5a	12/29/08	8:30	34.50	0.17	0.17			
5a	12/29/08	8:35	34.50	0.25	0.17			
5a	12/29/08	8:40	34.50	0.33	0.17			
5a	12/29/08	8:45	34.08	0.42	0.59			
5a	12/29/08	8:50	34.05	0.50	0.62			
5a	12/29/08	8:55	34.05	0.58	0.62	2nd well evacuation		
5b	12/29/08	9:10	ND	0.00	0	Well evacuation complete	165	1.6
5b	12/29/08	9:15	ND	0.08	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	9:20	ND	0.17	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	9:25	ND	0.25	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	9:30	34.67	0.33	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	9:35	34.67	0.42	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	9:45	34.67	0.58	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	10:05	34.67	0.92	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	10:15	34.67	1.08	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	10:25	34.67	1.25	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	10:35	34.67	1.42	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	10:45	34.67	1.58	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	10:55	34.67	1.75	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	12:00	34.67	2.83	0	Depth difficult to confirm due to turbulent flow		
5b	12/29/08	13:00	34.20	3.83	0.47			
5b	12/29/08	13:30	34.20	4.33	0.47			
5b	12/29/08	14:00	34.20	4.83	0.47			

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
5b	12/29/08	14:30	34.20	5.33	0.47			
5b	12/29/08	15:00	34.20	5.83	0.47			
5b	12/29/08	15:30	34.20	6.33	0.47			
5b	12/30/08	16:15	33.20	31.08	1.47			
5b	1/5/09	8:45	33.79	167.58	0.88	1st well evacuation		
6a	1/5/09	8:56	ND	0.00	0	Well evacuation complete		2.3
6a	1/5/09	9:00	ND	0.07	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	9:05	ND	0.15	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	9:10	ND	0.23	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	9:15	ND	0.32	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	9:25	ND	0.48	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	9:30	ND	0.57	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	9:35	ND	0.65	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	9:45	34.67	0.82	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	9:55	34.67	0.98	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	10:05	34.67	1.15	0	Depth difficult to confirm due to turbulent flow		
6a	1/5/09	10:20	34.60	1.40	0.07			
6a	1/5/09	10:40	34.50	1.73	0.17			
6a	1/5/09	10:50	34.50	1.90	0.17	2nd well evacuation		
6b	1/5/09	11:30	ND	0.00	0	Well evacuation complete	390	0.4
6b	1/5/09	11:40	ND	0.17	0	Depth difficult to confirm due to turbulent flow		
6b	1/5/09	11:50	ND	0.33	0	Depth difficult to confirm due to turbulent flow		
6b	1/5/09	12:00	ND	0.50	0	Depth difficult to confirm due to turbulent flow		
6b	1/5/09	12:20	34.67	0.83	0	Depth difficult to confirm due to turbulent flow		
6b	1/5/09	12:30	34.50	1.00	0.17			
6b	1/5/09	12:40	34.40	1.17	0.27			
6b	1/5/09	12:50	34.30	1.33	0.37			
6b	1/5/09	13:00	34.30	1.50	0.37			
6b	1/5/09	13:10	34.30	1.67	0.37			
6b	1/5/09	13:20	34.30	1.83	0.37			
6b	1/5/09	13:50	34.30	2.33	0.37			
6b	1/5/09	14:20	34.10	2.83	0.57			
6b	1/5/09	14:50	34.05	3.33	0.62			
6b	1/5/09	15:20	34.05	3.83	0.62	Total volume removed 390 gallons		
6b	2/24/09	10:00	33.95	1198.50	0.72	1st well evacuation		
7a	2/24/09	10:10	ND	0.00	0	Well evacuation complete		1.9
7a	2/24/09	10:15	ND	0.08	0	Depth difficult to confirm due to turbulent flow		
7a	2/24/09	10:25	ND	0.25	0	Depth difficult to confirm due to turbulent flow		
7a	2/24/09	10:35	ND	0.42	0	Depth difficult to confirm due to turbulent flow		
7a	2/24/09	10:45	34.65	0.58	0.02			
7a	2/24/09	10:55	34.51	0.75	0.16	2nd well evacuation		
7b	2/24/09	11:00	ND	0.00	0	Well evacuation complete	377	0.4
7b	2/24/09	11:21	ND	0.35	0			
7b	2/24/09	11:31	ND	0.52	0	Depth difficult to confirm due to turbulent flow		
7b	2/24/09	11:40	ND	0.67	0	Depth difficult to confirm due to turbulent flow		
7b	2/24/09	11:41	ND	0.68	0	Depth difficult to confirm due to turbulent flow		
7b	2/24/09	11:51	ND	0.85	0	Depth difficult to confirm due to turbulent flow		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
7b	2/24/09	12:01	34.66	1.02	0.01			
7b	2/24/09	12:11	34.49	1.18	0.18			
7b	2/24/09	12:21	34.45	1.35	0.22			
7b	2/24/09	12:50	34.40	1.83	0.27			
7b	2/24/09	13:20	34.40	2.33	0.27			
7b	2/24/09	13:50	34.40	2.83	0.27			
7b	2/24/09	14:20	34.35	3.33	0.32			
7b	2/24/09	14:50	34.35	3.83	0.32			
7b	3/27/09	8:15	33.30	741.25	1.37	1st well evacuation 8:30 to 8:40		
8a	3/27/09	8:40	ND	0.00	0	Well evacuation complete		3.6
8a	3/27/09	8:45	ND	0.08	0	Depth difficult to confirm due to turbulent flow		
8a	3/27/09	8:55	ND	0.25	0	Depth difficult to confirm due to turbulent flow		
8a	3/27/09	9:05	34.35	0.42	0.32			
8a	3/27/09	9:15	34.20	0.58	0.47	2nd well evacuation 9:20 to 9:30		
8b	3/27/09	9:32	ND	0.03	0	Well evacuation complete. Depth difficult to confirm due to turbulent flow		1.2
8b	3/27/09	9:37	34.65	0.12	0.02			
8b	3/27/09	9:47	34.61	0.28	0.06			
8b	3/27/09	9:57	34.40	0.45	0.27			
8b	3/27/09	10:07	34.38	0.62	0.29	3rd well evacuation 10:10 to 10:20		
8c	3/27/09	10:22	ND	0.03	0	Well evacuation complete. Depth difficult to confirm due to turbulent flow		0.8
8c	3/27/09	10:32	34.01	0.20	0.66			
8c	3/27/09	10:42	32.85	0.37	1.82	False-positive due to floating oil		
8c	3/27/09	10:52	32.81	0.53	1.86	False positive reading. 3rd well evacuation 10:55 to 11:05		
8d	3/27/09	11:08	ND	0.05	0	Well evacuation complete		
8d	3/27/09	11:18	34.38	0.22	0.29			
8d	3/27/09	11:28	34.31	0.38	0.36			
8d	3/27/09	11:38	34.11	0.55	0.56	4th well evacuation 11:40 to 11:50		
8e	3/27/09	11:55	ND	0.08	0	Well evacuation complete	633	1.5
8e	3/27/09	12:05	ND	0.25	0	Depth difficult to confirm due to turbulent flow		
8e	3/27/09	12:15	34.61	0.42	0.06			
8e	3/27/09	12:25	34.52	0.58	0.15			
8e	3/27/09	12:35	34.50	0.75	0.17			
8e	3/27/09	12:45	34.50	0.92	0.17			
8e	3/27/09	12:55	34.50	1.08	0.17			
8e	3/27/09	13:15	34.45	1.42	0.22			
8e	3/27/09	13:35	34.45	1.75	0.22			
8e	3/27/09	13:55	34.35	2.08	0.32			
8e	3/27/09	14:20	34.11	2.50	0.56			
8e	3/27/09	14:40	33.90	2.83	0.77			
8e	3/27/09	15:00	33.90	3.17	0.77			
8e	4/27/09	8:23	33.34	740.55	1.33	1st well evacuation 8:25 to 8:35		
9a	4/27/09	8:35	ND	0.00	0	Well evacuation complete		3.5
9a	4/27/09	8:40	ND	0.08	0	Depth difficult to confirm due to turbulent flow		
9a	4/27/09	8:50	ND	0.25	0	Depth difficult to confirm due to turbulent flow		
9a	4/27/09	9:02	ND	0.45	0	2nd well evacuation 9:02 to 9:15		
9b	4/27/09	9:15	ND	0.00	0	Well evacuation complete		0.0
9b	4/27/09	9:25	34.60	0.17	0.07			
9b	4/27/09	9:35	34.60	0.33	0.07			
9b	4/27/09	9:45	34.60	0.50	0.07	3rd well evacuation 9:50 to 10:00		
9c	4/27/09	10:00	ND	0.00	0	Well evacuation complete		0.2
9c	4/27/09	10:05	ND	0.08	0	Depth difficult to confirm due to turbulent flow		
9c	4/27/09	10:10	34.60	0.17	0.07	Depth difficult to confirm due to turbulent flow		
9c	4/27/09	10:20	34.60	0.33	0.07			
9c	4/27/09	10:30	34.20	0.50	0.47	4th well evacuation 10:31 to 10:43		
9d	4/27/09	10:43	ND	0.00	0	Well evacuation complete		1.2
9d	4/27/09	10:50	34.60	0.12	0.07			
9d	4/27/09	11:00	34.60	0.28	0.07			
9d	4/27/09	11:10	34.30	0.45	0.37			
9d	4/27/09	11:20	34.30	0.62	0.37	5th well evacuation 11:22 to 11:31		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
9e	4/27/09	11:31	ND	0.00	0	Well evacuation complete	470	1.0
9e	4/27/09	11:36	ND	0.08	0	Depth difficult to confirm due to turbulent flow		
9e	4/27/09	11:45	34.60	0.23	0.07			
9e	4/27/09	11:55	34.55	0.40	0.12			
9e	4/27/09	12:15	34.35	0.73	0.32			
9e	4/27/09	12:25	34.35	0.90	0.32			
9e	4/27/09	12:35	34.30	1.07	0.37			
9e	4/27/09	12:55	34.30	1.40	0.37			
9e	4/27/09	13:15	34.30	1.73	0.37			
9e	4/27/09	13:35	34.30	2.07	0.37			
9e	4/27/09	14:15	34.28	2.73	0.39			
9e	4/27/09	14:35	34.28	3.07	0.39			
9e	4/27/09	14:55	34.28	3.40	0.39			
9e	5/29/09	8:55	34.00	765.40	0.67	1st well evacuation from 8:55 to 9:01		
10a	5/29/09	9:01	ND	0.00	0	Well evacuation complete		1.7
10a	5/29/09	9:04	ND	0.05	0			
10a	5/29/09	9:07	ND	0.10	0			
10a	5/29/09	9:12	ND	0.18	0			
10a	5/29/09	9:16	ND	0.25	0			
10a	5/29/09	9:20	ND	0.32	0			
10a	5/29/09	9:25	ND	0.40	0			
10a	5/29/09	9:30	ND	0.48	0			
10a	5/29/09	9:33	ND	0.53	0	2nd well evacuation 9:34 to 9:42		
10b	5/29/09	9:44	ND	0.03	0	Well evacuation complete		0.0
10b	5/29/09	9:46	ND	0.07	0			
10b	5/29/09	9:48	ND	0.10	0			
10b	5/29/09	9:52	ND	0.17	0			
10b	5/29/09	9:55	ND	0.22	0			
10b	5/29/09	9:58	ND	0.27	0			
10b	5/29/09	10:01	ND	0.32	0			
10b	5/29/09	10:04	ND	0.37	0	3rd well evacuation 10:09 to 10:15		
10c	5/29/09	10:16	ND	0.02	0	Well evacuation complete		0.0
10c	5/29/09	10:20	ND	0.08	0			
10c	5/29/09	10:24	ND	0.15	0			
10c	5/29/09	10:27	ND	0.20	0			
10c	5/29/09	10:31	ND	0.27	0			
10c	5/29/09	10:34	ND	0.32	0			
10c	5/29/09	10:39	34.60	0.40	0.07	4th well evacuation 10:44 to 10:51		
10d	5/29/09	10:53	ND	0.03	0	Well evacuation complete		0.2
10d	5/29/09	10:57	ND	0.10	0			
10d	5/29/09	11:04	ND	0.22	0			
10d	5/29/09	11:08	ND	0.28	0			
10d	5/29/09	11:13	ND	0.37	0			
10d	5/29/09	11:18	ND	0.45	0			
10d	5/29/09	11:23	34.60	0.53	0.07	5th well evacuation 11:25 to 11:33		
10e	5/29/09	11:40	ND	0.12	0	Well evacuation complete	662	0.2
10e	5/29/09	11:50	ND	0.28	0			
10e	5/29/09	12:05	34.60	0.53	0.07			
10e	5/29/09	12:20	34.50	0.78	0.17			
10e	5/29/09	12:35	34.50	1.03	0.17			
10e	5/29/09	12:50	34.50	1.28	0.17			
10e	5/29/09	13:05	34.50	1.53	0.17			
10e	5/29/09	13:20	34.50	1.78	0.17			
10e	5/29/09	13:35	34.50	2.03	0.17			
10e	5/29/09	13:50	34.45	2.28	0.22			
10e	5/29/09	14:05	34.45	2.53	0.22			
10e	6/12/09	9:37	33.25	334.07	1.42			
10e	6/26/09	8:22	33.30	668.82	1.37	1st well evacuation from 8:23 to 8:38		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
11a	6/26/09	8:38	ND	0.02	0	Well evacuation complete		3.6
11a	6/26/09	8:43	ND	0.10	0			
11a	6/26/09	8:48	ND	0.18	0			
11a	6/26/09	8:53	ND	0.27	0			
11a	6/26/09	9:03	ND	0.43	0			
11a	6/26/09	9:08	ND	0.52	0			
11a	6/26/09	9:13	ND	0.60	0			
11a	6/26/09	9:18	ND	0.68	0			
11a	6/26/09	9:23	ND	0.77	0	2nd well evacuation from 9:27 to 9:40		
11b	6/26/09	9:40	ND	0.02	0	Well evacuation complete		0.0
11b	6/26/09	9:45	ND	0.10	0			
11b	6/26/09	9:50	ND	0.18	0			
11b	6/26/09	9:55	ND	0.27	0			
11b	6/26/09	10:00	34.60	0.35	0.07			
11b	6/26/09	10:05	34.60	0.43	0.07			
11b	6/26/09	10:10	34.60	0.52	0.07			
11b	6/26/09	10:15	34.60	0.60	0.07	3rd well evacuation from 10:18 to 10:28		
11c	6/26/09	10:30	ND	0.03	0	Well evacuation complete		0.2
11c	6/26/09	10:35	34.60	0.12	0.07			
11c	6/26/09	10:40	34.60	0.20	0.07			
11c	6/26/09	10:45	34.60	0.28	0.07			
11c	6/26/09	10:50	34.60	0.37	0.07			
11c	6/26/09	10:55	34.60	0.45	0.07			
11c	6/26/09	11:00	34.50	0.53	0.17			
11c	6/26/09	11:05	34.50	0.62	0.17			
11c	6/26/09	11:10	34.50	0.70	0.17	4th well evacuation from 11:13 to 11:19		
11d	6/26/09	11:20	ND	0.02	0	Well evacuation complete	576	0.4
11d	6/26/09	11:25	34.60	0.10	0.07			
11d	6/26/09	11:30	34.60	0.18	0.07			
11d	6/26/09	11:35	34.60	0.27	0.07			
11d	6/26/09	11:40	34.60	0.35	0.07			
11d	6/26/09	11:45	34.60	0.43	0.07			
11d	6/26/09	11:50	34.55	0.52	0.12			
11d	6/26/09	11:55	34.55	0.60	0.12			
11d	6/26/09	12:00	34.55	0.68	0.12			
11d	6/26/09	12:15	34.50	0.93	0.17			
11d	6/26/09	12:30	34.50	1.18	0.17			
11d	6/26/09	12:45	34.50	1.43	0.17			
11d	6/26/09	13:00	34.50	1.68	0.17			
11d	6/26/09	13:15	34.50	1.93	0.17			
11d	6/26/09	13:30	34.50	2.18	0.17			
11d	6/26/09	13:45	34.45	2.43	0.22			
11d	6/26/09	14:00	34.45	2.68	0.22			
11d	7/31/09	8:54	33.30	837.58	1.37	1st well evacuation from 8:54 to 9:08		
12a	7/31/09	9:08	ND	0.00	0	Well evacuation complete		3.6
12a	7/31/09	9:13	ND	0.08	0			
12a	7/31/09	9:18	ND	0.17	0			
12a	7/31/09	9:23	ND	0.25	0			
12a	7/31/09	9:28	ND	0.33	0			
12a	7/31/09	9:33	ND	0.42	0			
12a	7/31/09	9:38	ND	0.50	0			
12a	7/31/09	9:43	ND	0.58	0	2nd well evacuation from 9:45 to 9:59		
12b	7/31/09	10:00	ND	0.02	0	Well evacuation complete		0.0
12b	7/31/09	10:05	ND	0.10	0			
12b	7/31/09	10:10	ND	0.18	0			
12b	7/31/09	10:15	ND	0.27	0			
12b	7/31/09	10:20	ND	0.35	0			
12b	7/31/09	10:25	ND	0.43	0			
12b	7/31/09	10:30	ND	0.52	0			
12b	7/31/09	10:35	34.65	0.60	0.02	3rd well evacuation from 10:38 to 10:49		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
12c	7/31/09	10:50	ND	0.02	0	Well evacuation complete		0.1
12c	7/31/09	10:55	ND	0.10	0			
12c	7/31/09	11:00	34.60	0.18	0.07			
12c	7/31/09	11:05	34.60	0.27	0.07			
12c	7/31/09	11:10	34.60	0.35	0.07			
12c	7/31/09	11:15	34.60	0.43	0.07			
12c	7/31/09	11:20	34.55	0.52	0.12			
12c	7/31/09	11:25	34.55	0.60	0.12			
12c	7/31/09	11:30	34.55	0.68	0.12	4th well evacuation from 11:32 to 11:41		
12d	7/31/09	11:42	ND	0.02	0	Well evacuation complete	595	0.3
12d	7/31/09	11:47	ND	0.10	0			
12d	7/31/09	11:52	34.60	0.18	0.07			
12d	7/31/09	11:57	34.60	0.27	0.07			
12d	7/31/09	12:02	34.60	0.35	0.07			
12d	7/31/09	12:15	34.60	0.57	0.07			
12d	7/31/09	12:30	34.55	0.82	0.12			
12d	7/31/09	12:45	34.55	1.07	0.12			
12d	7/31/09	13:00	34.55	1.32	0.12			
12d	7/31/09	13:15	34.55	1.57	0.12			
12d	7/31/09	13:30	34.55	1.82	0.12			
12d	7/31/09	13:45	34.50	2.07	0.17			
12d	7/31/09	14:00	34.50	2.32	0.17			
12d	8/28/09	8:09	33.75	668.47	0.92	1st well evacuation from 8:10 to 8:17		
13a	8/28/09	8:18	ND	0.02	0	Well evacuation complete		2.4
13a	8/28/09	8:23	ND	0.10	0			
13a	8/28/09	8:28	ND	0.18	0			
13a	8/28/09	8:33	ND	0.27	0			
13a	8/28/09	8:38	ND	0.35	0			
13a	8/28/09	8:43	ND	0.43	0			
13a	8/28/09	8:48	ND	0.52	0			
13a	8/28/09	8:53	ND	0.60	0			
13a	8/28/09	8:58	ND	0.68	0	2nd well evacuation from 9:00 to 9:07		
13b	8/28/09	9:08	ND	0.02	0	Well evacuation complete		0.0
13b	8/28/09	9:13	ND	0.10	0			
13b	8/28/09	9:18	ND	0.18	0			
13b	8/28/09	9:23	ND	0.27	0			
13b	8/28/09	9:28	ND	0.35	0			
13b	8/28/09	9:33	ND	0.43	0			
13b	8/28/09	9:38	ND	0.52	0			
13b	8/28/09	9:43	ND	0.60	0			
13b	8/28/09	9:48	ND	0.68	0	3rd well evacuation from 9:51 to 9:59		
13c	8/28/09	10:00	ND	0.02	0	Well evacuation complete		0.0
13c	8/28/09	10:05	34.60	0.10	0.07			
13c	8/28/09	10:10	34.60	0.18	0.07			
13c	8/28/09	10:15	34.60	0.27	0.07			
13c	8/28/09	10:20	34.60	0.35	0.07			
13c	8/28/09	10:25	34.55	0.43	0.12			
13c	8/28/09	10:30	34.55	0.52	0.12			
13c	8/28/09	10:35	34.55	0.60	0.12			
13c	8/28/09	10:40	34.55	0.68	0.12			
13c	8/28/09	10:45	34.55	0.77	0.12	4th well evacuation from 10:47 to 10:52		
13d	8/28/09	10:53	34.60	0.02	0.07	Well evacuation complete	655	0.3
13d	8/28/09	10:58	34.60	0.10	0.07			
13d	8/28/09	11:03	34.60	0.18	0.07			
13d	8/28/09	11:08	34.55	0.27	0.12			
13d	8/28/09	11:13	34.55	0.35	0.12			
13d	8/28/09	11:18	34.50	0.43	0.17			
13d	8/28/09	11:23	34.50	0.52	0.17			
13d	8/28/09	11:28	34.30	0.60	0.37			
13d	8/28/09	11:33	34.25	0.68	0.42			
13d	8/28/09	11:45	34.25	0.88	0.42			
13d	8/28/09	12:00	34.20	1.13	0.47			
13d	8/28/09	12:15	34.20	1.38	0.47			
13d	8/28/09	12:30	34.20	1.63	0.47			
13d	8/28/09	12:45	34.15	1.88	0.52			
13d	8/28/09	13:00	34.15	2.13	0.52			

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
13d	8/28/09	13:15	34.15	2.38	0.52			
13d	8/28/09	13:30	34.15	2.63	0.52			
13d	8/28/09	13:45	34.15	2.88	0.52			
13d	9/30/09	8:15	34.00	789.38	0.7	1st well evacuation from 8:28 to 8:39		
14a	9/30/09	8:40	NM	0.02	0	Well evacuation complete		1.8
14a	9/30/09	8:45	NM	0.10	0			
14a	9/30/09	8:50	34.65	0.18	0.05			
14a	9/30/09	8:55	34.65	0.27	0.05			
14a	9/30/09	9:00	34.65	0.35	0.05			
14a	9/30/09	9:05	34.65	0.43	0.05			
14a	9/30/09	9:10	34.65	0.52	0.05			
14a	9/30/09	9:15	34.65	0.60	0.05			
14a	9/30/09	9:20	34.65	0.68	0.05	2nd well evacuation from 9:21 to 9:28		
14b	9/30/09	9:28	NM	0.00	0	Well evacuation complete		0.1
14b	9/30/09	9:33	NM	0.08	0			
14b	9/30/09	9:38	34.65	0.17	0.05			
14b	9/30/09	9:43	34.65	0.25	0.05			
14b	9/30/09	9:48	34.65	0.33	0.05			
14b	9/30/09	9:53	34.60	0.42	0.1			
14b	9/30/09	9:58	34.60	0.50	0.1			
14b	9/30/09	10:03	34.60	0.58	0.1			
14b	9/30/09	10:08	34.60	0.67	0.1	3rd well evacuation from 10:09 to 10:17		
14c	9/30/09	10:18	NM	0.02	0	Well evacuation complete		0.0
14c	9/30/09	10:23	34.65	0.10	0.05			
14c	9/30/09	10:28	34.65	0.18	0.05			
14c	9/30/09	10:33	34.60	0.27	0.1			
14c	9/30/09	10:38	34.60	0.35	0.1			
14c	9/30/09	10:43	34.60	0.43	0.1			
14c	9/30/09	10:48	34.60	0.52	0.1			
14c	9/30/09	10:53	34.55	0.60	0.15			
14c	9/30/09	10:58	34.55	0.68	0.15			
14c	9/30/09	11:03	34.55	0.77	0.15	4th well evacuation from 11:04 to 11:10		
14d	9/30/09	11:10	34.65	0.01	0.05	Well evacuation complete	550	0.4
14d	9/30/09	11:15	34.60	0.08	0.1			
14d	9/30/09	11:20	34.60	0.17	0.1			
14d	9/30/09	11:25	34.55	0.25	0.15			
14d	9/30/09	11:30	34.55	0.33	0.15			
14d	9/30/09	11:35	34.55	0.42	0.15			
14d	9/30/09	11:40	34.55	0.50	0.15			
14d	9/30/09	11:45	34.55	0.58	0.15			
14d	9/30/09	12:00	34.50	0.83	0.2			
14d	9/30/09	12:15	34.45	1.08	0.25			
14d	9/30/09	12:30	34.45	1.33	0.25			
14d	9/30/09	12:45	34.45	1.58	0.25			
14d	9/30/09	13:00	34.45	1.83	0.25			
14d	9/30/09	13:15	34.45	2.08	0.25			
14d	9/30/09	13:30	34.45	2.33	0.25			
14d	9/30/09	13:45	34.45	2.58	0.25			
14d	9/30/09	14:00	34.45	2.83	0.25			
14d	10/29/09	8:08	33.90	692.97	0.8	1st well evacuation from 9:22 to 9:29		
15a	10/29/09	9:30	NM	0.02	0	Well evacuation complete		0.7
15a	10/29/09	9:35	NM	0.10	0			
15a	10/29/09	9:40	NM	0.18	0			
15a	10/29/09	9:45	NM	0.27	0			
15a	10/29/09	9:50	NM	0.35	0			
15a	10/29/09	9:55	NM	0.43	0			
15a	10/29/09	10:00	NM	0.52	0	2nd well evacuation from 10:04 to 10:11		
15b	10/29/09	10:12	NM	0.02	0	Well evacuation complete		0.0
15b	10/29/09	10:17	NM	0.10	0			
15b	10/29/09	10:22	NM	0.18	0			
15b	10/29/09	10:27	NM	0.27	0			
15b	10/29/09	10:32	NM	0.35	0			
15b	10/29/09	10:37	NM	0.43	0			
15b	10/29/09	10:42	34.65	0.52	0.05	3rd well evacuation from 10:44 to 10:50		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
15c	10/29/09	10:52	NM	0.03	0	Well evacuation complete		0.1
15c	10/29/09	10:57	NM	0.12	0			
15c	10/29/09	11:02	34.65	0.20	0.05			
15c	10/29/09	11:07	34.60	0.28	0.1			
15c	10/29/09	11:12	34.60	0.37	0.1			
15c	10/29/09	11:17	34.60	0.45	0.1			
15c	10/29/09	11:22	34.60	0.53	0.1	4th well evacuation from 11:26 to 11:31		
15d	10/29/09	11:32	NM	0.02	0	Well evacuation complete		0.3
15d	10/29/09	11:37	34.60	0.10	0.1			
15d	10/29/09	11:42	34.60	0.18	0.1			
15d	10/29/09	11:47	34.60	0.27	0.1			
15d	10/29/09	11:52	34.60	0.35	0.1			
15d	10/29/09	11:57	34.55	0.43	0.15			
15d	10/29/09	12:02	34.55	0.52	0.15	5th well evacuation from 12:09 to 12:16		
15e	10/29/09	12:17	NM	0.02	0	Well evacuation complete		0.4
15e	10/29/09	12:22	34.60	0.10	0.1			
15e	10/29/09	12:27	34.60	0.18	0.1			
15e	10/29/09	12:32	34.50	0.27	0.2			
15e	10/29/09	12:37	34.50	0.35	0.2			
15e	10/29/09	12:42	34.50	0.43	0.2			
15e	10/29/09	12:47	34.45	0.52	0.25	6th well evacuation from 12:51 to 13:01		
15f	10/29/09	13:02	NM	0.02	0	Well evacuation complete	750	0.7
15f	10/29/09	13:07	34.60	0.10	0.1			
15f	10/29/09	13:12	34.55	0.18	0.15			
15f	10/29/09	13:17	34.55	0.27	0.15			
15f	10/29/09	13:22	34.55	0.35	0.15			
15f	10/29/09	13:27	34.50	0.43	0.2			
15f	10/29/09	13:32	34.50	0.52	0.2			
15f	10/29/09	13:45	34.50	0.73	0.2			
15f	10/29/09	14:00	34.50	0.98	0.2			
15f	11/20/09	8:02	34.10	523.02	0.6	1st well evacuation from 8:25 to 8:39		
16a	11/20/09	8:40	NM	0.02	0	Well evacuation complete		1.6
16a	11/20/09	8:45	NM	0.10	0			
16a	11/20/09	8:50	NM	0.18	0			
16a	11/20/09	8:55	NM	0.27	0			
16a	11/20/09	9:00	NM	0.35	0	2nd well evacuation from 9:01 to 9:13		
16b	11/20/09	9:15	NM	0.03	0	Well evacuation complete		0.0
16b	11/20/09	9:20	NM	0.12	0			
16b	11/20/09	9:25	NM	0.20	0			
16b	11/20/09	9:30	NM	0.28	0			
16b	11/20/09	9:35	NM	0.37	0			
16b	11/20/09	9:40	NM	0.45	0	3rd well evacuation from 9:42 to 9:54		
16c	11/20/09	9:55	NM	0.02	0	Well evacuation complete		0.0
16c	11/20/09	10:00	NM	0.10	0			
16c	11/20/09	10:05	NM	0.18	0			
16c	11/20/09	10:10	34.65	0.27	0.05			
16c	11/20/09	10:15	34.65	0.35	0.05			
16c	11/20/09	10:20	34.60	0.43	0.1	4th well evacuation from 10:22 to 10:34		
16d	11/20/09	10:35	NM	0.02	0	Well evacuation complete		0.3
16d	11/20/09	10:40	34.65	0.10	0.05			
16d	11/20/09	10:45	34.60	0.18	0.1			
16d	11/20/09	10:50	34.60	0.27	0.1			
16d	11/20/09	10:55	34.60	0.35	0.1			
16d	11/20/09	11:00	34.60	0.43	0.1	5th well evacuation from 11:02 to 11:14		
16e	11/20/09	11:15	NM	0.00	0	Well evacuation complete		0.3
16e	11/20/09	11:20	34.60	0.08	0.1			
16e	11/20/09	11:25	34.60	0.17	0.1			
16e	11/20/09	11:30	34.60	0.25	0.1			
16e	11/20/09	11:35	34.60	0.33	0.1			
16e	11/20/09	11:40	34.60	0.42	0.1	6th well evacuation from 11:42 to 11:54		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
16f	11/20/09	11:55	34.60	0.02	0.1	Well evacuation complete		0.3
16f	11/20/09	12:00	34.60	0.10	0.1			
16f	11/20/09	12:05	34.55	0.18	0.15			
16f	11/20/09	12:10	34.55	0.27	0.15			
16f	11/20/09	12:15	34.55	0.35	0.15			
16f	11/20/09	12:20	34.55	0.43	0.15	7th well evacuation from 12:22 to 12:39		
16g	11/20/09	12:40	34.60	0.02	0.1	Well evacuation complete	823	0.4
16g	11/20/09	12:45	34.55	0.10	0.15			
16g	11/20/09	12:50	34.55	0.18	0.15			
16g	11/20/09	12:55	34.55	0.27	0.15			
16g	11/20/09	13:00	34.55	0.35	0.15			
16g	11/20/09	13:05	34.55	0.43	0.15			
16g	11/20/09	13:15	34.55	0.60	0.15			
16g	11/20/09	13:30	34.55	0.85	0.15			
16g	11/20/09	13:45	34.55	1.10	0.15			
16g	12/22/09	7:45	13.00	763.10	NM	Oil globules suspended throughout, could not confirm DNAPL thickness. 1st well evacuation from 8:15 to 8:24		
17a	12/22/09	8:25	NM	0.02	0	Well evacuation complete. Unknown DNAPL volume recovered		0.0
17a	12/22/09	8:30	NM	0.10	0	water column		
17a	12/22/09	8:35	NM	0.18	0			
17a	12/22/09	8:40	NM	0.27	0			
17a	12/22/09	8:45	34.65	0.35	0.05	2nd well evacuation from 8:46 to 8:58		
17b	12/22/09	9:00	NM	0.03	NM	Well evacuation complete		0.1
17b	12/22/09	9:05	NM	0.12	NM			
17b	12/22/09	9:10	NM	0.20	NM			
17b	12/22/09	9:15	NM	0.28	NM			
17b	12/22/09	9:20	34.60	0.37	0.1			
17b	12/22/09	9:25	34.60	0.45	0.1	3rd well evacuation from 9:26 to 9:36		
17c	12/22/09	9:40	NM	0.07	0	Well evacuation complete		0.3
17c	12/22/09	9:45	NM	0.15	0			
17c	12/22/09	9:50	34.60	0.23	0.1			
17c	12/22/09	9:55	34.60	0.32	0.1			
17c	12/22/09	10:00	34.50	0.40	0.2			
17c	12/22/09	10:05	34.30	0.48	0.4	4th well evacuation from 10:06 to 10:14		
17d	12/22/09	10:15	NM	0.02	0	Well evacuation complete		1.0
17d	12/22/09	10:20	34.60	0.10	0.1			
17d	12/22/09	10:25	34.60	0.18	0.1			
17d	12/22/09	10:30	34.55	0.27	0.15			
17d	12/22/09	10:35	34.55	0.35	0.15			
17d	12/22/09	10:40	34.50	0.43	0.2	5th well evacuation from 10:42 to 10:53		
17e	12/22/09	10:55	NM	0.03	0	Well evacuation complete		0.5
17e	12/22/09	11:00	34.60	0.12	0.1			
17e	12/22/09	11:05	34.60	0.20	0.1			
17e	12/22/09	11:10	34.55	0.28	0.15			
17e	12/22/09	11:15	34.50	0.37	0.2			
17e	12/22/09	11:20	34.50	0.45	0.2	6th well evacuation from 11:22 to 11:34		
17f	12/22/09	11:35	34.60	0.02	0.1	Well evacuation complete		0.5
17f	12/22/09	11:40	34.55	0.10	0.15			
17f	12/22/09	11:45	34.55	0.18	0.15			
17f	12/22/09	11:50	34.50	0.27	0.2			
17f	12/22/09	11:55	34.50	0.35	0.2			
17f	12/22/09	12:00	34.50	0.43	0.2	7th well evacuation from 12:02 to 12:19		
17g	12/22/09	12:20	34.60	0.02	0.1	Well evacuation complete	798	0.5
17g	12/22/09	12:25	34.60	0.10	0.1			
17g	12/22/09	12:30	34.50	0.18	0.2			
17g	12/22/09	12:35	34.50	0.27	0.2			
17g	12/22/09	12:40	34.50	0.35	0.2			
17g	12/22/09	12:45	34.45	0.43	0.25			
17g	12/22/09	13:00	34.45	0.68	0.25			
17g	12/22/09	13:15	34.45	0.93	0.25			
17g	12/22/09	13:30	34.40	1.18	0.3			
17g	1/22/10	7:40	34.30	739.35	0.4	1st well evacuation		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
18a	1/22/10	10:10	NM	0.00	0	Well evacuation complete		1.0
18a	1/22/10	10:15	NM	0.08	0			
18a	1/22/10	10:20	NM	0.17	0			
18a	1/22/10	10:25	NM	0.25	0			
18a	1/22/10	10:30	NM	0.33	0	2nd well evacuation from 10:31 until 10:52		
18b	1/22/10	10:55	NM	0.05	0	Well evacuation complete		0.0
18b	1/22/10	11:00	NM	0.13	0			
18b	1/22/10	11:05	NM	0.22	0			
18b	1/22/10	11:10	NM	0.30	0			
18b	1/22/10	11:15	NM	0.38	0	3rd well evacuation from 11:20 until 11:43		
18c	1/22/10	11:45	NM	0.03	0	Well evacuation complete		0.0
18c	1/22/10	11:50	NM	0.12	0			
18c	1/22/10	11:55	34.60	0.20	0.1			
18c	1/22/10	12:00	34.60	0.28	0.1			
18c	1/22/10	12:05	34.60	0.37	0.1			
18c	1/22/10	12:10	34.60	0.45	0.1	4th well evacuation from 12:17 until 12:38		
18d	1/22/10	12:40	NM	0.03	0	Well evacuation complete		0.3
18d	1/22/10	12:45	34.60	0.12	0.1			
18d	1/22/10	12:50	34.60	0.20	0.1			
18d	1/22/10	12:55	34.60	0.28	0.1			
18d	1/22/10	13:00	34.60	0.37	0.1	5th well evacuation from 13:04 until 13:29		
18e	1/22/10	13:30	NM	0.02	0	Well evacuation complete	736	0.3
18e	1/22/10	13:35	34.60	0.10	0.1			
18e	1/22/10	13:40	34.60	0.18	0.1			
18e	1/22/10	13:45	34.60	0.27	0.1			
18e	1/22/10	13:50	34.60	0.35	0.1			
18e	1/22/10	13:55	34.60	0.43	0.1			
18e	2/24/10	7:45	34.10	786.27	0.6	1st well evacuation from 8:14 until 8:29		
19a	2/24/10	8:30	NM	0.02	0	Well evacuation complete		1.6
19a	2/24/10	8:35	NM	0.10	0			
19a	2/24/10	8:40	NM	0.18	0			
19a	2/24/10	8:45	NM	0.27	0			
19a	2/24/10	8:50	NM	0.35	0	2nd well evacuation from 8:51 until 9:03		
19b	2/24/10	9:05	NM	0.03	0	Well evacuation complete		0.0
19b	2/24/10	9:10	NM	0.12	0			
19b	2/24/10	9:15	NM	0.20	0			
19b	2/24/10	9:20	NM	0.28	0			
19b	2/24/10	9:25	34.60	0.37	0.1			
19b	2/24/10	9:30	34.60	0.45	0.1	3rd well evacuation from 9:30 until 9:43		
19c	2/24/10	9:45	NM	0.03	0	Well evacuation complete		0.3
19c	2/24/10	9:50	NM	0.12	0			
19c	2/24/10	9:55	NM	0.20	0			
19c	2/24/10	10:00	34.60	0.28	0.1			
19c	2/24/10	10:05	34.60	0.37	0.1			
19c	2/24/10	10:10	34.55	0.45	0.15	4th well evacuation from 10:11 until 10:24		
19d	2/24/10	10:25	NM	0.02	0	Well evacuation complete		0.4
19d	2/24/10	10:30	34.60	0.10	0.1			
19d	2/24/10	10:35	34.60	0.18	0.1			
19d	2/24/10	10:40	34.60	0.27	0.1			
19d	2/24/10	10:45	34.55	0.35	0.15			
19d	2/24/10	10:50	34.55	0.43	0.15	5th well evacuation from 10:51 until 11:04		
19e	2/24/10	11:05	NM	0.02	0	Well evacuation complete		0.4
19e	2/24/10	11:10	34.60	0.10	0.1			
19e	2/24/10	11:15	34.60	0.18	0.1			
19e	2/24/10	11:20	34.60	0.27	0.1			
19e	2/24/10	11:25	34.55	0.35	0.15			
19e	2/24/10	11:30	34.55	0.43	0.15	6th well evacuation from 11:31 until 11:44		
19f	2/24/10	11:45	34.60	0.02	0.1	Well evacuation complete		0.4
19f	2/24/10	11:50	34.55	0.10	0.15			
19f	2/24/10	11:55	34.55	0.18	0.15			
19f	2/24/10	12:00	34.55	0.27	0.15			
19f	2/24/10	12:05	34.50	0.35	0.2			
19f	2/24/10	12:10	34.50	0.43	0.2	7th well evacuation from 12:11 until 12:24		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
19g	2/24/10	12:25	34.60	0.02	0.1	Well evacuation complete	833	0.5
19g	2/24/10	12:30	34.60	0.10	0.1			
19g	2/24/10	12:35	34.55	0.18	0.15			
19g	2/24/10	12:40	34.55	0.27	0.15			
19g	2/24/10	12:45	34.50	0.35	0.2			
19g	2/24/10	13:00	34.50	0.60	0.2			
19g	2/24/10	13:15	34.45	0.85	0.25			
19g	2/24/10	13:30	34.45	1.10	0.25			
19g	2/24/10	13:45	34.45	1.35	0.25			
19g	3/26/10	9:45	34.70	717.35	0	1st well evacuation from 9:50 until 10:04		
20a	3/26/10	10:07	NM	0.05	0	Well evacuation complete		0.0
20a	3/26/10	10:12	NM	0.13	0			
20a	3/26/10	10:17	NM	0.22	0			
20a	3/26/10	10:22	NM	0.30	0			
20a	3/26/10	10:27	NM	0.38	0			
20a	3/26/10	10:32	NM	0.47	0			
20a	3/26/10	10:37	NM	0.55	0	2nd well evacuation from 10:39 until 10:55		
20b	3/26/10	10:58	NM	0.05	0	Well evacuation complete		0.0
20b	3/26/10	11:03	NM	0.13	0			
20b	3/26/10	11:08	NM	0.22	0			
20b	3/26/10	11:13	NM	0.30	0			
20b	3/26/10	11:18	NM	0.38	0			
20b	3/26/10	11:23	NM	0.47	0			
20b	3/26/10	11:28	34.50	0.55	0.2	3rd well evacuation from 11:30 until 11:45		
20c	3/26/10	11:46	33.45	0.02	1.25	Well evacuation complete		0.5
20c	3/26/10	11:51	NM	0.10	0			
20c	3/26/10	11:56	34.60	0.18	0.1			
20c	3/26/10	12:01	34.62	0.27	0.08			
20c	3/26/10	12:06	34.56	0.35	0.14			
20c	3/26/10	12:11	34.52	0.43	0.18			
20c	3/26/10	12:16	34.40	0.52	0.3	4th well evacuation from 12:18 until 12:35		
20d	3/26/10	12:35	NM	0.00	0	Well evacuation complete		0.8
20d	3/26/10	12:40	34.45	0.08	0.25			
20d	3/26/10	12:45	34.30	0.17	0.4			
20d	3/26/10	12:50	34.31	0.25	0.39			
20d	3/26/10	12:55	34.37	0.33	0.33			
20d	3/26/10	13:00	34.32	0.42	0.38			
20d	3/26/10	13:05	34.27	0.50	0.43	5th well evacuation from 13:07 until 13:23		
20e	3/26/10	13:25	34.20	0.03	0.5	Well evacuation complete		1.1
20e	3/26/10	13:30	34.12	0.12	0.58			
20e	3/26/10	13:35	34.25	0.20	0.45			
20e	3/26/10	13:40	34.22	0.28	0.48			
20e	3/26/10	13:45	34.38	0.37	0.32			
20e	3/26/10	13:50	34.28	0.45	0.42			
20e	3/26/10	13:55	34.21	0.53	0.49	6th well evacuation from 13:54 until 14:11		
20f	3/26/10	14:13	NM	0.03	0	Well evacuation complete		1.3
20f	3/26/10	14:18	34.62	0.12	0.08			
20f	3/26/10	14:23	34.64	0.20	0.06			
20f	3/26/10	14:28	34.65	0.28	0.05			
20f	3/26/10	14:33	34.65	0.37	0.05			
20f	3/26/10	14:38	34.65	0.45	0.05			
20f	3/26/10	14:43	34.67	0.53	0.03	7th well evacuation from 14:45 until 15:00		
20g	3/26/10	15:02	NM	0.03	0	Well evacuation complete	833	0.1
20g	3/26/10	15:07	34.67	0.12	0.03			
20g	3/26/10	15:12	34.64	0.20	0.06			
20g	3/26/10	15:17	34.65	0.28	0.05			
20g	3/26/10	15:22	34.62	0.37	0.08			
20g	3/26/10	15:27	34.65	0.45	0.05			
20g	3/26/10	15:32	34.64	0.53	0.06			
20g	4/23/10	8:51	34.29	713.85	0.41	1st well evacuation from 9:16 until 9:31		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
21a	4/23/10	9:32	NM	0.02	0	Well evacuation complete		1.1
21a	4/23/10	9:37	NM	0.10	0			
21a	4/23/10	9:42	NM	0.18	0			
21a	4/23/10	9:47	NM	0.27	0			
21a	4/23/10	9:52	NM	0.35	0			
21a	4/23/10	9:57	NM	0.43	0			
21a	4/23/10	10:02	NM	0.52	0	2nd well evacuation from 10:03 until 10:18		
21b	4/23/10	10:18	NM	0.00	0	Well evacuation complete		0.0
21b	4/23/10	10:28	NM	0.17	0			
21b	4/23/10	10:33	NM	0.25	0			
21b	4/23/10	10:38	NM	0.33	0			
21b	4/23/10	10:43	NM	0.42	0			
21b	4/23/10	10:48	NM	0.50	0	3rd well evacuation from 10:50 until 11:05		
21c	4/23/10	11:05	NM	1.00	0	Well evacuation complete		0.0
21c	4/23/10	11:10	NM	1.08	0			
21c	4/23/10	11:15	NM	1.17	0			
21c	4/23/10	11:20	34.65	1.25	0.05			
21c	4/23/10	11:25	NM	1.33	0			
21c	4/23/10	11:30	34.60	1.42	0.1			
21c	4/23/10	11:35	34.64	1.50	0.06	4th well evacuation from 11:40 until 11:55		
21d	4/23/10	11:55	NM	0.00	0	Well evacuation complete		0.2
21d	4/23/10	12:00	NM	0.08	0			
21d	4/23/10	12:05	34.65	0.17	0.05			
21d	4/23/10	12:10	34.69	0.25	0.01			
21d	4/23/10	12:15	34.61	0.33	0.09			
21d	4/23/10	12:20	34.61	0.42	0.09			
21d	4/23/10	12:25	34.59	0.50	0.11	5th well evacuation from 12:25 until 12:40		
21e	4/23/10	12:40	NM	0.00	0	Well evacuation complete		0.3
21e	4/23/10	12:45	34.65	0.08	0.05			
21e	4/23/10	12:50	34.65	0.17	0.05			
21e	4/23/10	12:55	34.65	0.25	0.05			
21e	4/23/10	13:00	34.65	0.33	0.05			
21e	4/23/10	13:05	34.63	0.42	0.07			
21e	4/23/10	13:10	34.57	0.50	0.13	6th well evacuation from 13:10 until 13:25		
21f	4/23/10	13:25	NM	0.00	0	Well evacuation complete		0.3
21f	4/23/10	13:30	34.65	0.08	0.05			
21f	4/23/10	13:35	34.65	0.17	0.05			
21f	4/23/10	13:40	34.61	0.25	0.09			
21f	4/23/10	13:45	34.64	0.33	0.06			
21f	4/23/10	13:50	34.65	0.42	0.05			
21f	4/23/10	13:55	34.45	0.50	0.25	7th well evacuation from 13:55 until 14:10		
21g	4/23/10	14:10	NM	0.00	0	Well evacuation complete	775	0.7
21g	4/23/10	14:15	34.67	0.08	0.03			
21g	4/23/10	14:20	34.60	0.17	0.1			
21g	4/23/10	14:25	34.65	0.25	0.05			
21g	4/23/10	14:30	34.60	0.33	0.1			
21g	4/23/10	14:35	34.65	0.42	0.05			
21g	4/23/10	14:40	34.60	0.50	0.1			
21g	5/21/10	8:57	34.60	666.78	0.1	Interface probe malfunction, unable to obtain depth to DNAPL. 1st well evacuation from 9:20 until 9:35		
22a	5/21/10	9:36	NM	0.02	0	Well evacuation complete. Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		0.3
22a	5/21/10	9:41	NM	0.10	0	Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		
22a	5/21/10	9:46	NM	0.18	0	See Above		
22a	5/21/10	9:51	NM	0.27	0	See Above		
22a	5/21/10	9:56	NM	0.35	0	See Above		
22a	5/21/10	10:01	NM	0.43	0	See Above		
22a	5/21/10	10:06	NM	0.52	0	2nd well evacuation from 10:08 until 10:23		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
22b	5/21/10	10:26	NM	0.05	0	Well evacuation complete. Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		0.0
22b	5/21/10	10:31	NM	0.13	0	Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		
22b	5/21/10	10:36	NM	0.22	0	See above		
22b	5/21/10	10:41	NM	0.30	0	See above		
22b	5/21/10	10:46	NM	0.38	0	See above		
22b	5/21/10	10:51	NM	0.47	0	See above		
22b	5/21/10	10:56	NM	0.55	0	3rd well evacuation from 10:58 until 11:13		
22c	5/21/10	11:15	NM	0.03	0	Well evacuation complete. Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		0.0
22c	5/21/10	11:20	NM	0.12	0	Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		
22c	5/21/10	11:25	NM	0.20	0	See above		
22c	5/21/10	11:30	NM	0.28	0	See above		
22c	5/21/10	11:35	NM	0.37	0	See above		
22c	5/21/10	11:40	NM	0.45	0	See above		
22c	5/21/10	11:45	NM	0.53	0	4th well evacuation from 11:48 until 12:03		
22d	5/21/10	12:05	NM	0.03	0	Well evacuation complete. Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		0.0
22d	5/21/10	12:10	NM	0.12	0	Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		
22d	5/21/10	12:15	NM	0.20	0	See above		
22d	5/21/10	12:20	NM	0.28	0	See above		
22d	5/21/10	12:25	NM	0.37	0	See above		
22d	5/21/10	12:30	NM	0.45	0	See above		
22d	5/21/10	12:35	NM	0.53	0	5th well evacuation from 12:53 until 13:08		
22e	5/21/10	13:10	NM	0.03	0	Well evacuation complete. Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		0.0
22e	5/21/10	13:15	NM	0.12	0	Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		
22e	5/21/10	13:20	NM	0.20	0	See above		
22e	5/21/10	13:25	NM	0.28	0	See above		
22e	5/21/10	13:30	NM	0.37	0	See above		
22e	5/21/10	13:35	NM	0.45	0	See above		
22e	5/21/10	13:40	NM	0.53	0	6th well evacuation from 13:40 until 13:55		
22f	5/21/10	13:56	NM	0.02	0	Well evacuation complete. Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		0.0
22f	5/21/10	14:01	NM	0.10	0	Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		
22f	5/21/10	14:06	NM	0.18	0	See above		
22f	5/21/10	14:11	NM	0.27	0	See above		
22f	5/21/10	14:16	NM	0.35	0	See above		
22f	5/21/10	14:21	NM	0.43	0	See above		
22f	5/21/10	14:26	NM	0.52	0	7th well evacuation from 14:27 until 14:42		
22g	5/21/10	14:44	NM	0.03	0	Well evacuation complete. Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.	743	0.0
22g	5/21/10	14:49	NM	0.12	0	Interface probe malfunction, unable to obtain depth to DNAPL during gauging event.		
22g	5/21/10	14:54	NM	0.20	0	See above		
22g	5/21/10	14:59	NM	0.28	0	See above		
22g	5/21/10	15:04	NM	0.37	0	See above		
22g	5/21/10	15:09	NM	0.45	0	See above		
22g	5/21/10	15:14	NM	0.53	0	See above		
22g	6/25/10	9:20	34.20	882.63	0.5	Interface probe malfunction, DNAPL gauged with a bailer. 1st well evacuation from 10:52 until 11:07		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
23a	6/25/10	11:07	NM	0.00	0	Well evacuation complete		1.3
23a	6/25/10	11:12	NM	0.08	0			
23a	6/25/10	11:17	NM	0.17	0			
23a	6/25/10	11:22	NM	0.25	0			
23a	6/25/10	11:27	NM	0.33	0			
23a	6/25/10	11:32	NM	0.42	0			
23a	6/25/10	11:37	NM	0.50	0	Interface probe malfunction, DNAPL gauged with a bailer after 30 minutes. 2nd well evacuation from 11:38 until 11:52		
23b	6/25/10	11:52	NM	0.00	0	Well evacuation complete		0.0
23b	6/25/10	11:57	NM	0.08	0			
23b	6/25/10	12:02	NM	0.17	0			
23b	6/25/10	12:07	NM	0.25	0			
23b	6/25/10	12:12	NM	0.33	0			
23b	6/25/10	12:17	NM	0.42	0			
23b	6/25/10	12:22	NM	0.50	0	Interface probe malfunction, DNAPL gauged with a bailer after 30 minutes. 3rd well evacuation from 12:25 until12:39.		
23c	6/25/10	12:39	NM	0.00	0	Well evacuation complete		0.0
23c	6/25/10	12:44	NM	0.08	0			
23c	6/25/10	12:49	NM	0.17	0			
23c	6/25/10	12:54	NM	0.25	0			
23c	6/25/10	12:59	NM	0.33	0			
23c	6/25/10	13:04	NM	0.42	0			
23c	6/25/10	13:09	34.60	0.50	0.1	Interface probe malfunction, DNAPL gauged with a bailer after 30 minutes. 4th well evacuation from 13:15 until13:29.		
23d	6/25/10	13:29	NM	0.00	0	Well evacuation complete		0.3
23d	6/25/10	13:34	NM	0.08	0			
23d	6/25/10	13:39	NM	0.17	0			
23d	6/25/10	13:44	NM	0.25	0			
23d	6/25/10	13:49	NM	0.33	0			
23d	6/25/10	13:54	NM	0.42	0			
23d	6/25/10	13:58	34.60	0.48	0.1	Interface probe malfunction, DNAPL gauged with a bailer after 30 minutes. 5th well evacuation from 13:58 until14:14.		
23e	6/25/10	14:14	NM	0.00	0	Well evacuation complete		0.3
23e	6/25/10	14:19	NM	0.08	0			
23e	6/25/10	14:24	NM	0.17	0			
23e	6/25/10	14:29	NM	0.25	0			
23e	6/25/10	14:34	NM	0.33	0			
23e	6/25/10	14:39	34.60	0.42	0.1	Interface probe malfunction, DNAPL gauged with a bailer after 30 minutes. 6th well evacuation from 14:41 until15:15.		
23f	6/25/10	15:15	NM	0.00	0	Well evacuation complete		0.3
23f	6/25/10	15:20	NM	0.08	0			
23f	6/25/10	15:25	NM	0.17	0			
23f	6/25/10	15:30	NM	0.25	0			
23f	6/25/10	15:35	NM	0.33	0			
23f	6/25/10	15:40	NM	0.42	0			
23f	6/25/10	15:45	NM	0.50	0	Interface probe malfunction, DNAPL gauged with a bailer after 30 minutes. 7th well evacuation from 14:41 until15:15.		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
23g	6/25/10	16:02	NM	0.00	0	Well evacuation complete	750	0.0
23g	6/25/10	16:07	NM	0.08	0			
23g	6/25/10	16:12	NM	0.17	0			
23g	6/25/10	16:17	NM	0.25	0			
23g	6/25/10	16:22	NM	0.33	0			
23g	6/25/10	16:27	NM	0.42	0			
23g	6/25/10	16:32	NM	0.50	0			
23g	7/30/10	7:50	33.25	831.80	1.45	1st well evacuation from 8:00 until 8:15		
24a	7/30/10	8:15	NM	0.00	0	Well evacuation complete		3.8
24a	7/30/10	8:20	NM	0.08	0			
24a	7/30/10	8:25	NM	0.17	0			
24a	7/30/10	8:30	NM	0.25	0			
24a	7/30/10	8:35	NM	0.33	0			
24a	7/30/10	8:40	NM	0.42	0			
24a	7/30/10	8:45	NM	0.50	0	2nd well evacuation from 10:03 until 10:18		
24b	7/30/10	9:05	NM	0.03	0	Well evacuation complete		0.0
24b	7/30/10	9:10	NM	0.12	0			
24b	7/30/10	9:15	NM	0.20	0			
24b	7/30/10	9:20	NM	0.28	0			
24b	7/30/10	9:25	NM	0.37	0			
24b	7/30/10	9:30	NM	0.45	0			
24b	7/30/10	9:35	NM	0.53	0	3rd well evacuation from 9:38 until 9:50		
24c	7/30/10	9:55	NM	0.08	0	Well evacuation complete		0.0
24c	7/30/10	10:00	NM	0.17	0			
24c	7/30/10	10:05	NM	0.25	0			
24c	7/30/10	10:10	NM	0.33	0			
24c	7/30/10	10:15	NM	0.42	0			
24c	7/30/10	10:20	NM	0.50	0			
24c	7/30/10	10:25	NM	0.58	0	4th well evacuation from 10:25 until 10:40		
24d	7/30/10	10:40	NM	0.00	0	Well evacuation complete		0.0
24d	7/30/10	10:45	NM	0.08	0			
24d	7/30/10	10:50	NM	0.17	0			
24d	7/30/10	10:55	NM	0.25	0			
24d	7/30/10	11:00	NM	0.33	0			
24d	7/30/10	11:05	NM	0.42	0			
24d	7/30/10	11:10	NM	0.50	0	5th well evacuation from 11:10 until 11:25		
24e	7/30/10	11:25	NM	0.00	0	Well evacuation complete		0.0
24e	7/30/10	11:30	NM	0.08	0			
24e	7/30/10	11:35	NM	0.17	0			
24e	7/30/10	11:40	NM	0.25	0			
24e	7/30/10	11:45	NM	0.33	0			
24e	7/30/10	11:50	NM	0.42	0			
24e	7/30/10	11:55	NM	0.50	0	6th well evacuation from 11:55 until 12:10		
24f	7/30/10	12:10	NM	0.00	0	Well evacuation complete		0.0
24f	7/30/10	12:15	NM	0.08	0			
24f	7/30/10	12:20	NM	0.17	0			
24f	7/30/10	12:25	NM	0.25	0			
24f	7/30/10	12:30	NM	0.33	0			
24f	7/30/10	12:35	NM	0.42	0			
24f	7/30/10	12:40	NM	0.50	0	7th well evacuation from 12:40 until 12:55		
24g	7/30/10	12:55	NM	0.00	0	Well evacuation complete	889	0.0
24g	7/30/10	13:00	NM	0.08	0			
24g	7/30/10	13:05	NM	0.17	0			
24g	7/30/10	13:10	NM	0.25	0			
24g	7/30/10	13:15	NM	0.33	0			
24g	7/30/10	13:20	NM	0.42	0			
24g	7/30/10	13:25	NM	0.50	0	Sent bailer down well to confirm DNAPL thickness, no DNAPL in bailer.		
24g	8/27/10	7:15	34.21	666.33	0.49	1st well evacuation from 8:00 until 8:15		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
25a	8/27/10	7:32	NM	0.00	0	Well evacuation complete		1.3
25a	8/27/10	7:37	NM	0.08	0			
25a	8/27/10	7:42	NM	0.17	0			
25a	8/27/10	7:47	NM	0.25	0			
25a	8/27/10	7:52	NM	0.33	0			
25a	8/27/10	7:57	NM	0.42	0			
25a	8/27/10	8:02	NM	0.50	0	2nd well evacuation from 8:03 until 8:18		
25b	8/27/10	8:20	NM	0.03	0	Well evacuation complete		0.0
25b	8/27/10	8:25	NM	0.12	0			
25b	8/27/10	8:30	NM	0.20	0			
25b	8/27/10	8:35	NM	0.28	0			
25b	8/27/10	8:40	NM	0.37	0			
25b	8/27/10	8:45	NM	0.45	0			
25b	8/27/10	8:50	NM	0.53	0	3rd well evacuation from 8:50 until 9:05		
25c	8/27/10	9:05	NM	0.00	0	Well evacuation complete		0.0
25c	8/27/10	9:10	NM	0.08	0			
25c	8/27/10	9:15	34.63	0.17	0.07			
25c	8/27/10	9:20	34.67	0.25	0.03			
25c	8/27/10	9:25	34.67	0.33	0.03			
25c	8/27/10	9:30	NM	0.42	0			
25c	8/27/10	9:35	34.60	0.50	0.1	4th well evacuation from 9:35 until 9:50		
25d	8/27/10	9:50	34.58	0.00	0.12	Well evacuation complete		0.3
25d	8/27/10	9:55	34.61	0.08	0.09			
25d	8/27/10	10:00	34.50	0.17	0.2			
25d	8/27/10	10:05	34.53	0.25	0.17			
25d	8/27/10	10:10	34.57	0.33	0.13			
25d	8/27/10	10:15	34.62	0.42	0.08			
25d	8/27/10	10:20	34.59	0.50	0.11	5th well evacuation from 10:20 until 10:35		
25e	8/27/10	10:35	34.67	0.00	0.03	Well evacuation complete		0.3
25e	8/27/10	10:40	34.60	0.08	0.1			
25e	8/27/10	10:45	34.62	0.17	0.08			
25e	8/27/10	10:50	34.58	0.25	0.12			
25e	8/27/10	10:55	34.50	0.33	0.2			
25e	8/27/10	11:00	34.54	0.42	0.16			
25e	8/27/10	11:05	34.61	0.50	0.09	6th well evacuation from 11:05 until 11:20		
25f	8/27/10	11:20	34.51	0.00	0.19	Well evacuation complete		0.2
25f	8/27/10	11:25	34.52	0.08	0.18			
25f	8/27/10	11:30	34.59	0.17	0.11			
25f	8/27/10	11:35	34.49	0.25	0.21			
25f	8/27/10	11:40	34.54	0.33	0.16			
25f	8/27/10	11:45	34.53	0.42	0.17			
25f	8/27/10	11:50	34.61	0.50	0.09	7th well evacuation from 11:50 until 12:05		
25g	8/27/10	12:05	34.65	0.00	0.05	Well evacuation complete	936	0.2
25g	8/27/10	12:10	34.59	0.08	0.11			
25g	8/27/10	12:15	NM	0.17	0			
25g	8/27/10	12:20	34.62	0.25	0.08			
25g	8/27/10	12:25	34.57	0.33	0.13			
25g	8/27/10	12:30	34.60	0.42	0.1			
25g	8/27/10	12:35	34.58	0.50	0.12			
25g	9/24/10	6:53	34.69	666.80	0.01	1st well evacuation from 6:58 until 7:14		
26a	9/24/10	7:15	NM	0.02	0	Well evacuation complete		0.0
26a	9/24/10	7:20	34.69	0.10	0.01			
26a	9/24/10	7:25	34.68	0.18	0.02			
26a	9/24/10	7:30	34.68	0.27	0.02			
26a	9/24/10	7:35	34.68	0.35	0.02			
26a	9/24/10	7:40	34.68	0.43	0.02			
26a	9/24/10	7:45	34.68	0.52	0.02	2nd well evacuation from 7:47 until 8:02		
26b	9/24/10	8:04	NM	0.03	0	Well evacuation complete		0.1
26b	9/24/10	8:09	NM	0.12	0			
26b	9/24/10	8:14	NM	0.20	0			
26b	9/24/10	8:19	NM	0.28	0			
26b	9/24/10	8:24	NM	0.37	0			

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
26b	9/24/10	8:29	NM	0.45	0			
26b	9/24/10	8:34	NM	0.53	0	3rd well evacuation from 8:35 until 8:50		
26c	9/24/10	8:51	NM	0.02	0	Well evacuation complete		0.0
26c	9/24/10	8:56	NM	0.10	0			
26c	9/24/10	9:01	NM	0.18	0			
26c	9/24/10	9:06	NM	0.27	0			
26c	9/24/10	9:11	NM	0.35	0			
26c	9/24/10	9:16	NM	0.43	0			
26c	9/24/10	9:21	NM	0.52	0	4th well evacuation from 9:22 until 9:37		
26d	9/24/10	9:39	34.68	0.03	0.02	Well evacuation complete		0.0
26d	9/24/10	9:44	34.69	0.12	0.01			
26d	9/24/10	9:49	34.69	0.20	0.01			
26d	9/24/10	9:54	34.69	0.28	0.01			
26d	9/24/10	9:59	34.69	0.37	0.01			
26d	9/24/10	10:04	34.69	0.45	0.01			
26d	9/24/10	10:09	34.69	0.53	0.01	5th well evacuation from10:10 until 10:25		
26e	9/24/10	10:25	NM	0.00	0	Well evacuation complete		0.0
26e	9/24/10	10:30	34.70	0.08	0			
26e	9/24/10	10:35	34.70	0.17	0			
26e	9/24/10	10:40	34.70	0.25	0			
26e	9/24/10	10:45	34.69	0.33	0.01			
26e	9/24/10	10:50	34.68	0.42	0.02			
26e	9/24/10	10:55	34.68	0.50	0.02	6th well evacuation from 10:58 until 11:14		
26f	9/24/10	11:15	NM	0.02	0	Well evacuation complete		0.1
26f	9/24/10	11:20	NM	0.10	0			
26f	9/24/10	11:25	NM	0.18	0			
26f	9/24/10	11:30	34.70	0.27	0			
26f	9/24/10	11:35	34.70	0.35	0			
26f	9/24/10	11:40	34.70	0.43	0			
26f	9/24/10	11:45	34.69	0.52	0.01	7th well evacuation from 11:46 until 12:01		
26g	9/24/10	12:02	NM	0.02	0	Well evacuation complete	736	0.0
26g	9/24/10	12:07	34.70	0.10	0			
26g	9/24/10	12:12	34.70	0.18	0			
26g	9/24/10	12:17	34.70	0.27	0			
26g	9/24/10	12:22	34.70	0.35	0			
26g	9/24/10	12:27	34.70	0.43	0			
26g	9/24/10	12:32	34.69	0.52	0.01			
26g	10/29/10	7:45	34.70	835.73	0	1st well evacuation from 7:47 until 8:02		
27a	10/29/10	8:07	NM	0.08	0	Well evacuation complete		0.0
27a	10/29/10	8:12	NM	0.17	0			
27a	10/29/10	8:17	NM	0.25	0			
27a	10/29/10	8:22	NM	0.33	0			
27a	10/29/10	8:27	NM	0.42	0			
27a	10/29/10	8:32	NM	0.50	0			
27a	10/29/10	8:37	NM	0.58	0	2nd well evacuation from 8:38 until 8:53		
27b	10/29/10	8:58	NM	0.08	0	Well evacuation complete		0.0
27b	10/29/10	9:03	NM	0.17	0			
27b	10/29/10	9:08	NM	0.25	0			
27b	10/29/10	9:13	NM	0.33	0			
27b	10/29/10	9:18	NM	0.42	0			
27b	10/29/10	9:23	NM	0.50	0			
27b	10/29/10	9:28	NM	0.58	0	3rd well evacuation from 9:29 until 9:44		
27c	10/29/10	9:49	NM	0.08	0	Well evacuation complete		0.0
27c	10/29/10	9:54	NM	0.17	0	Blelbs on the probe and tape		
27c	10/29/10	9:59	NM	0.25	0	Blelbs on the probe and tape		
27c	10/29/10	10:04	NM	0.33	0	Blelbs on the probe and tape		
27c	10/29/10	10:09	NM	0.42	0	Blelbs on the probe and tape		
27c	10/29/10	10:14	NM	0.50	0	Blelbs on the probe and tape		
27c	10/29/10	10:19	NM	0.58	0	4th well evacuation from 10:20 until 10:35		
27d	10/29/10	10:40	NM	0.08	0	Well evacuation complete		0.0
27d	10/29/10	10:45	NM	0.17	0	Blebs on the probe and tape		
27d	10/29/10	10:50	NM	0.25	0	Blebs on the probe and tape		
27d	10/29/10	10:55	NM	0.33	0	Blebs on the probe and tape		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
27d	10/29/10	11:00	NM	0.42	0	Blebs on the probe and tape		
27d	10/29/10	11:05	NM	0.50	0	Blebs on the probe and tape		
27d	10/29/10	11:10	NM	0.58	0	5th well evacuation from 11:10 until 11:25		
27e	10/29/10	11:30	NM	0.08	0	Well evacuation complete		0.0
27e	10/29/10	11:35	NM	0.17	0			
27e	10/29/10	11:40	NM	0.25	0			
27e	10/29/10	11:45	NM	0.33	0			
27e	10/29/10	11:50	NM	0.42	0			
27e	10/29/10	11:55	NM	0.50	0			
27e	10/29/10	12:00	NM	0.58	0	6th well evacuation from 12:00 until 12:15		
27f	10/29/10	12:20	NM	0.08	0	Well evacuation complete		0.0
27f	10/29/10	12:25	NM	0.17	0			
27f	10/29/10	12:30	NM	0.25	0			
27f	10/29/10	12:35	NM	0.33	0			
27f	10/29/10	12:40	NM	0.42	0			
27f	10/29/10	12:45	NM	0.50	0			
27f	10/29/10	12:50	NM	0.58	0	7th well evacuation from 12:50 until 13:05		
27g	10/29/10	13:10	NM	0.08	0	Well evacuation complete	862	0.0
27g	10/29/10	13:15	NM	0.17	0			
27g	10/29/10	13:20	NM	0.25	0			
27g	10/29/10	13:25	NM	0.33	0			
27g	10/29/10	13:30	NM	0.42	0			
27g	10/29/10	13:35	NM	0.50	0			
27g	10/29/10	13:40	NM	0.58	0			
27g	11/24/10	6:35	34.67	617.50	0.03	1st well evacuation from 6:40 until 6:55		
28a	11/24/10	6:55	NM	0.00	0	Well evacuation complete		0.1
28a	11/24/10	7:00	NM	0.08	0			
28a	11/24/10	7:05	NM	0.17	0			
28a	11/24/10	7:10	NM	0.25	0			
28a	11/24/10	7:15	NM	0.33	0			
28a	11/24/10	7:20	NM	0.42	0			
28a	11/24/10	7:25	NM	0.50	0	2nd well evacuation from 7:25 until 7:40		
28b	11/24/10	7:40	NM	0.00	0	Well evacuation complete		0.0
28b	11/24/10	7:45	NM	0.08	0			
28b	11/24/10	7:50	NM	0.17	0			
28b	11/24/10	7:55	NM	0.25	0			
28b	11/24/10	8:00	NM	0.33	0			
28b	11/24/10	8:05	NM	0.42	0			
28b	11/24/10	8:10	NM	0.50	0	3rd well evacuation from 8:10 until 8:25		
28c	11/24/10	8:25	NM	0.00	0	Well evacuation complete		0.0
28c	11/24/10	8:30	NM	0.08	0			
28c	11/24/10	8:35	NM	0.17	0			
28c	11/24/10	8:40	NM	0.25	0			
28c	11/24/10	8:45	NM	0.33	0			
28c	11/24/10	8:50	NM	0.42	0			
28c	11/24/10	9:00	NM	0.58	0	4th well evacuation from 8:55 until 9:10		
28d	11/24/10	9:10	NM	0.00	0	Well evacuation complete		0.0
28d	11/24/10	9:15	NM	0.08	0			
28d	11/24/10	9:20	NM	0.17	0			
28d	11/24/10	9:25	NM	0.25	0			
28d	11/24/10	9:30	NM	0.33	0			
28d	11/24/10	9:35	NM	0.42	0			
28d	11/24/10	9:40	NM	0.50	0	5th well evacuation from 9:40 until 9:55		
28e	11/24/10	9:55	NM	0.00	0	Well evacuation complete		0.0
28e	11/24/10	10:00	NM	0.08	0			
28e	11/24/10	10:05	NM	0.17	0			
28e	11/24/10	10:10	NM	0.25	0			
28e	11/24/10	10:15	NM	0.33	0			
28e	11/24/10	10:20	NM	0.42	0			
28e	11/24/10	10:25	NM	0.50	0	6th well evacuation from 10:25 until 10:40		
28f	11/24/10	10:40	34.69	0.00	0.01	Well evacuation complete		0.0
28f	11/24/10	10:45	34.70	0.08	0			
28f	11/24/10	10:50	NM	0.17	0			
28f	11/24/10	10:55	NM	0.25	0			
28f	11/24/10	11:00	NM	0.33	0			
28f	11/24/10	11:05	NM	0.42	0			
28f	11/24/10	11:10	NM	0.50	0	7th well evacuation from 11:10 until 11:25		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
28g	11/24/10	11:25	NM	0.00	0	Well evacuation complete	833	0.0
28g	11/24/10	11:30	NM	0.08	0			
28g	11/24/10	11:35	NM	0.17	0			
28g	11/24/10	11:40	NM	0.25	0			
28g	11/24/10	11:45	NM	0.33	0			
28g	11/24/10	11:50	NM	0.42	0			
28g	11/24/10	11:55	NM	0.50	0			
28g	12/23/10	7:30	NM	692.08	0	1st well evacuation from 6:40 until 6:55		
29a	12/23/10	7:57	NM	0.08	0	Well evacuation complete		0.0
29a	12/23/10	8:02	NM	0.17	0			
29a	12/23/10	8:07	NM	0.25	0			
29a	12/23/10	8:12	NM	0.33	0			
29a	12/23/10	8:17	NM	0.42	0			
29a	12/23/10	8:22	NM	0.50	0			
29a	12/23/10	8:27	NM	0.58	0	2nd well evacuation from 8:28 until 8:43		
29b	12/23/10	8:43	NM	0.00	0	Well evacuation complete		0.0
29b	12/23/10	8:48	NM	0.08	0	Blebs on probe and tape		
29b	12/23/10	8:53	NM	0.17	0	Blebs on probe and tape		
29b	12/23/10	8:58	NM	0.25	0	Blebs on probe and tape		
29b	12/23/10	9:03	NM	0.33	0	Blebs on probe and tape		
29b	12/23/10	9:08	NM	0.42	0	Blebs on probe and tape		
29b	12/23/10	9:13	NM	0.50	0	3rd well evacuation from 9:15 until 9:30		
29c	12/23/10	9:30	NM	0.00	0	Well evacuation complete		0.0
29c	12/23/10	9:35	NM	0.08	0	Blebs on probe and tape		
29c	12/23/10	9:40	NM	0.17	0	Blebs on probe and tape		
29c	12/23/10	9:45	NM	0.25	0	Blebs on probe and tape		
29c	12/23/10	9:50	NM	0.33	0	Blebs on probe and tape		
29c	12/23/10	9:55	NM	0.42	0	Blebs on probe and tape		
29c	12/23/10	10:00	NM	0.50	0	4th well evacuation from 10:00 until 10:15		
29d	12/23/10	10:15	NM	0.00	0	Well evacuation complete		0.0
29d	12/23/10	10:20	NM	0.08	0	Blebs on probe and tape		
29d	12/23/10	10:25	NM	0.17	0	Blebs on probe and tape		
29d	12/23/10	10:30	NM	0.25	0	Blebs on probe and tape		
29d	12/23/10	10:35	NM	0.33	0	Blebs on probe and tape		
29d	12/23/10	10:40	NM	0.42	0	Blebs on probe and tape		
29d	12/23/10	10:45	NM	0.50	0	5th well evacuation from 10:45 until 11:00		
29e	12/23/10	11:00	NM	0.00	0	Well evacuation complete		0.0
29e	12/23/10	11:05	NM	0.08	0	Blebs on probe and tape		
29e	12/23/10	11:10	NM	0.17	0	Blebs on probe and tape		
29e	12/23/10	11:15	NM	0.25	0	Blebs on probe and tape		
29e	12/23/10	11:20	NM	0.33	0	Blebs on probe and tape		
29e	12/23/10	11:25	NM	0.42	0	Blebs on probe and tape		
29e	12/23/10	11:30	NM	0.50	0	6th well evacuation from 11:30 until 11:45		
29f	12/23/10	11:45	NM	0.00	0	Well evacuation complete		0.0
29f	12/23/10	11:50	NM	0.08	0	Blebs on probe and tape		
29f	12/23/10	11:55	NM	0.17	0	Blebs on probe and tape		
29f	12/23/10	12:00	NM	0.25	0	Blebs on probe and tape		
29f	12/23/10	12:05	NM	0.33	0	Blebs on probe and tape		
29f	12/23/10	12:10	NM	0.42	0	Blebs on probe and tape		
29f	12/23/10	12:15	NM	0.50	0	7th well evacuation from 12:15 until 12:30		
29g	12/23/10	12:30	NM	0.00	0	Well evacuation complete	576	0.0
29g	12/23/10	12:35	NM	0.08	0	Blebs on probe and tape		
29g	12/23/10	12:40	NM	0.17	0	Blebs on probe and tape		
29g	12/23/10	12:45	NM	0.25	0	Blebs on probe and tape		
29g	12/23/10	12:50	NM	0.33	0	Blebs on probe and tape		
29g	12/23/10	12:55	NM	0.42	0	Blebs on probe and tape		
29g	12/23/10	13:00	NM	0.50	0	Blebs on probe and tape		
29g	1/31/11	10:20	NM	933.83	0	1st well evacuation from 10:20 until 10:35		
30a	1/31/11	10:35	33.81	0.00	0.89	Well evacuation complete		0.0
30a	1/31/11	10:40	33.80	0.08	0.90	Blebs on probe and tape		
30a	1/31/11	10:45	33.74	0.17	0.96	Blebs on probe and tape		
30a	1/31/11	10:50	33.71	0.25	0.99	Blebs on probe and tape		
30a	1/31/11	10:55	33.78	0.33	0.92	Blebs on probe and tape		
30a	1/31/11	11:00	33.69	0.42	1.01	Blebs on probe and tape		
30a	1/31/11	11:05	33.64	0.50	1.06	2nd well evacuation from 11:05 until 11:20		
30b	1/31/11	11:20	trace	0.00	0	Well evacuation complete		2.8
30b	1/31/11	11:25	trace	0.08	0	Blebs on probe and tape		
30b	1/31/11	11:30	trace	0.17	0	Blebs on probe and tape		
30b	1/31/11	11:35	34.62	0.25	0.08	Blebs on probe and tape		
30b	1/31/11	11:40	34.61	0.33	0.09	Blebs on probe and tape		
30b	1/31/11	11:45	34.52	0.42	0.18	Blebs on probe and tape		
30b	1/31/11	11:50	34.65	0.50	0.05	3rd well evacuation from 11:50 until 12:05		
30c	1/31/11	12:05	NM	0.00	0	Well evacuation complete		0.1
30c	1/31/11	12:10	NM	0.08	0	Blebs on probe and tape		
30c	1/31/11	12:15	NM	0.17	0	Blebs on probe and tape		
30c	1/31/11	12:20	trace	0.25	0	Blebs on probe and tape		
30c	1/31/11	12:25	34.69	0.33	0.01	Blebs on probe and tape		
30c	1/31/11	12:30	34.63	0.42	0.07	Blebs on probe and tape		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
30c	1/31/11	12:35	NM	0.50	0	4th well evacuation from 12:35 until 12:50		
30d	1/31/11	12:50	NM	0.00	0	Well evacuation complete		0.0
30d	1/31/11	12:55	NM	0.08	0	Blebs on probe and tape		
30d	1/31/11	13:00	NM	0.17	0	Blebs on probe and tape		
30d	1/31/11	13:05	trace	0.25	0	Blebs on probe and tape		
30d	1/31/11	13:10	34.68	0.33	0	Blebs on probe and tape		
30d	1/31/11	13:15	34.68	0.42	0.02	Blebs on probe and tape		
30d	1/31/11	13:20	34.66	0.50	0.04	5th well evacuation from 13:20 until 13:35		
30e	1/31/11	13:35	NM	0.00	0	Well evacuation complete		0.1
30e	1/31/11	13:40	NM	0.08	0	Blebs on probe and tape		
30e	1/31/11	13:45	NM	0.17	0	Blebs on probe and tape		
30e	1/31/11	13:50	34.68	0.25	0.02	Blebs on probe and tape		
30e	1/31/11	13:55	34.60	0.33	0	Blebs on probe and tape		
30e	1/31/11	14:00	34.62	0.42	0	Blebs on probe and tape		
30e	1/31/11	14:05	34.10	0.50	0.60	6th well evacuation from 14:05 until 14:20		
30f	1/31/11	14:20	NM	0.00	0	Well evacuation complete		1.6
30f	1/31/11	14:25	NM	0.08	0	Blebs on probe and tape		
30f	1/31/11	14:30	NM	0.17	0	Blebs on probe and tape		
30f	1/31/11	14:35	34.60	0.25	0.10	Blebs on probe and tape		
30f	1/31/11	14:40	34.55	0.33	0.15	Blebs on probe and tape		
30f	1/31/11	14:45	34.53	0.42	0.17	Blebs on probe and tape		
30f	1/31/11	14:50	34.49	0.50	0.21	7th well evacuation from 14:50 until 15:05		
30g	1/31/11	15:05	NM	0.00	0	Well evacuation complete	842	0.5
30g	1/31/11	15:10	NM	0.08	0	Blebs on probe and tape		
30g	1/31/11	15:15	NM	0.17	0	Blebs on probe and tape		
30g	1/31/11	15:20	trace	0.25	0	Blebs on probe and tape		
30g	1/31/11	15:25	trace	0.33	0	Blebs on probe and tape		
30g	1/31/11	15:30	34.65	0.42	0.05	Blebs on probe and tape		
30g	1/31/11	15:35	34.67	0.50	0.03	Blebs on probe and tape		
30g	4/29/11	7:59	NM	2104.90	0	1st well evacuation from 7:59 until 8:14		0.1
31a	4/29/11	8:14	NM	0.00	0	Well evacuation complete		
31a	4/29/11	8:19	NM	0.08	0	Blebs on probe and tape		
31a	4/29/11	8:24	34.70	0.17	0	Blebs on probe and tape		
31a	4/29/11	8:29	34.70	0.25	0	Blebs on probe and tape		
31a	4/29/11	8:34	34.70	0.33	0	Blebs on probe and tape		
31a	4/29/11	8:39	34.70	0.42	0	Blebs on probe and tape		
31a	4/29/11	8:44	34.70	0.50	0	2nd well evacuation from 8:50 until 9:05		
31b	4/29/11	9:05	NM	0.00	0	Well evacuation complete		0.0
31b	4/29/11	9:10	NM	0.08	0	Blebs on probe and tape		
31b	4/29/11	9:15	34.70	0.17	0	Blebs on probe and tape		
31b	4/29/11	9:20	34.70	0.25	0	Blebs on probe and tape		
31b	4/29/11	9:25	34.70	0.33	0	Blebs on probe and tape		
31b	4/29/11	9:30	34.69	0.42	0.01	Blebs on probe and tape		
31b	4/29/11	9:35	34.69	0.50	0.01	3rd well evacuation from 9:35 until 9:50		
31c	4/29/11	9:50	NM	0.00	0	Well evacuation complete		0.0
31c	4/29/11	9:55	NM	0.08	0	Blebs on probe and tape		
31c	4/29/11	10:00	34.70	0.17	0	Blebs on probe and tape		
31c	4/29/11	10:05	34.70	0.25	0	Blebs on probe and tape		
31c	4/29/11	10:10	34.70	0.33	0	Blebs on probe and tape		
31c	4/29/11	10:15	34.69	0.42	0.01	Blebs on probe and tape		
31c	4/29/11	10:20	34.69	0.50	0.01	4th well evacuation from 10:20 until 10:35		
31d	4/29/11	10:35	NM	0.00	0	Well evacuation complete		0.0
31d	4/29/11	10:40	NM	0.08	0	Blebs on probe and tape		
31d	4/29/11	10:45	34.70	0.17	0	Blebs on probe and tape		
31d	4/29/11	10:50	34.68	0.25	0.02	Blebs on probe and tape		
31d	4/29/11	10:55	34.68	0.33	0.02	Blebs on probe and tape		
31d	4/29/11	11:00	34.68	0.42	0.02	Blebs on probe and tape		
31d	4/29/11	11:05	34.68	0.50	0.02	5th well evacuation from 11:10 until 11:25		
31e	4/29/11	11:25	NM	0.00	0	Well evacuation complete		0.1
31e	4/29/11	11:30	NM	0.08	0	Blebs on probe and tape		
31e	4/29/11	11:35	NM	0.17	0	Blebs on probe and tape		
31e	4/29/11	11:40	34.67	0.25	0.03	Blebs on probe and tape		
31e	4/29/11	11:45	34.68	0.33	0.02	Blebs on probe and tape		
31e	4/29/11	11:50	34.68	0.42	0.02	Blebs on probe and tape		
31e	4/29/11	11:55	34.68	0.50	0.02	6th well evacuation from 11:55 until 1210		
31f	4/29/11	12:10	NM	0.00	0	Well evacuation complete		0.1
31f	4/29/11	12:15	NM	0.08	0	Blebs on probe and tape		
31f	4/29/11	12:20	34.70	0.17	0	Blebs on probe and tape		
31f	4/29/11	12:25	34.70	0.25	0	Blebs on probe and tape		
31f	4/29/11	12:30	34.70	0.33	0	Blebs on probe and tape		
31f	4/29/11	12:35	34.70	0.42	0	Blebs on probe and tape		
31f	4/29/11	12:40	34.69	0.50	0.01	7th well evacuation from 11:55 until 1210		
31g	4/29/11	13:00	NM	0.00	0	Well evacuation complete	936	0.0
31g	4/29/11	13:05	NM	0.08	0	Blebs on probe and tape		
31g	4/29/11	13:10	34.68	0.17	0.02	Blebs on probe and tape		
31g	4/29/11	13:15	34.68	0.25	0.02	Blebs on probe and tape		
31g	4/29/11	13:20	34.68	0.33	0.02	Blebs on probe and tape		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
31g	4/29/11	13:25	34.68	0.42	0.02	Blebs on probe and tape		
31g	4/29/11	13:30	34.68	0.50	0.02	Blebs on probe and tape		
31g	7/29/11	7:46	NM	2178.77	0	1st well evacuation from 7:46 until 8:01		
32a	7/29/11	8:02	NM	0.00	0	Well evacuation complete		0.0
32a	7/29/11	8:07	NM	0.08	0	Blebs on probe and tape		
32a	7/29/11	8:12	NM	0.17	0	Blebs on probe and tape		
32a	7/29/11	8:17	NM	0.25	0	Blebs on probe and tape		
32a	7/29/11	8:22	NM	0.33	0	Blebs on probe and tape		
32a	7/29/11	8:27	NM	0.42	0	Blebs on probe and tape		
32a	7/29/11	8:32	NM	0.50	0	2nd well evacuation from 8:33 until 8:48		
32b	7/29/11	8:49	NM	0.00	0	Well evacuation complete		0.0
32b	7/29/11	8:54	NM	0.08	0	Blebs on probe and tape		
32b	7/29/11	8:59	NM	0.17	0	Blebs on probe and tape		
32b	7/29/11	9:04	NM	0.25	0	Blebs on probe and tape		
32b	7/29/11	9:09	NM	0.33	0	Blebs on probe and tape		
32b	7/29/11	9:14	NM	0.42	0	Blebs on probe and tape		
32b	7/29/11	9:19	NM	0.50	0	3rd well evacuation from 9:20 until 9:35		
32c	7/29/11	9:36	34.70	0.00	0	Well evacuation complete		0.0
32c	7/29/11	9:41	34.70	0.08	0	Blebs on probe and tape		
32c	7/29/11	9:46	NM	0.17	0	Blebs on probe and tape		
32c	7/29/11	9:51	NM	0.25	0	Blebs on probe and tape		
32c	7/29/11	9:56	NM	0.33	0	Blebs on probe and tape		
32c	7/29/11	10:01	NM	0.42	0	Blebs on probe and tape		
32c	7/29/11	10:06	34.70	0.50	0	4th well evacuation from 10:07 until 10:22		
32d	7/29/11	10:23	34.70	0.00	0	Well evacuation complete		0.0
32d	7/29/11	10:28	34.70	0.08	0	Blebs on probe and tape		
32d	7/29/11	10:33	34.70	0.17	0	Blebs on probe and tape		
32d	7/29/11	10:38	34.70	0.25	0	Blebs on probe and tape		
32d	7/29/11	10:43	34.70	0.33	0	Blebs on probe and tape		
32d	7/29/11	10:48	34.70	0.42	0	Blebs on probe and tape		
32d	7/29/11	10:53	34.70	0.50	0	5th well evacuation from 10:54 until 11:09		
32e	7/29/11	11:10	34.70	0.00	0	Well evacuation complete		0.0
32e	7/29/11	11:15	34.70	0.08	0	Blebs on probe and tape		
32e	7/29/11	11:20	34.70	0.17	0	Blebs on probe and tape		
32e	7/29/11	11:25	34.70	0.25	0	Blebs on probe and tape		
32e	7/29/11	11:30	34.70	0.33	0	Blebs on probe and tape		
32e	7/29/11	11:35	34.70	0.42	0	Blebs on probe and tape		
32e	7/29/11	11:40	34.70	0.50	0	6th well evacuation from 11:41 until 11:56		
32f	7/29/11	11:57	NM	0.00	0	Well evacuation complete		0.0
32f	7/29/11	12:02	NM	0.08	0	Blebs on probe and tape		
32f	7/29/11	12:07	NM	0.17	0	Blebs on probe and tape		
32f	7/29/11	12:12	NM	0.25	0	Blebs on probe and tape		
32f	7/29/11	12:17	NM	0.33	0	Blebs on probe and tape		
32f	7/29/11	12:22	NM	0.42	0	Blebs on probe and tape		
32f	7/29/11	12:27	NM	0.50	0	7th well evacuation from 12:28 until 12:43		
32g	7/29/11	12:44	NM	0.00	0	Well evacuation complete	736	0.0
32g	7/29/11	12:49	NM	0.08	0	Blebs on probe and tape		
32g	7/29/11	12:54	NM	0.17	0	Blebs on probe and tape		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
32g	7/29/11	12:59	NM	0.25	0	Blebs on probe and tape		
32g	7/29/11	13:04	NM	0.33	0	Blebs on probe and tape		
32g	7/29/11	13:09	NM	0.42	0	Blebs on probe and tape		
32g	10/28/11	7:22	NM	2178.63	0	1st well evacuation from 7:22 until 7:37		
33a	10/28/11	7:37	NM	0.00	0	Well evacuation complete		0.0
33a	10/28/11	7:42	NM	0.08	0			
33a	10/28/11	7:47	NM	0.17	0			
33a	10/28/11	7:52	NM	0.25	0			
33a	10/28/11	7:57	NM	0.33	0			
33a	10/28/11	8:02	NM	0.42	0			
33a	10/28/11	8:07	NM	0.50	0	2nd well evacuation from 8:10 until 8:25		
33b	10/28/11	8:25	NM	0.00	0	Well evacuation complete		0.0
33b	10/28/11	8:30	NM	0.08	0			
33b	10/28/11	8:35	NM	0.17	0			
33b	10/28/11	8:40	NM	0.25	0			
33b	10/28/11	8:45	NM	0.33	0			
33b	10/28/11	8:50	NM	0.42	0			
33b	10/28/11	8:55	NM	0.50	0	3rd well evacuation from 9:55 until 9:10		
33c	10/28/11	9:10	34.68	0.00	0.02	Well evacuation complete		0.0
33c	10/28/11	9:15	34.67	0.08	0.03			
33c	10/28/11	9:20	34.67	0.17	0.03			
33c	10/28/11	9:25	34.70	0.25	0			
33c	10/28/11	9:30	34.66	0.33	0.04			
33c	10/28/11	9:35	34.65	0.42	0.05			
33c	10/28/11	9:40	34.57	0.50	0.13	4th well evacuation from 9:40 until 9:55		
33d	10/28/11	9:55	NM	0.00	0	Well evacuation complete		0.3
33d	10/28/11	10:00	34.62	0.08	0.08			
33d	10/28/11	10:05	34.61	0.17	0.09			
33d	10/28/11	10:10	34.59	0.25	0.11			
33d	10/28/11	10:15	34.58	0.33	0.12			
33d	10/28/11	10:20	34.59	0.42	0.11			
33d	10/28/11	10:25	34.56	0.50	0.14	5th well evacuation from 10:25 until 10:40		
33e	10/28/11	10:40	NM	0.00	0	Well evacuation complete		0.4
33e	10/28/11	10:45	34.69	0.08	0.01			
33e	10/28/11	10:50	34.70	0.17	0			
33e	10/28/11	10:55	34.67	0.25	0.03			
33e	10/28/11	11:00	34.65	0.33	0.05			
33e	10/28/11	11:05	34.66	0.42	0.04			
33e	10/28/11	11:10	34.60	0.50	0.1	6th well evacuation from 11:10 until 11:25		
33f	10/28/11	11:25	NM	0.00	0	Well evacuation complete		0.3
33f	10/28/11	11:30	NM	0.08	0			
33f	10/28/11	11:35	NM	0.17	0			
33f	10/28/11	11:40	NM	0.25	0			
33f	10/28/11	11:45	NM	0.33	0			
33f	10/28/11	11:50	NM	0.42	0			
33f	10/28/11	11:55	NM	0.50	0	7th well evacuation from 11:55 until 12:10		
33g	10/28/11	12:10	NM	0.00	0	Well evacuation complete	550	0.0
33g	10/28/11	12:15	NM	0.08	0			
33g	10/28/11	12:20	NM	0.17	0			
33g	10/28/11	12:25	NM	0.25	0			
33g	10/28/11	12:30	NM	0.33	0			
33g	10/28/11	12:35	NM	0.42	0			
33g	10/28/11	12:40	NM	0.50	0			
33g	1/27/12	8:30	NM	2180.33	0	1st well evacuation from 8:30 until 8:45		
34a	1/27/12	8:45	NM	0.00	0	Well evacuation complete		0.0
34a	1/27/12	8:50	NM	0.08	0			
34a	1/27/12	8:55	NM	0.17	0			
34a	1/27/12	9:00	NM	0.25	0			
34a	1/27/12	9:05	NM	0.33	0			
34a	1/27/12	9:10	NM	0.42	0			
34a	1/27/12	9:15	NM	0.50	0	2nd well evacuation from 9:15 until 9:30		
34b	1/27/12	9:30	NM	0.00	0	Well evacuation complete		0.0
34b	1/27/12	9:35	NM	0.08	0			
34b	1/27/12	9:40	NM	0.17	0			
34b	1/27/12	9:45	NM	0.25	0			
34b	1/27/12	9:50	NM	0.33	0			
34b	1/27/12	9:55	NM	0.42	0			
34b	1/27/12	10:00	NM	0.50	0	3rd well evacuation from 10:00 until 10:15		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
34c	1/27/12	10:15	NM	0.00	0	Well evacuation complete		0.0
34c	1/27/12	10:20	NM	0.08	0			
34c	1/27/12	10:25	NM	0.17	0			
34c	1/27/12	10:30	NM	0.25	0			
34c	1/27/12	10:35	NM	0.33	0			
34c	1/27/12	10:40	NM	0.42	0			
34c	1/27/12	10:45	NM	0.50	0	4th well evacuation from 10:45 until 11:00		
34d	1/27/12	11:00	NM	0.00	0	Well evacuation complete		0.0
34d	1/27/12	11:05	NM	0.08	0			
34d	1/27/12	11:10	NM	0.17	0			
34d	1/27/12	11:15	NM	0.25	0			
34d	1/27/12	11:20	NM	0.33	0			
34d	1/27/12	11:25	NM	0.42	0			
34d	1/27/12	11:30	NM	0.50	0	5th well evacuation from 11:30 until 11:45		
34e	1/27/12	11:45	NM	0.00	0	Well evacuation complete		0.0
34e	1/27/12	11:50	NM	0.08	0			
34e	1/27/12	11:55	NM	0.17	0			
34e	1/27/12	12:00	NM	0.25	0			
34e	1/27/12	12:05	NM	0.33	0			
34e	1/27/12	12:10	NM	0.42	0			
34e	1/27/12	12:15	NM	0.50	0	6th well evacuation from 12:15 until 12:30		
34f	1/27/12	12:30	NM	0.00	0	Well evacuation complete		0.0
34f	1/27/12	12:35	NM	0.08	0			
34f	1/27/12	12:40	NM	0.17	0			
34f	1/27/12	12:45	NM	0.25	0			
34f	1/27/12	12:50	NM	0.33	0			
34f	1/27/12	12:55	NM	0.42	0			
34f	1/27/12	13:00	NM	0.50	0	7th well evacuation from 13:00 until 13:15		
34g	1/27/12	13:15	NM	0.00	0	Well evacuation complete	550	0.0
34g	1/27/12	13:20	NM	0.08	0			
34g	1/27/12	13:25	NM	0.17	0			
34g	1/27/12	13:30	NM	0.25	0			
34g	1/27/12	13:35	NM	0.33	0			
34g	1/27/12	13:40	NM	0.42	0			
34g	1/27/12	13:45	NM	0.50	0			
34g	4/2/12	8:30	34.67	1579.25	0.03	1st well evacuation from 8:13 until 8:28		
35a	4/2/12	8:28	NM	0.00	0	Well evacuation complete		0.1
35a	4/2/12	8:33	NM	0.08	0			
35a	4/2/12	8:38	NM	0.17	0			
35a	4/2/12	8:43	NM	0.25	0			
35a	4/2/12	8:48	NM	0.33	0			
35a	4/2/12	8:53	NM	0.42	0			
35a	4/2/12	8:58	NM	0.50	0	2nd well evacuation from 8:58 until 9:13		
35b	4/2/12	9:13	NM	0.00	0	Well evacuation complete		0.0
35b	4/2/12	9:18	NM	0.08	0			
35b	4/2/12	9:23	NM	0.17	0			
35b	4/2/12	9:28	NM	0.25	0			
35b	4/2/12	9:33	34.70	0.33	0			
35b	4/2/12	9:38	34.70	0.42	0			
35b	4/2/12	9:43	34.70	0.50	0	3rd well evacuation from 9:43 until 9:58		
35c	4/2/12	9:58	NM	0.00	0	Well evacuation complete		0.0
35c	4/2/12	10:03	NM	0.08	0			
35c	4/2/12	10:08	NM	0.17	0			
35c	4/2/12	10:13	34.70	0.25	0			
35c	4/2/12	10:18	34.69	0.33	0.01			
35c	4/2/12	10:23	34.69	0.42	0.01			
35c	4/2/12	10:28	34.69	0.50	0.01	4th well evacuation from 10:28 until 10:43		
35d	4/2/12	10:43	NM	0.00	0	Well evacuation complete		0.0
35d	4/2/12	10:48	NM	0.08	0			
35d	4/2/12	10:53	NM	0.17	0			
35d	4/2/12	10:58	NM	0.25	0			
35d	4/2/12	11:03	NM	0.33	0			
35d	4/2/12	11:08	34.70	0.42	0			
35d	4/2/12	11:13	34.70	0.50	0	5th well evacuation from 11:13 until 11:28		
35e	4/2/12	11:28	NM	0.00	0	Well evacuation complete		0.0
35e	4/2/12	11:33	34.70	0.08	0			
35e	4/2/12	11:38	34.70	0.17	0			
35e	4/2/12	11:43	34.70	0.25	0			
35e	4/2/12	11:48	34.69	0.33	0.01			
35e	4/2/12	11:53	34.69	0.42	0.01			
35e	4/2/12	11:58	34.69	0.50	0.01	6th well evacuation from 11:58 until 12:18		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
35f	4/2/12	12:18	NM	0.00	0	Well evacuation complete		0.0
35f	4/2/12	12:23	34.70	0.08	0			
35f	4/2/12	12:28	34.69	0.17	0.01			
35f	4/2/12	12:33	34.68	0.25	0.02			
35f	4/2/12	12:38	34.67	0.33	0.03			
35f	4/2/12	12:43	34.67	0.42	0.03			
35f	4/2/12	12:48	34.66	0.50	0.04	7th well evacuation from 12:48 until 13:03		
35g	4/2/12	13:03	34.70	0.00	0	Well evacuation complete	550	0.1
35g	4/2/12	13:08	34.69	0.08	0.01			
35g	4/2/12	13:13	34.67	0.17	0.03			
35g	4/2/12	13:18	34.67	0.25	0.03			
35g	4/2/12	13:23	34.66	0.33	0.04			
35g	4/2/12	13:28	34.66	0.42	0.04			
35g	4/2/12	13:33	34.65	0.50	0.05			
35g	7/25/12	7:55	34.55	2730.87	0.15	1st well evacuation from 7:55 until 8:10		
36a	7/25/12	8:10	NM	0.00	0	Well evacuation complete		0.4
36a	7/25/12	8:15	NM	0.08	0			
36a	7/25/12	8:20	NM	0.17	0			
36a	7/25/12	8:25	NM	0.25	0			
36a	7/25/12	8:30	NM	0.33	0			
36a	7/25/12	8:35	NM	0.42	0			
36a	7/25/12	8:40	NM	0.50	0	2nd well evacuation from 8:40 until 8:55		
36b	7/25/12	8:55	NM	0.00	0	Well evacuation complete		0.0
36b	7/25/12	9:00	NM	0.08	0			
36b	7/25/12	9:05	NM	0.17	0			
36b	7/25/12	9:10	NM	0.25	0			
36b	7/25/12	9:15	NM	0.33	0			
36b	7/25/12	9:20	NM	0.42	0			
36b	7/25/12	9:25	NM	0.50	0	3rd well evacuation from 9:25 until 9:40		
36c	7/25/12	9:40	NM	0.00	0	Well evacuation complete		0.0
36c	7/25/12	9:45	34.70	0.08	0			
36c	7/25/12	9:50	34.70	0.17	0			
36c	7/25/12	9:55	34.70	0.25	0			
36c	7/25/12	10:00	34.70	0.33	0			
36c	7/25/12	10:05	34.70	0.42	0			
36c	7/25/12	10:10	34.69	0.50	0.01	4th well evacuation from 10:10 until 10:25		
36d	7/25/12	10:25	34.70	0.00	0	Well evacuation complete		0.0
36d	7/25/12	10:30	34.69	0.08	0.01			
36d	7/25/12	10:35	34.69	0.17	0.01			
36d	7/25/12	10:40	34.69	0.25	0.01			
36d	7/25/12	10:45	34.69	0.33	0.01			
36d	7/25/12	10:50	34.69	0.42	0.01			
36d	7/25/12	10:55	34.68	0.50	0.02	5th well evacuation from 10:55 until 11:10		
36e	7/25/12	11:10	34.70	0.00	0	Well evacuation complete		0.1
36e	7/25/12	11:15	34.70	0.08	0			
36e	7/25/12	11:20	34.69	0.17	0.01			
36e	7/25/12	11:25	34.69	0.25	0.01			
36e	7/25/12	11:30	34.69	0.33	0.01			
36e	7/25/12	11:35	34.69	0.42	0.01			
36e	7/25/12	11:40	34.69	0.50	0.01	6th well evacuation from 11:40 until 11:55		
36f	7/25/12	11:55	NM	0.00	0	Well evacuation complete		0.0
36f	7/25/12	12:00	NM	0.08	0			
36f	7/25/12	12:05	NM	0.17	0			
36f	7/25/12	12:10	34.70	0.25	0			
36f	7/25/12	12:15	34.70	0.33	0			
36f	7/25/12	12:20	34.70	0.42	0			
36f	7/25/12	12:25	34.70	0.50	0	7th well evacuation from 12:25 until 12:40		
36g	7/25/12	12:40	NM	0.00	0	Well evacuation complete	520	0.0
36g	7/25/12	12:45	NM	0.08	0			
36g	7/25/12	12:50	NM	0.17	0			
36g	7/25/12	12:55	NM	0.25	0			
36g	7/25/12	13:00	NM	0.33	0			
36g	7/25/12	13:05	NM	0.42	0			
36g	7/25/12	13:10	NM	0.50	0			
36g	11/15/12	8:00	34.65	2707.33	0.05	1st well evacuation from 8:46 until 9:01		

Recovery Event	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Volume Removed (gallons)	Measured DNAPL Vol Removed (gallons)
37a	11/15/12	9:01	34.65	0.00	0.05	Well evacuation complete		0.0
37a	11/15/12	9:06	34.65	0.08	0.05			
37a	11/15/12	9:11	34.65	0.17	0.05			
37a	11/15/12	9:16	34.65	0.25	0.05			
37a	11/15/12	9:21	34.65	0.33	0.05			
37a	11/15/12	9:26	34.65	0.42	0.05			
37a	11/15/12	9:31	34.65	0.50	0.05	2nd well evacuation from 9:31 until 9:46		
37b	11/15/12	9:46	NM	0.00	0	Well evacuation complete		0.1
37b	11/15/12	9:51	NM	0.08	0			
37b	11/15/12	9:56	NM	0.17	0			
37b	11/15/12	10:01	NM	0.25	0			
37b	11/15/12	10:06	NM	0.33	0			
37b	11/15/12	10:11	NM	0.42	0			
37b	11/15/12	10:16	NM	0.50	0	3rd well evacuation from 10:16 until 10:31		
37c	11/15/12	10:31	NM	0.00	0	Well evacuation complete		0.0
37c	11/15/12	10:36	NM	0.08	0			
37c	11/15/12	10:41	NM	0.17	0			
37c	11/15/12	10:46	NM	0.25	0			
37c	11/15/12	10:51	NM	0.33	0			
37c	11/15/12	10:56	NM	0.42	0			
37c	11/15/12	11:01	NM	0.50	0	4th well evacuation from 11:01 until 11:16		
37d	11/15/12	11:16	NM	0.00	0	Well evacuation complete		0.0
37d	11/15/12	11:21	NM	0.08	0			
37d	11/15/12	11:26	NM	0.17	0			
37d	11/15/12	11:31	34.69	0.25	0.01			
37d	11/15/12	11:36	34.69	0.33	0.01			
37d	11/15/12	11:41	34.69	0.42	0.01			
37d	11/15/12	11:46	34.68	0.50	0.02	5th well evacuation from 11:46 until 12:01		
37e	11/15/12	12:01	NM	0.00	0	Well evacuation complete		0.1
37e	11/15/12	12:06	34.69	0.08	0.01			
37e	11/15/12	12:11	34.69	0.17	0.01			
37e	11/15/12	12:16	34.68	0.25	0.02			
37e	11/15/12	12:21	34.68	0.33	0.02			
37e	11/15/12	12:26	34.68	0.42	0.02			
37e	11/15/12	12:31	34.67	0.50	0.03	6th well evacuation from 12:31 until 12:46		
37f	11/15/12	12:46	NM	0.00	0	Well evacuation complete		0.1
37f	11/15/12	12:51	NM	0.08	0			
37f	11/15/12	12:56	NM	0.17	0			
37f	11/15/12	13:01	34.69	0.25	0.01			
37f	11/15/12	13:06	34.69	0.33	0.01			
37f	11/15/12	13:11	34.69	0.42	0.01			
37f	11/15/12	13:16	34.69	0.50	0.01	7th well evacuation from 13:16 until 13:31		
37g	11/15/12	13:31	NM	0.00	0	Well evacuation complete	379	0.0
37g	11/15/12	13:36	NM	0.08	0			
37g	11/15/12	13:41	NM	0.17	0			
37g	11/15/12	13:46	34.69	0.25	0.01			
37g	11/15/12	13:51	34.69	0.33	0.01			
37g	11/15/12	13:56	34.69	0.42	0.01			
37g	11/15/12	14:01	34.69	0.50	0.01			
38a	2/28/13	13:35	-	-	-	1st well evacuation from 13:35 until 13:40	42	0.0
						Total Recovery to Date:	**23,606**	**103.2**

Notes:
1. DNAPL = dense non-aqueous phase liquid.
2. NM = Not Measured

Date	Total Fluid Recovery (gal)	Measured DNAPL Recovered (gal)	Time Since Last Event (days)	Average Daily Recovery (gal per day)	DNAPL as a Percentage of Total Fluid Recovered
10/7/08	500	15.6	N/A	--	3.120%
11/3/08	265	2.2	27	0.081	0.830%
12/3/08	300	3.4	30	0.113	1.133%
12/15/08	490	7.8	12	0.650	1.592%
12/29/08	165	5.0	14	0.357	3.030%
1/5/09	390	2.7	7	0.386	0.692%
2/24/09	377	2.3	50	0.046	0.610%
3/27/09	633	7.1	31	0.229	1.122%
4/27/09	470	5.9	31	0.190	1.255%
5/29/09	662	2.1	32	0.066	0.317%
6/26/09	576	4.2	28	0.150	0.729%
7/31/09	595	4.0	35	0.114	0.672%
8/28/09	655	2.7	28	0.096	0.412%
9/30/09	550	2.3	33	0.070	0.418%
10/29/09	750	2.2	29	0.076	0.293%
11/20/09	823	2.9	22	0.132	0.352%
12/22/09	798	2.9	32	0.091	0.363%
1/22/10	736	1.6	31	0.052	0.217%
2/24/10	833	3.6	33	0.109	0.432%
3/26/10	833	3.8	30	0.127	0.456%
4/23/10	775	2.6	28	0.093	0.335%
5/21/10	743	0.3	28	0.011	0.040%
6/25/10	750	2.2	35	0.063	0.293%
7/30/10	889	3.8	35	0.109	0.427%
8/27/10	936	2.3	28	0.082	0.246%
9/24/10	736	0.2	28	0.007	0.027%
10/29/10	862	0.0	35	0.000	0.000%
11/24/10	833	0.1	26	0.004	0.012%
12/23/10	576	0.0	29	0.000	0.000%
1/31/11	842	5.1	39	0.131	0.606%
4/29/11	936	0.3	88	0.003	0.032%
7/29/11	736	0.0	91	0.000	0.000%
10/28/11	550	1.0	91	0.011	0.182%
1/27/12	550	0.0	91	0.000	0.000%
4/2/12	550	0.2	66	0.003	0.036%
7/25/12	520	0.5	114	0.004	0.096%
11/15/12	379	0.3	113	0.003	0.079%
Total	**23,564**	**103.2**	**--**	**--**	**0.438%**

Note:

1. DNAPL = dense non-aqueous phase liquid.

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
1	a	7/25/2012	8:45	NM	0.17	0	1st well evacuation from 8:25 until 8:35		2.6
			8:50	41.45	0.25	0.05	2nd well evacuation from 9:00 until 9:15		
	b	7/25/2012	9:20	41.35	0.08	0.15	Well evacuation complete		0.1
			9:30	41.14	0.25	0.36			
			9:35	41.04	0.33	0.46	3rd well evacuation from 9:45 until 10:00		
	c	7/25/2012	10:00	41.30	0	0.2	Well evacuation complete		0.7
			10:15	41.02	0.25	0.48			
			10:30	39.87	0.5	1.63	4th well evacuation from 10:40 until 10:50		
	d	7/25/2012	10:55	40.85	0.08	0.65	Well evacuation complete		2.4
			11:05	40.44	0.25	1.06			
			11:15	40.28	0.42	1.22	5th well evacuation from 11:20 until 11:30		
	e	7/25/2012	11:35	40.48	0.08	1.02	Well evacuation complete		1.8
			11:45	40.45	0.25	1.05			
			11:50	40.43	0.33	1.07	6th well evacuation from 12:05 until 12:15		
	f	7/25/2012	12:20	40.48	0.25	1.02	Well evacuation complete	216	1.6
			12:30	40.04	0.42	1.46			
			12:40	39.85	0.58	1.65			
2	a	11/15/2012	9:24	NM	0	0	1st well evacuation completed from 9:13 until 9:24		8.5
			9:32	41.40	0.13	0.02			
			9:37	41.38	0.22	0.04			
			9:42	41.23	0.3	0.19	2nd well evacuation from 9:55 until 10:06		
	b	11/15/2012	10:08	41.42	0.03	0	Well evacuation complete		0.3
			10:19	41.08	0.22	0.34			
			10:25	40.78	0.32	0.64			
			10:48	40.34	0.7	1.08			
			11:05	40.26	0.98	1.16	3rd well evacuation from 11:22 until 11:36		
	c	11/15/2012	11:48	41.21	0.2	0.23	Well evacuation complete		1.7
			11:53	41.04	0.28	0.4			
			12:03	40.81	0.45	0.63			
			12:09	40.72	0.55	0.72			
			12:20	40.61	0.73	0.83			
			12:50	40.21	1.23	1.23	4th well evacuation from 12:52 until 13:08		
	d	11/15/2012	13:09	41.42	0.02	0.02	Well evacuation complete	232	1.8
			13:20	41.21	0.2	0.23			
			13:25	41.00	0.28	0.44			
			13:39	40.71	0.52	0.73			
			13:52	40.47	0.73	0.97			
3	a	2/28/2013	7:39	39.01	0	2.43	1st well evacuation completed from 7:24 until 7:39		1.9
			7:44	37.07	0.08	4.37			
			7:49	36.58	0.17	4.86			
			7:54	36.52	0.25	4.92			
			7:59	36.36	0.33	5.08			
			8:04	36.17	0.42	5.27			
			8:09	36.09	0.5	5.35	2nd well evacuation from 8:09 until 8:24		
	b	2/28/2013	8:24	NM	0	0	Well evacuation complete		7.9
			8:29	41.22	0.08	0.2			
			8:34	41.06	0.17	0.36			
			8:39	41.00	0.25	0.42			
			8:44	40.93	0.33	0.49			
			8:49	40.84	0.42	0.58			
			8:54	40.74	0.5	0.68	3rd well evacuation from 8:54 until 9:09		
	c	2/28/2013	9:09	NM	0	0	Well evacuation complete		1.0
			9:14	41.37	0.08	0.05			
			9:19	41.27	0.17	0.15			
			9:24	41.12	0.25	0.3			
			9:29	40.99	0.33	0.43			
			9:34	40.86	0.42	0.56			
			9:39	40.76	0.5	0.66	4th well evacuation from 9:39 until 9:54		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
3	d	2/28/2013	9:54	NM	0	0	Well evacuation complete		1.0
			9:59	41.36	0.08	0.06			
			10:04	41.28	0.17	0.14			
			10:09	41.08	0.25	0.34			
			10:14	40.91	0.33	0.51			
			10:19	40.75	0.42	0.67			
			10:24	40.71	0.5	0.71	5th well evacuation from 10:24 until 10:39		
	e	2/28/2013	10:39	NM	0	0	Well evacuation complete		1.0
			10:44	41.38	0.08	0.04			
			10:49	41.26	0.17	0.16			
			10:54	41.11	0.25	0.31			
			10:59	41.06	0.33	0.36			
			11:04	40.91	0.42	0.51			
			11:09	40.76	0.5	0.66	6th well evacuation from 11:09 until 11:24		
	f	2/28/2013	11:24	NM	0	0	Well evacuation complete		1.0
			11:29	41.35	0.08	0.07			
			11:34	41.25	0.17	0.17			
			11:39	41.10	0.25	0.32			
			11:44	40.95	0.33	0.47			
			11:49	40.79	0.42	0.63			
			11:54	40.74	0.5	0.68	7th well evacuation from 11:54 until 12:09		
	g	2/28/2013	12:09	NM	0	0	Well evacuation complete	508	1.0
			12:14	41.40	0.08	0.02			
			12:19	41.24	0.17	0.18			
			12:24	41.17	0.25	0.25			
			12:29	40.92	0.33	0.5			
			12:34	40.89	0.42	0.53			
			12:39	40.79	0.5	0.63			
4	a	5/31/2013	7:15	41.35	0	0.07	1st well evacuation completed from 7:00 until 7:15		3.7
			7:20	40.92	0.08	0.5			
			7:25	40.69	0.17	0.73			
			7:30	40.60	0.25	0.82			
			7:35	40.42	0.33	1			
			7:40	40.34	0.42	1.08			
			7:45	40.27	0.5	1.15	2nd well evacuation from 7:45 until 8:00		
	b	5/31/2013	8:00	NM	0	0	Well evacuation complete		1.7
			8:05	41.42	0.08	0			
			8:10	41.29	0.17	0.13			
			8:15	41.19	0.25	0.23			
			8:20	40.94	0.33	0.48			
			8:25	40.79	0.42	0.63			
			8:30	40.70	0.5	0.72	3rd well evacuation from 8:30 until 8:45		
	c	5/31/2013	8:45	NM	0	0	Well evacuation complete		1.1
			8:50	41.40	0.08	0.02			
			8:55	41.35	0.17	0.07			
			9:00	41.29	0.25	0.13			
			9:05	41.17	0.33	0.25			
			9:10	41.08	0.42	0.34			
			9:15	40.93	0.5	0.49	4th well evacuation from 9:15 until 9:30		
	d	5/31/2013	9:30	NM	0	0	Well evacuation complete		0.7
			9:35	41.41	0.08	0.01			
			9:40	41.36	0.17	0.06			
			9:45	41.15	0.25	0.27			
			9:50	41.09	0.33	0.33			
			9:55	40.99	0.42	0.43			
			10:00	40.88	0.5	0.54	5th well evacuation from 10:00 until 10:15		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
4	e	5/31/2013	10:15	NM	0	0	Well evacuation complete		0.8
			10:20	41.40	0.08	0.02			
			10:25	41.33	0.17	0.09			
			10:30	41.29	0.25	0.13			
			10:35	41.15	0.33	0.27			
			10:40	40.93	0.42	0.49			
			10:45	40.89	0.5	0.53	6th well evacuation from 10:45 until 11:00		
	f	5/31/2013	11:00	NM	0	0	Well evacuation complete		0.8
			11:05	41.41	0.08	0.01			
			11:10	41.35	0.17	0.07			
			11:15	41.10	0.25	0.32			
			11:20	40.96	0.33	0.46			
			11:25	40.88	0.42	0.54			
			11:30	40.80	0.5	0.62	7th well evacuation from 11:30 until 11:45		
	g	5/31/2013	11:45	41.42	0	0	Well evacuation complete	382	0.9
			11:50	41.35	0.08	0.07			
			11:55	41.29	0.17	0.13			
			12:00	41.18	0.25	0.24			
			12:05	41.08	0.33	0.34			
			12:10	40.96	0.42	0.46			
			12:15	40.85	0.5	0.57			
5	a	8/30/2013	8:15	40.95	0	0.47	1st well evacuation completed from 8:00 to 8:15		1.7
			8:20	40.65	0.08	0.77			
			8:25	40.36	0.17	1.06			
			8:30	40.18	0.25	1.24			
			8:35	39.91	0.33	1.51			
			8:40	39.75	0.42	1.67			
			8:45	39.68	0.5	1.74	2nd well evacuation from 8:45 until 9:00		
	b	8/30/2013	9:00	41.12	0	0.3	Well evacuation complete		2.1
			9:05	40.89	0.08	0.53			
			9:10	40.70	0.17	0.72			
			9:15	40.56	0.25	0.86			
			9:20	40.52	0.33	0.9			
			9:25	40.45	0.42	0.97			
			9:30	40.31	0.5	1.11	3rd well evacuation from 9:30 until 9:45		
	c	8/30/2013	9:45	41.21	0	0.21	Well evacuation complete		1.3
			9:50	40.89	0.08	0.53			
			9:55	40.69	0.17	0.73			
			10:00	40.52	0.25	0.9			
			10:05	40.47	0.33	0.95			
			10:10	40.31	0.42	1.11			
			10:15	40.24	0.5	1.18	4th well evacuation from 10:15 until 10:30		
	d	8/30/2013	10:30	41.01	0	0.41	Well evacuation complete		1.1
			10:35	40.91	0.08	0.51			
			10:40	40.81	0.17	0.61			
			10:45	39.93	0.25	1.49			
			10:50	39.84	0.33	1.58			
			10:55	39.78	0.42	1.64			
			11:00	39.74	0.5	1.68	5th well evacuation from 11:00 until 11:15		
	e	8/30/2013	11:15	40.22	0	1.2	Well evacuation complete		0.7
			11:20	39.99	0.08	1.43			
			11:25	39.83	0.17	1.59			
			11:30	39.78	0.25	1.64			
			11:35	39.70	0.33	1.72			
			11:40	39.62	0.42	1.8			
			11:45	39.57	0.5	1.85	6th well evacuation from 11:45 until 12:00		
	f	8/30/2013	12:00	40.18	0	1.24	Well evacuation complete		0.9
			12:05	40.00	0.08	1.42			
			12:10	39.97	0.17	1.45			
			12:15	39.93	0.25	1.49			
			12:20	39.89	0.33	1.53			
			12:25	39.85	0.42	1.57			
			12:30	39.80	0.5	1.62	7th well evacuation from 12:30 until 12:45		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
5	g	8/30/2013	12:45	40.15	0	1.27	Well evacuation complete	170	0.5
			12:50	39.95	0.08	1.47			
			12:55	39.86	0.17	1.56			
			13:00	39.83	0.25	1.59			
			13:05	39.79	0.33	1.63			
			13:10	39.81	0.42	1.61			
			13:15	39.79	0.5	1.63			
6	a	11/26/2013	13:15	38.51	0	2.91	1st well evacuation completed from 13:00 to 13:15		0.0
			13:20	38.22	0.08	3.2			
			13:25	37.70	0.17	3.72			
			13:30	37.40	0.25	4.02			
			13:35	37.29	0.33	4.13			
			13:40	37.25	0.42	4.17			
			13:45	37.19	0.5	4.23	2nd well evacuation from 13:45 to 14:00		
	b	11/26/2013	14:00	37.86	0	3.56	Well evacuation complete		1.0
			14:05	37.73	0.08	3.69			
			14:10	37.61	0.17	3.81			
			14:15	37.53	0.25	3.89			
			14:20	37.44	0.33	3.98			
			14:25	37.37	0.42	4.05			
			14:30	37.31	0.5	4.11	3rd well evacuation from 14:30 to 14:45		
	c	11/26/2013	14:45	ND	0	0	Well evacuation complete		6.0
			14:50	41.40	0.08	0.02			
			14:55	41.38	0.17	0.04			
			15:00	41.22	0.25	0.2			
			15:05	41.09	0.33	0.33			
			15:10	39.98	0.42	1.44			
			15:15	39.87	0.5	1.55	4th well evacuation from 15:15 to 15:30		
	d	11/26/2013	15:30	ND	0	0	Well evacuation complete		2.3
			15:35	ND	0.08	0			
			15:40	41.38	0.17	0.04			
			15:45	41.29	0.25	0.13			
			15:50	41.25	0.33	0.17			
			15:55	41.16	0.42	0.26			
			16:00	41.03	0.5	0.39	5th well evacuation from 16:00 to 16:15		
	e	11/26/2013	16:15	ND	0	0	Well evacuation complete	190	0.6
			16:20	ND	0.08	0			
			16:25	41.40	0.17	0.02			
			16:30	41.35	0.25	0.07			
			16:35	41.30	0.33	0.12			
			16:40	41.21	0.42	0.21			
			16:45	41.15	0.5	0.27			
7	a	3/28/2014	8:30	39.97	0	1.45	1st well evacuation completed from 8:15 to 8:30		0.1
			8:35	37.88	0.08	3.54			
			8:40	35.87	0.17	5.55			
			8:45	37.20	0.25	4.22			
			8:50	37.05	0.33	4.37			
			8:55	37.16	0.42	4.26			
			9:00	37.11	0.5	4.31	2nd well evacuation from 9:00 to 9:15		
	b	3/28/2014	9:15	38.71	0	2.71	Well evacuation complete		2.3
			9:20	38.63	0.08	2.79			
			9:25	38.32	0.17	3.1			
			9:30	38.30	0.25	3.12			
			9:35	38.22	0.33	3.2			
			9:40	38.13	0.42	3.29			
			9:45	38.00	0.5	3.42	3rd well evacuation from 9:45 to 10:00		
	c	3/28/2014	10:00	38.71	0	2.71	Well evacuation complete		1.0
			10:05	38.62	0.08	2.8			
			10:10	38.31	0.17	3.11			
			10:15	38.28	0.25	3.14			
			10:20	38.18	0.33	3.24			
			10:25	38.10	0.42	3.32			
			10:30	38.08	0.5	3.34	4th well evacuation from 1615 to 1645		
	d	3/28/2014	10:45	38.72	0	2.7	Well evacuation complete		0.9
			10:50	38.63	0.08	2.79			
			10:55	38.48	0.17	2.94			
			11:00	38.67	0.25	2.75			
			11:05	38.57	0.33	2.85			
			11:10	38.46	0.42	2.96			
			11:15	38.43	0.5	2.99	5th well evacuation from 11:15 to 11:30		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
7	e	3/28/2014	11:30	39.05	0	2.37	Well evacuation complete		0.9
			11:35	39.05	0.08	2.37			
			11:40	39.04	0.17	2.38			
			11:45	38.90	0.25	2.52			
			11:50	38.83	0.33	2.59			
			11:55	38.77	0.42	2.65			
			12:00	38.70	0.5	2.72	6th well evacuation from 12:00 to 12:15		
	f	3/28/2014	12:15	38.95	0	2.47	Well evacuation complete		0.4
			12:20	39.12	0.08	2.3			
			12:25	39.00	0.17	2.42			
			12:30	39.00	0.25	2.42			
			12:35	38.73	0.33	2.69			
			12:40	38.71	0.42	2.71			
			12:45	38.70	0.5	2.72	7th well evacuation from 12:45 to 13:00		
	g	3/28/2014	13:00	39.21	0	2.21	Well evacuation complete	382	0.7
			13:05	39.20	0.08	2.22			
			13:10	39.18	0.17	2.24			
			13:15	39.13	0.25	2.29			
			13:20	38.73	0.33	2.69			
			13:25	38.71	0.42	2.71			
			13:30	38.70	0.5	2.72			
8	a	6/6/2014	8:15	36.78	0	4.64	1st well evacuation completed from 8:15 to 8:30		0*
			8:20	36.41	0.08	5.01			
			8:25	35.65	0.17	5.77			
			8:30	35.23	0.25	6.19			
			8:35	34.99	0.33	6.43			
			8:40	34.92	0.42	6.5			
			8:45	35.21	0.5	6.21	2nd well evacuation from 8:45 to 9:00		
	b	6/6/2014	9:00	37.22	0	4.2	Well evacuation complete		3.0
			9:05	37.01	0.08	4.41			
			9:10	36.98	0.17	4.44			
			9:15	36.91	0.25	4.51			
			9:20	36.81	0.33	4.61			
			9:25	36.72	0.42	4.7			
			9:30	36.70	0.5	4.72	3rd well evacuation from 9:30 to 9:45		
	c	6/6/2014	9:45	37.44	0	3.98	Well evacuation complete		1.1
			9:50	37.22	0.08	4.2			
			9:55	37.01	0.17	4.41			
			10:00	37.00	0.25	4.42			
			10:05	36.87	0.33	4.55			
			10:10	36.81	0.42	4.61			
			10:15	36.79	0.5	4.63	4th well evacuation from 10:15 to 10:30		
	d	6/6/2014	10:30	36.90	0	4.52	Well evacuation complete		0.2
			10:35	36.80	0.08	4.62			
			10:40	36.71	0.17	4.71			
			10:45	36.62	0.25	4.8			
			10:50	36.57	0.33	4.85			
			10:55	36.53	0.42	4.89			
			11:00	36.51	0.5	4.91	5th well evacuation from 11:00 to 11:15		
	e	6/6/2014	11:15	36.21	0	5.21	Well evacuation complete		0*
			11:20	36.11	0.08	5.31			
			11:25	36.02	0.17	5.4			
			11:30	35.98	0.25	5.44			
			11:35	35.96	0.33	5.46			
			11:40	35.96	0.42	5.46			
			11:45	35.93	0.5	5.49	6th well evacuation from 11:45 to 12:00		
	f	6/6/2014	12:00	35.93	0	5.49	Well evacuation complete		0.0
			12:05	35.81	0.08	5.61			
			12:10	35.79	0.17	5.63			
			12:15	35.68	0.25	5.74			
			12:20	35.52	0.33	5.9			
			12:25	35.42	0.42	6			
			12:30	35.38	0.5	6.04	7th well evacuation from 12:30 to 12:45		
	g	6/6/2014	12:45	35.74	0	5.68	Well evacuation complete	304	0.5
			12:50	35.65	0.08	5.77			
			12:55	35.89	0.17	5.53			
			13:00	35.81	0.25	5.61			
			13:05	35.78	0.33	5.64			
			13:10	35.63	0.42	5.79			
			13:15	35.53	0.5	5.89			

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
9	a	10/16/2014	8:55	39.70	0	1.72	1st well evacuation completed from 8:40 to 8:55		7.1
			9:00	39.35	0.08	2.07			
			9:05	38.97	0.17	2.45			
			9:10	38.72	0.25	2.7			
			9:15	37.61	0.33	3.81			
			9:20	36.83	0.42	4.59			
			9:25	35.34	0.5	6.08	2nd well evacuation from 9:25 to 9:40		
	b	10/16/2014	9:40	39.86	0	1.56	Well evacuation complete		6.6
			9:45	38.06	0.08	3.36			
			9:50	38.29	0.17	3.13			
			9:55	37.64	0.25	3.78			
			10:00	37.48	0.33	3.94			
			10:05	37.31	0.42	4.11			
			10:10	37.14	0.5	4.28	3rd well evacuation from 10:10 to 10:25		
	c	10/16/2014	10:25	37.79	0	3.63	Well evacuation complete		1.0
			10:30	36.36	0.08	5.06			
			10:35	36.89	0.17	4.53			
			10:40	36.45	0.25	4.97			
			10:45	36.01	0.33	5.41			
			10:50	35.74	0.42	5.68			
			10:55	35.41	0.5	6.01	4th well evacuation from 10:55 to 11:10		
	d	10/16/2014	11:10	39.71	0	1.71	Well evacuation complete		6.3
			11:15	39.62	0.08	1.8			
			11:20	39.41	0.17	2.01			
			11:25	39.41	0.25	2.01			
			11:30	39.27	0.33	2.15			
			11:35	39.24	0.42	2.18			
			11:40	39.24	0.5	2.18	5th well evacuation from 11:40 to 11:55		
	e	10/16/2014	11:55	38.74	0	2.68	Well evacuation complete		0*
			12:00	36.74	0.08	4.68			
			12:05	36.69	0.17	4.73			
			12:10	36.55	0.25	4.87			
			12:15	36.40	0.33	5.02			
			12:20	36.25	0.42	5.17			
			12:25	36.11	0.5	5.31	6th well evacuation from 12:50 to 13:05		
	f	10/16/2014	13:05	41.41	0	0.01	Well evacuation complete	304	7.8
			13:10	41.41	0.08	0.01	Interface probe possibly malfunctioning (NAPL on probe, but probe was not sounding)		
			13:15	41.41	0.17	0.01			
			13:20	41.41	0.25	0.01			
			13:25	41.41	0.33	0.01			
			13:30	41.41	0.42	0.01			
			13:35	41.41	0.5	0.01			
10	a	12/18/2014	9:15	39.95	0	1.47	1st well evacuation completed from 9:00 to 9:15		0.1
			9:20	39.80	0.08	1.62			
			9:25	39.65	0.17	1.77			
			9:30	39.52	0.25	1.9			
			9:35	39.41	0.33	2.01			
			9:40	39.28	0.42	2.14			
			9:45	39.15	0.5	2.27	2nd well evacuation from 9:45 to 10:00		
	b	12/18/2014	10:00	39.64	0	1.78	Well evacuation complete		0.7
			10:05	39.50	0.08	1.92			
			10:10	39.36	0.17	2.06			
			10:15	39.25	0.25	2.17			
			10:20	39.19	0.33	2.23			
			10:25	39.13	0.42	2.29			
			10:30	39.08	0.5	2.34	3rd well evacuation from 10:30 to 10:45		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
10	c	12/18/2014	10:45	39.16	0	2.26	Well evacuation complete		0.1
			10:50	39.00	0.08	2.42			
			10:55	38.94	0.17	2.48			
			11:00	38.85	0.25	2.57			
			11:05	38.79	0.33	2.63			
			11:10	38.71	0.42	2.71			
			11:15	38.63	0.5	2.79	4th well evacuation from 11:15 to 11:30		
	d	12/18/2014	11:30	39.99	0	1.43	Well evacuation complete		2.0
			11:35	39.95	0.08	1.47			
			11:40	39.89	0.17	1.53			
			11:45	39.83	0.25	1.59			
			11:50	39.76	0.33	1.66			
			11:55	39.70	0.42	1.72			
			12:00	39.72	0.5	1.7	5th well evacuation from 12:00 to 12:15		
	e	12/18/2014	12:15	40.20	0	1.22	Well evacuation complete		0.7
			12:20	40.05	0.08	1.37			
			12:25	39.85	0.17	1.57			
			12:30	39.80	0.25	1.62			
			12:35	39.78	0.33	1.64			
			12:40	39.77	0.42	1.65			
			12:45	39.76	0.5	1.66	6th well evacuation from 12:50 to 13:05		
	f	12/18/2014	13:00	40.50	0	0.92	Well evacuation complete	95	1.1
			13:05	40.35	0.08	1.07			
			13:10	40.31	0.17	1.11			
			13:15	40.26	0.25	1.16			
			13:20	40.22	0.33	1.2			
			13:25	40.20	0.42	1.22			
			13:30	40.16	0.5	1.26			
11	a	3/19/2015	10:11	41.21	0	0.31	1st well evacuation completed from 9:56 to 10:11		0.4
			10:16	41.15	0.08	0.37			
			10:21	41.02	0.17	0.5			
			10:26	40.89	0.25	0.63			
			10:31	40.72	0.33	0.8			
			10:36	40.65	0.42	0.87			
			10:41	40.56	0.5	0.96	2nd well evacuation from 10:50 to 11:05		
	b	3/19/2015	11:06	40.20	0	1.32	Well evacuation complete		0*
			11:11	39.89	0.08	1.63			
			11:16	39.89	0.17	1.63			
			11:21	39.82	0.25	1.7			
			11:26	39.75	0.33	1.77			
			11:31	39.60	0.42	1.92			
			11:36	39.54	0.5	1.98	3rd well evacuation from 11:38 to 11:53		
	c	3/19/2015	11:54	40.05	0	1.47	Well evacuation complete		0.7
			11:59	40.05	0.08	1.47			
			12:04	39.98	0.17	1.54			
			12:09	39.87	0.25	1.65			
			12:14	39.75	0.33	1.77			
			12:19	- -	0.42	- -			
			12:24	39.60	0.5	1.92	4th well evacuation from 12:27 to 12:42		
	d	3/19/2015	12:43	40.01	0	1.51	Well evacuation complete		0.6
			12:48	39.93	0.08	1.59			
			12:53	39.82	0.17	1.7			
			12:58	39.66	0.25	1.86			
			13:03	39.75	0.33	1.77			
			13:08	39.60	0.42	1.92			
			13:13	39.81	0.5	1.71	5th well evacuation from 13:15 to 13:35		
	e	3/19/2015	13:36	40.20	0	1.32	Well evacuation complete		0.6
			13:41	- -	0.08	- -			
			13:46	39.90	0.17	1.62			
			13:51	39.90	0.25	1.62			
			13:56	39.98	0.33	1.54			
			14:01	40.03	0.42	1.49			
			14:06	40.05	0.5	1.47	6th well evacuation from 14:10 to 14:25		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
11	f	3/19/2015	14:29	39.40	0	2.12	Well evacuation complete	180	0*
			14:34	39.75	0.08	1.77			
			14:39	40.60	0.17	0.92			
			14:44	39.79	0.25	1.73			
			14:49	40.21	0.33	1.31			
			14:54	40.36	0.42	1.16			
			14:59	40.45	0.5	1.07			
12	a	6/26/2015	8:35	- -	0	- -	1st well evacuation completed from 8:27 to 8:32		3.1
			8:40	40.85	0.08	0.67			
			8:45	40.42	0.17	1.1			
			8:50	40.40	0.25	1.12			
			8:55	40.14	0.33	1.38			
			9:00	39.90	0.42	1.62			
			9:05	39.90	0.5	1.62	2nd well evacuation from 9:10 to 9:15		
	b	6/26/2015	9:20	41.45	0	0.07	Well evacuation complete		2.3
			9:25	41.18	0.08	0.34			
			9:30	41.09	0.17	0.43			
			9:35	40.72	0.25	0.8			
			9:40	40.54	0.33	0.98			
			9:45	40.42	0.42	1.1			
			9:50	40.28	0.5	1.24	3rd well evacuation from 9:55 to 10:00		
	c	6/26/2015	10:05	41.45	0	0.07	Well evacuation complete		1.7
			10:10	41.34	0.08	0.18			
			10:15	41.32	0.17	0.2			
			10:20	41.26	0.25	0.26			
			10:25	41.17	0.33	0.35			
			10:30	41.11	0.42	0.41			
			10:35	41.09	0.5	0.43	4th well evacuation from 10:40 to 10:45		
	d	6/26/2015	10:50	41.50	0	0.02	Well evacuation complete		0.6
			10:55	41.45	0.08	0.07			
			11:00	41.40	0.17	0.12			
			11:05	41.38	0.25	0.14			
			11:10	41.34	0.33	0.18			
			11:15	41.29	0.42	0.23	5th well evacuation from 11:22 to 11:27		
	e	6/26/2015	11:30	41.45	0	0.07	Well evacuation complete		0.2
			11:35	41.45	0.08	0.07			
			11:40	41.44	0.17	0.08			
			11:45	41.44	0.25	0.08			
			11:50	41.44	0.33	0.08			
			11:55	41.40	0.42	0.12	6th well evacuation from 12:00 to 12:05		
	f	6/26/2015	12:10	41.45	0	0.07	Well evacuation complete	140	0.1
			12:15	41.45	0.08	0.07			
			12:20	41.43	0.17	0.09			
			12:25	41.43	0.25	0.09			
			12:30	41.43	0.33	0.09			
			12:35	41.43	0.42	0.09			
13	a	9/24/2015	10:10	40.08	0	1.44	1st well evacuation completed from 9:55 to 10:10		0*
			10:15	40.22	0.08	1.3			
			10:20	40.34	0.17	1.18			
			10:25	40.35	0.25	1.17			
			10:30	40.34	0.33	1.18			
			10:35	40.33	0.42	1.19			
			10:40	40.32	0.5	1.2	2nd well evacuation from 10:45 to 10:55		
	b	9/24/2015	10:55	40.55	0	0.97	Well evacuation complete		0.3
			11:00	40.71	0.08	0.81			
			11:05	41.10	0.17	0.42			
			11:10	41.10	0.25	0.42			
			11:15	41.08	0.33	0.44			
			11:20	41.08	0.42	0.44			
			11:25	41.05	0.5	0.47	3rd well evacuation from 11:40 to 11:50		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
13	c	9/24/2015	11:55	41.30	0	0.22	Well evacuation complete		0.4
			12:00	41.27	0.08	0.25			
			12:05	41.27	0.17	0.25			
			12:10	41.25	0.25	0.27			
			12:15	41.25	0.33	0.27			
			12:20	41.25	0.42	0.27			
			12:25	41.25	0.5	0.27	4th well evacuation from 12:30 to 12:40		
	d	9/24/2015	12:45	41.35	0	0.17	Well evacuation complete		0.1
			12:50	41.25	0.08	0.27			
			12:55	41.25	0.17	0.27			
			13:00	41.25	0.25	0.27			
			13:05	41.25	0.33	0.27			
			13:10	41.24	0.42	0.28			
			13:15	41.24	0.5	0.28	5th well evacuation from 13:20 to 13:30		
	e	9/24/2015	13:35	41.35	0	0.17	Well evacuation complete		0.2
			13:40	41.37	0.08	0.15			
			13:45	41.33	0.17	0.19			
			13:50	41.33	0.25	0.19			
			13:55	41.33	0.33	0.19			
			14:00	41.32	0.42	0.2			
			14:05	41.32	0.5	0.2	6th well evacuation from 14:10 to 14:15		
	f	9/24/2015	14:20	41.35	0	0.17	Well evacuation complete	100	0.0
			14:25	41.35	0.08	0.17			
			14:30	41.33	0.17	0.19			
			14:35	41.32	0.25	0.2			
			14:40	41.32	0.33	0.2			
			14:45	41.32	0.42	0.2			
			14:50	41.32	0.5	0.2			
14	a	12/1/2015	9:00	40.85	0	0.67	1st well evacuation completed from 8:40 to 8:55		0.0
			9:05	40.87	0.08	0.65			
			9:10	40.89	0.17	0.63			
			9:15	40.91	0.25	0.61			
			9:20	40.92	0.33	0.6			
			9:25	40.92	0.42	0.6			
			9:30	40.92	0.5	0.6	2nd well evacuation from 9:35 to 9:50		
	b	12/1/2015	9:55	41.09	0	0.43	Well evacuation complete		0.2
			10:00	41.08	0.08	0.44			
			10:05	41.08	0.17	0.44			
			10:10	41.07	0.25	0.45			
			10:15	41.05	0.33	0.47			
			10:20	41.05	0.42	0.47			
			10:25	41.04	0.5	0.48	3rd well evacuation from 10:30 to 10:45		
	c	12/1/2015	10:50	41.47	0	0.05	Well evacuation complete		0.6
			10:55	41.47	0.08	0.05			
			11:00	41.47	0.17	0.05			
			11:05	41.47	0.25	0.05			
			11:10	41.47	0.33	0.05			
			11:15	41.47	0.42	0.05			
			11:20	41.47	0.5	0.05	4th well evacuation from 11:25 to 11:40		
	d	12/1/2015	11:45	ND	0	0	Well evacuation complete		0.1
			11:50	ND	0.08	0			
			11:55	ND	0.17	0			
			12:00	ND	0.25	0			
			12:05	ND	0.33	0			
			12:10	ND	0.42	0			
			12:15	ND	0.5	0	5th well evacuation from 12:20 to 12:35		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
14	e	12/1/2015	12:35	ND	0	0	Well evacuation complete		0.0
			12:40	ND	0.08	0			
			12:45	ND	0.17	0			
			12:50	41.47	0.25	0.05			
			12:55	41.47	0.33	0.05			
			13:00	41.47	0.42	0.05			
			13:05	41.47	0.5	0.05	6th well evacuation from 13:10 to 13:25		
	f	12/1/2015	13:25	ND	0	0	Well evacuation complete		0.1
			13:30	ND	0.08	0			
			13:35	ND	0.17	0			
			13:40	41.47	0.25	0.05			
			13:45	41.47	0.33	0.05			
			13:50	41.47	0.42	0.05			
			13:55	41.47	0.5	0.05	7th well evacuation from 14:00 to 14:15		
	g	12/1/2015	14:15	ND	0	0	Well evacuation complete	110	0.1
			14:20	ND	0.08	0			
			14:25	ND	0.17	0			
			14:30	ND	0.25	0			
			14:35	ND	0.33	0			
			14:40	41.47	0.42	0.05			
			14:45	41.47	0.5	0.05			
15	a	3/22/2016	10:55	ND	0	0	1st well evacuation completed from 10:40 to 10:55		0.0
			11:00	ND	0.08	0			
			11:05	ND	0.17	0			
			11:10	ND	0.25	0	* IP appeared to not be responding. Well had run dry following the 1st evacuation.		
			11:15	ND	0.33	0			
			11:20	ND	0.42	0			
			11:25	ND	0.5	0	2nd well evacuation from 13:10 until 13:25		
	b	3/22/2016	13:25	ND	0	0	Well evacuation complete	60	0.0
			13:30	ND	0.08	0			
			13:35	ND	0.17	0			
			13:40	ND	0.25	0	* IP appeared to not be responding. Well had run dry following the 1st evacuation.		
			13:45	ND	0.33	0			
			13:50	ND	0.42	0			
			13:55	ND	0.5	0			
16	a	6/30/2016	9:15	41.73**	0	0	1st well evacuation completed from 9:00 to 9:15		0.8
			9:20	ND	0.08	0			
			9:25	ND	0.17	0			
			9:30	ND	0.25	0			
			9:35	ND	0.33	0			
			9:40	ND	0.42	0			
			9:45	ND	0.5	0	2nd well evacuation from 9:45 until 10:00		
	b	6/30/2016	10:00	ND	0	0	Well evacuation complete	45	0.0
			10:05	ND	0.08	0			
			10:10	ND	0.17	0			
			10:15	ND	0.25	0			
			10:20	ND	0.33	0			
			10:25	ND	0.42	0			
			10:30	ND	0.5	0	minute gauging.		
	a	9/29/2016	9:45	41.25	0	0.22	1st well evacuation completed from 9:30 to 9:45		0.1
			9:50	41.25	0.08	0.22			
			9:55	41.20	0.17	0.27			
			10:00	41.20	0.25	0.27			
			10:05	41.20	0.33	0.27			
			10:10	41.20	0.42	0.27	2nd well evacuation from 10:20 until 10:35		
	b	9/29/2016	10:35	41.20	0	0.27	Well evacuation complete		0.0
			10:40	41.20	0.08	0.27			
			10:45	41.20	0.17	0.27			
			10:50	41.20	0.25	0.27			
			10:55	41.20	0.33	0.27			
			11:00	41.20	0.42	0.27			
			11:05	41.20	0.5	0.27	3rd well evacuation from 11:10 until 11:25		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
17	c	9/29/2016	11:25	41.23	0	0.24	Well evacuation complete		0.04
			11:30	41.23	0.08	0.24			
			11:35	41.23	0.17	0.24			
			11:40	41.23	0.25	0.24			
			11:50	41.23	0.42	0.24			
			11:55	41.23	0.5	0.24	4th well evacuation from 12:10 until 12:25		
	d	9/29/2016	12:25	41.23	0	0.24	Well evacuation complete		0.0
			12:30	41.23	0.08	0.24			
			12:35	41.23	0.17	0.24			
			12:40	41.23	0.25	0.24			
			12:45	41.23	0.33	0.24			
			12:50	41.23	0.42	0.24			
			12:55	41.23	0.5	0.24	4th well evacuation from 13:15 until 13:30		
	e	9/29/2016	13:30	41.23	0	0.24	Well evacuation complete	45	0.0
			13:35	41.23	0.08	0.24			
			13:40	41.23	0.17	0.24			
			13:45	41.23	0.25	0.24			
			13:50	41.23	0.33	0.24			
			13:55	41.23	0.42	0.24			
			14:00	41.23	0.5	0.24			
18	a	3/29/2017	9:30	ND	0	0.58	1st well evacuation completed from 9:20 to 9:30		0.9
			9:35	ND	0.08	0			
			9:40	ND	0.17	0			
			9:45	ND	0.25	0			
			9:50	41.51*	0.33	0			
			9:55	ND	0.42	0			
			10:00	ND	0.5	0	2nd well evacuation from 10:00 until 10:10		
	b	3/29/2017	10:10	ND	0	0	Well evacuation complete		0.0
			10:15	ND	0.08	0			
			10:20	ND	0.17	0			
			10:25	ND	0.25	0			
			10:30	ND	0.33	0			
			10:35	ND	0.42	0			
			10:40	ND	0.5	0	3rd well evacuation from 10:40 until 10:50		
	c	3/29/2017	10:50	ND	0	0	Well evacuation complete	84	0.00
			10:55	ND	0.08	0			
			11:00	ND	0.17	0			
			11:05	ND	0.25	0			
			11:10	ND	0.33	0			
			11:15	ND	0.42	0			
			11:20	ND	0.5	0			
			11:30	ND	0.67	0			
			11:40	ND	0.83	0			
			11:50	ND	1	0			
			12:00	ND	1.17	0			
	a	6/22/2017	10:25	41.40	0	0	1st well evacuation completed from 10:10 to 10:25		0.0
			10:30	41.40	0.08	0			
			10:35	41.40	0.17	0			
			10:40	41.40	0.25	0			
			10:45	41.40	0.33	0			
			10:50	41.40	0.42	0			
			10:55	41.40	0.5	0	2nd well evacuation from 11:00 until 11:15		

Recovery								Volume Removed (gals)	
Event	Cycle	Date	Time	Depth to DNAPL (feet)	Elapsed Time (hours)	DNAPL Thickness (feet)	Comments	Total Liquid	Measured DNAPL
19	b	6/22/2017	11:15	41.40	0	0	Well evacuation complete		0.0
			11:20	41.40	0.08	0			
			11:25	41.40	0.17	0			
			11:30	41.40	0.25	0			
			11:35	41.40	0.33	0			
			11:40	41.40	0.42	0			
			11:45	41.40	0.5	0	3rd well evacuation from 11:50 until 12:05		
	c	6/22/2017	12:05	41.40	0	0	Well evacuation complete		0.00
			12:10	41.40	0.08	0			
			12:15	41.40	0.17	0			
			12:20	41.40	0.25	0			
			12:25	41.40	0.33	0			
			12:30	41.40	0.42	0			
			12:35	41.40	0.5	0	4th well evacuation from 12:40 until 12:55		
	d	6/22/2017	12:55	41.40	0	0	Well evacuation complete	50	0.0
			13:00	41.40	0.08	0			
			13:05	41.40	0.17	0			
			13:10	41.40	0.25	0			
			13:15	41.40	0.33	0			
			13:20	41.40	0.42	0			
			13:25	41.40	0.5	0			
20	a	10/5/2017	9:45	ND	0	0	1st well evacuation completed from 9:30 to 9:45		0.0
			9:50	ND	0.08	0			
			9:55	ND	0.17	0			
			10:00	ND	0.25	0			
			10:05	ND	0.33	0			
			10:10	ND	0.42	0			
			10:15	ND	0.5	0	2nd well evacuation from 10:15 until 10:30		
	b	10/5/2017	10:30	41.40	0	0	Well evacuation complete		0.0
			10:35	41.40	0.08	0			
			10:40	41.40	0.17	0			
			10:45	41.40	0.25	0			
			10:50	41.40	0.33	0			
			10:55	41.40	0.42	0			
			11:00	41.40	0.5	0	3rd well evacuation from 11:00 until 11:15		
	c	10/5/2017	11:15	41.40	0	0	Well evacuation complete	202	0.00
			11:20	41.40	0.08	0			
			11:25	41.40	0.17	0			
			11:30	41.40	0.25	0			
			11:35	41.40	0.33	0			
			11:40	41.40	0.42	0			
			11:45	41.40	0.5	0			
			11:55	41.40	0.67	0			
			12:05	41.40	0.83	0			
			12:15	41.40	1	0			
							Total Recovery to Date:	**3,799**	**123.0**

Notes:
1. DNAPL = dense non-aqueous phase liquid.
2. gals = gallons.
3. * = indicates volume of DNAPL removed could not be calculated for the time interval based on field measurements.
4. ** = anomalous interface probe reading. The reading was assumed to be a from DNAPL adhered to the sidewall.

TABLE 5
RW-D DNAPL RECOVERY DATA

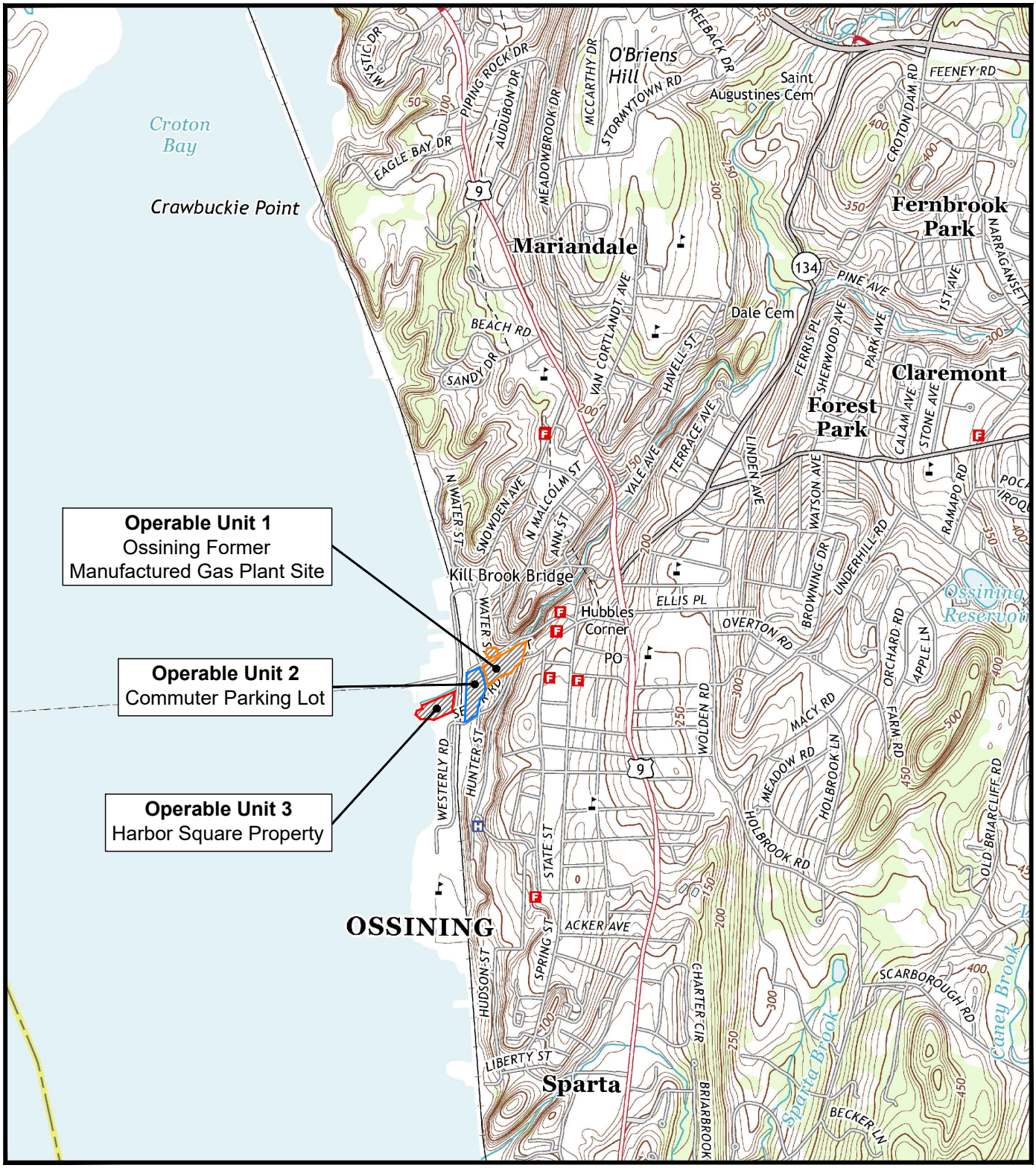
DRAFT

OPERABLE UNIT 3 DNAPL CCR
FORMER OSSINING WORKS MANUFACTURED GAS PLANT
OSSINING, NEW YORK

Date	Total Fluid Recovery (gal)	Measured DNAPL Recovered (gal)	Time Since Last Event (days)	Average Daily Recovery (gal per day)	DNAPL Percentage of Total Fluid Recovered
7/25/2012	216	9.2	- -	- -	4.259%
11/15/2012	232	12.3	113	0.109	5.302%
2/28/2013	508	14.8	105	0.141	2.913%
5/31/2013	382	9.7	92	0.105	2.539%
8/30/2013	170	8.3	91	0.091	4.882%
11/26/2013	190	9.9	88	0.113	5.211%
3/28/2014	382	6.3	122	0.052	1.649%
6/6/2014	304	4.8	70	0.069	1.579%
10/16/2014	304	28.8	132	0.218	9.474%
12/18/2014	95	4.7	63	0.075	4.947%
3/19/2015	180	2.3	91	0.025	1.278%
6/26/2015	140	8	99	0.081	5.714%
9/24/2015	309	1	90	0.011	0.324%
12/1/2015	110	1.1	68	0.016	1.000%
3/22/2016	60	0*	112	0*	0%*
6/30/2016	45	0.8	100	0.008	1.778%
9/29/2016	45	0.1	91	0.000	0.089%
3/29/2017	84	0.9	181	0.005	1.071%
6/22/2017	50	0	85	0	0%
10/5/2017	202	0	105	0	0%
4/12/2018	0	0	189	0	0%
7/6/2018	0	0	85	0	0%
10/5/2018	0	0	91	0	0%
11/28/2018	0	0	54	0	0%
3/21/2019	0	0	113	0	0%
Total	**4,008**	**123.04**	**- -**	**- -**	**3.070%**

Notes:
1. DNAPL = dense non-aqueous phase liquid.
2. gal = gallons.
3. * = indicates volume of DNAPL removed could not be calculated for the time interval based on field measurements.

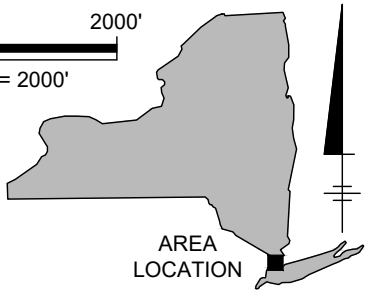
FIGURES



REFERENCE: BASE MAP USGS 7.5 MIN. QUAD., OSSINING, NY & HAVERSTRAW, NY, 2013.

2000' 0 2000'

Approximate Scale: 1" = 2000'



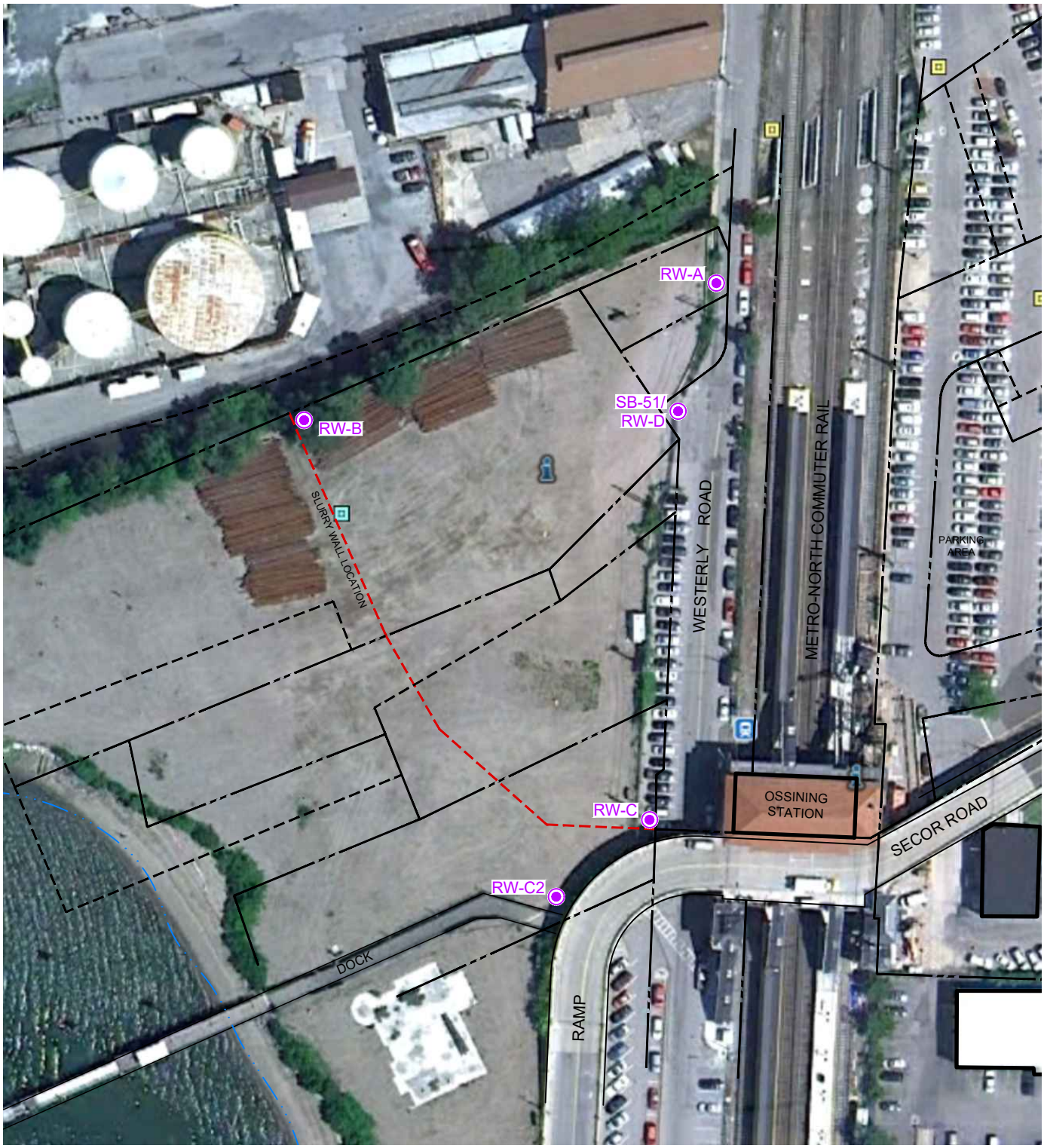
CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER OSSINING WORKS MANUFACTURED GAS PLANT SITE
OSSINING, NEW YORK
HARBOR SQUARE DNAPL RECOVERY
OU3 DNAPL CCR

SITE LOCATION MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
1

CITY: SYRACUSE, NY DIV/GROUP: EBC-IM/DV DB: L.POSENAUER LYR:(Opt)ON=*;OFF=*REF*
C:\BIM\OneDrive - ARCADIS\BIM 360 Docs\ANA - CON EDISON\OSSINING DNAPL RECOVERY\2019\B0043024.0060.00020\01-DWG\OU3-DNAPL-CCR_FIG01-SITE LOC MAP.dwg LAYOUT: 1 SAVED: 4/17/2019 9:22 PM ACADVER: 23.0S (LMS TECH) PAGESETUP: C-PA-PDF PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/17/2019 9:23 PM BY: POSENAUER, LISA
IMAGES:
NY_Haverstraw_20130315_TM_geo.tiff
NY_Ossining_20130319_TM_geo.tiff



0 100' 200'

GRAPHIC SCALE

LEGEND:

RW-C2 ◉ RECOVERY WELL

NOTE:

IMAGE FROM GOOGLE EARTH.

CONSOLIDATED EDISON COMPANY OF NEW YORK, INC.
FORMER OSSINING WORKS MANUFACTURED GAS PLANT SITE
OSSINING, NEW YORK
HARBOR SQUARE DNAPL RECOVERY
OU3 DNAPL CCR

EXISTING RECOVERY WELL MAP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
2

CITY: SYRACUSE, NY DIV/GROUP: EBC-IM/DV DB: L.POSENAUER LYR:(Opt)ON=*;OFF=*REF*
C:\BIM\OneDrive - ARCADIS\BIM 360 Docs\ANA - CON EDISON\OSSINING DNAPL RECOVERY\2019\B0043024.0060.0002\001-DWG\OU3-DNAPL-CCR_FIG02-EXIST RECOVERY WELL.dwg LAYOUT: 2 SAVED: 4/17/2019 8:58 PM ACADVER: 23.0S (LMS TECH) PAGESETUP: C-PA-PDF
PLOTSTYLETABLE: PLTFULL.CTB PLOTTED: 4/17/2019 9:21 PM BY: POSENAUER, LISA
IMAGES:
aerial.bmp
Fig 2 Well Location Map Reverse.tif
Ossining Block 4 to 8 and RR.TIF

Figure 3
Measured DNAPL Recovery by Date for RW-A

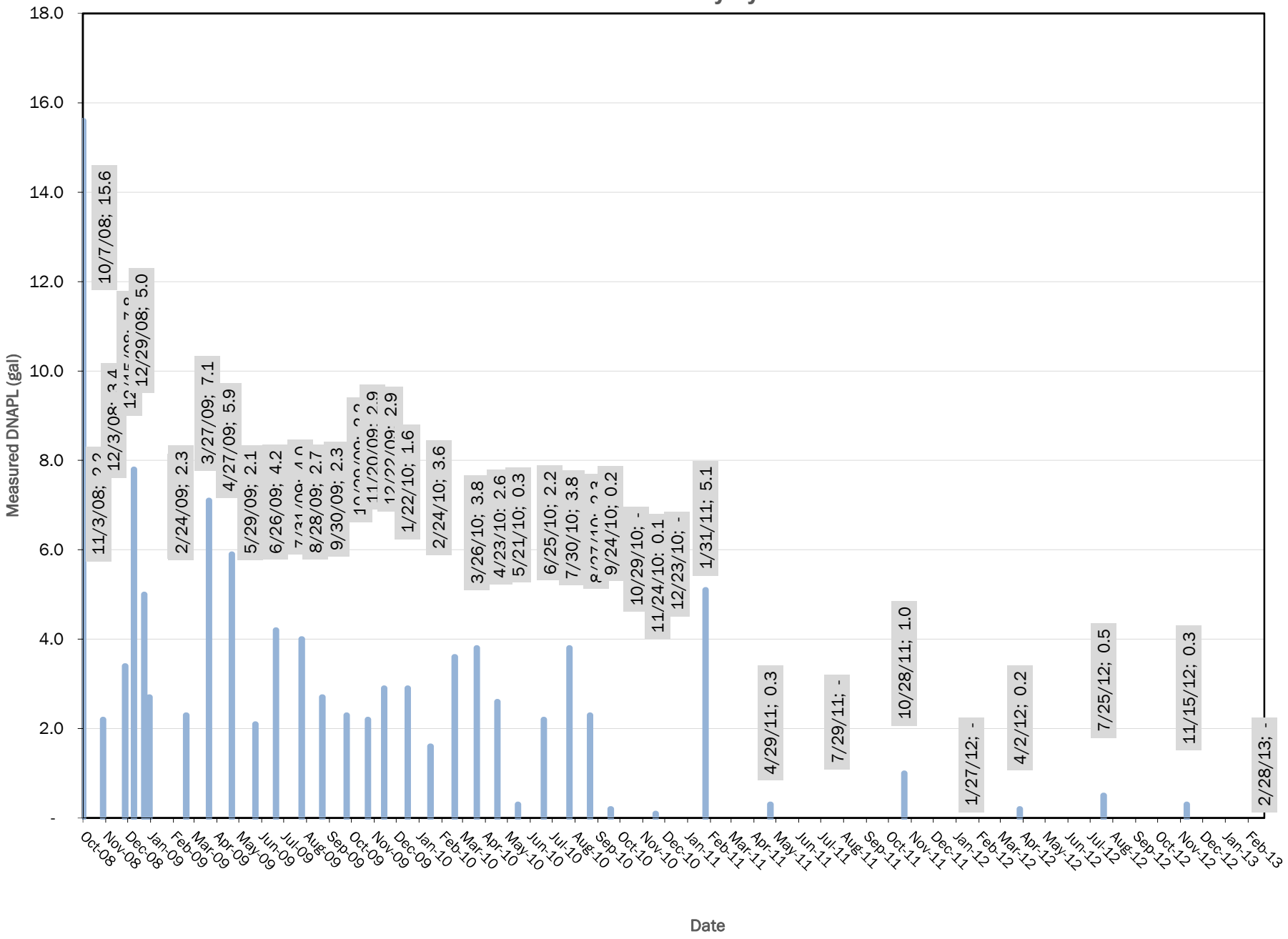


Figure 4
Average Daily Recovery (gal per day) for RW-A

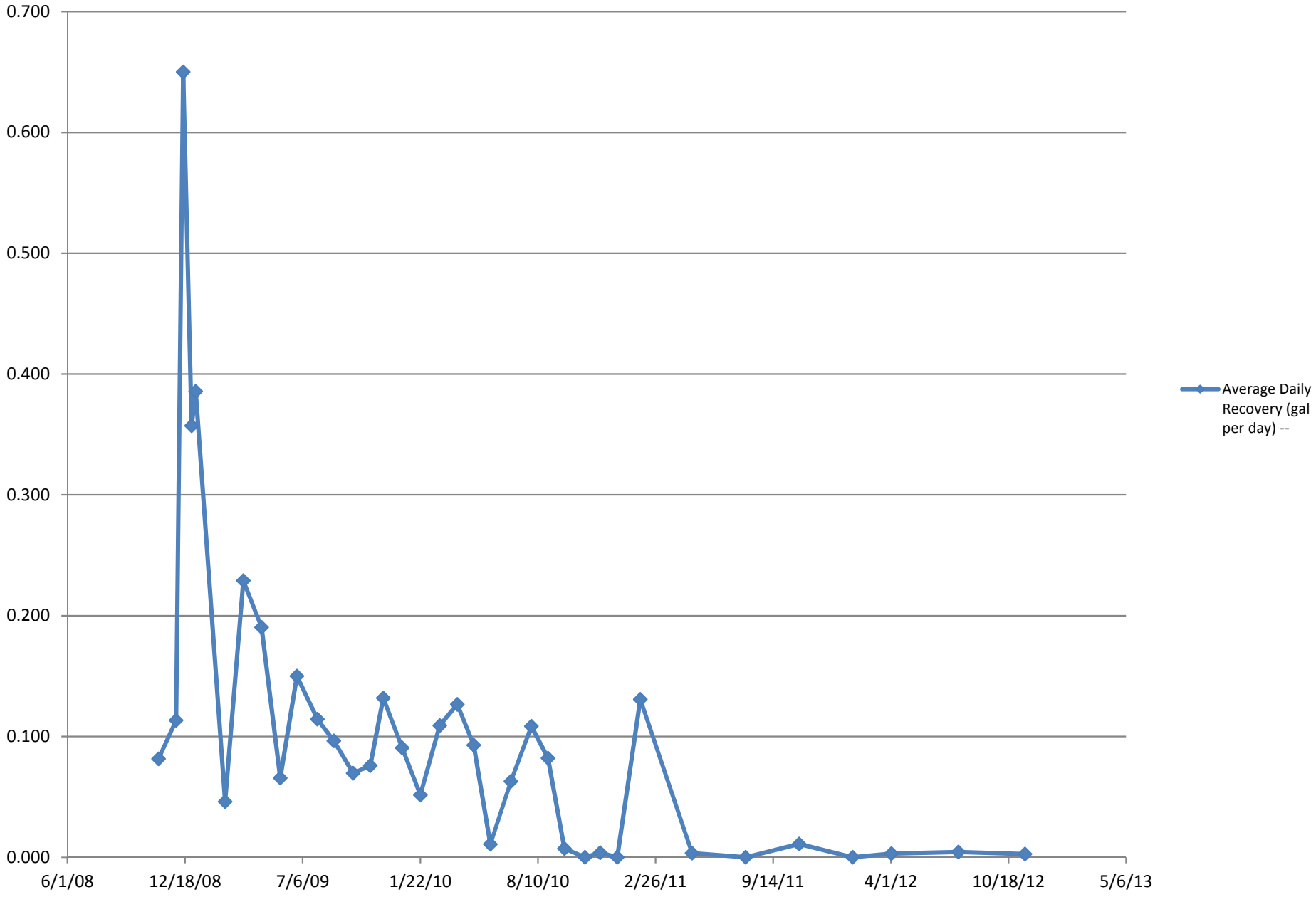
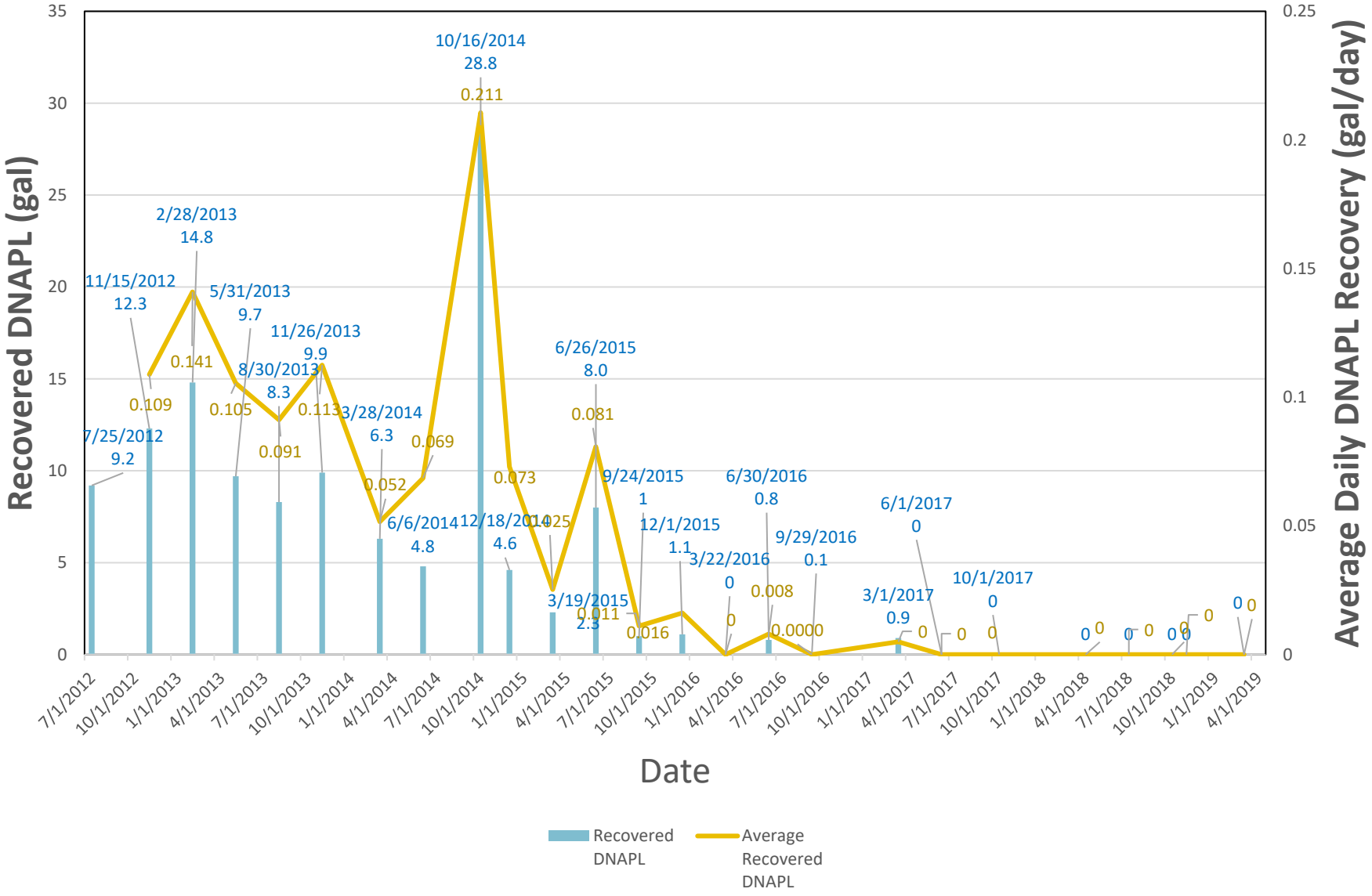


Figure 5
Measured DNAPL Recovery by Date for RW-D



APPENDIX A

Well Logs

SESI CONSULTING ENGINEERS

RW-A Well Log

PROJECT NAME: Arbor Square		MONITORING WELL NO.	MW-#
PROJECT LOCATION: Ossining NY		JOB NO.	
		GROUND ELEVATION:	
BORING BY:	DATE STARTED 11/14/07	DEVELOPMENT PERIOD	INSIDE CASING DIAMETER (in)
INSPECTOR: Charley Paternostro	DATE COMPLETED 11/20/07	DEVELOPMENT METHOD	BOREHOLE DIAMETER (in)
NJ DEP PERMIT NO.:	DATE DEVELOPED	DEVELOPMENT RATE # gpm	INITIAL WATER LEVEL (ft)

WELL CONSTRUCTION

Depth (feet below grade)
Top of Casing #
Ground Surface 0
Top of Riser #
3 inch above ground level
Top of Seal: 14 1/2 ft #
2ft Bentonite Seal
Top of Sand Pack: 16 1/2 ft #
Top of Screen 18 1/2 ft #
Bottom of Screen 28 1/2 ft #
Bottom of Boring 32ft #
Remarks

Casing Type:
Well Cap:
Well Key:
Riser Pipe: 6 inch PVC
Grout Type: Bentonite
Sand/Gravel Pack Size: #2
Screen Size: .20
Sump at bottom

DEPTH (ft)	Sample	Blows on Spoon 0/6	6/12	12/18	18/24	REC (in)	SOIL DESCRIPTION AND STRATIFICATION	P.I.D.
0	1							
5								
10								
							Started sampling @ 15ft depth	
15								0 ppm Top
	S-1	15	11	6	5	8 in	Brown to gray	1.8 ppm Mid
17							Brick, Wood, Coarse to Med Sand	1.1 ppm Bottom
	S-2	2	3	5	8	10 in	Dark Brown to Gray	T-1.4 ppm
19							Brick, Shells, Glass Coarse sand, med to fine sand	M-2.1 B-1.9
20	S-3	7	6	7	11	11 in	Brown to Dark Gray - Coarse Gravel	T-3.7 ppm
21							DNAPL, Med to fine sand, trace silt	M-22.9 B-13.5
	S-4	15	10	10	10	7 in	Brown to Dark Brown to Greenish Gray	T-.8 ppm
23							DNAPL, Med to Fine Sand, Trace [redacted] silt	M-1.9 B-2.1
	S-5	9	6	4	4	12 in	Gray/sh Brown to Dark Gray, DNAPL	T-.9 ppm
25							Med to fine Sand, Trace silt	M-1.4 B-.7
	S-6	22	15	17	21	12 in	Olive Gray to Gray, DNAPL	T-28 ppm
27							Trace gravel, Fine Sand, Trace silt	M-150 B-12
	S-7	17	12	7	7	18 in	Green Gray, DNAPL	T-11 ppm
29							Fine Sand to Very fine Sandy Clay	M-21 B-16
30							- Hit Clay @ 29ft	
							- Sump was pushed 3ft into clay	
35							- 6 inch of screen also pushed into clay	
40								

Approximate Change in Strata: _____ Inferred Change in Strata: _____

T-Top
M-Middle
B-Bottom

The subsurface information shown hereon was obtained for the design and estimating purposes for our client. It is made available to authorized users only that they may have access to the same information available to our client. It is presented in good faith, but it is not intended as a substitute for investigations, interpretations or judgment of such authorized users. Information on the logs should not be relied upon without the geotechnical engineers recommendations contained in the report from which these logs were extracted. Soil descriptions represent a field identification after D. M. Burmister unless otherwise noted.

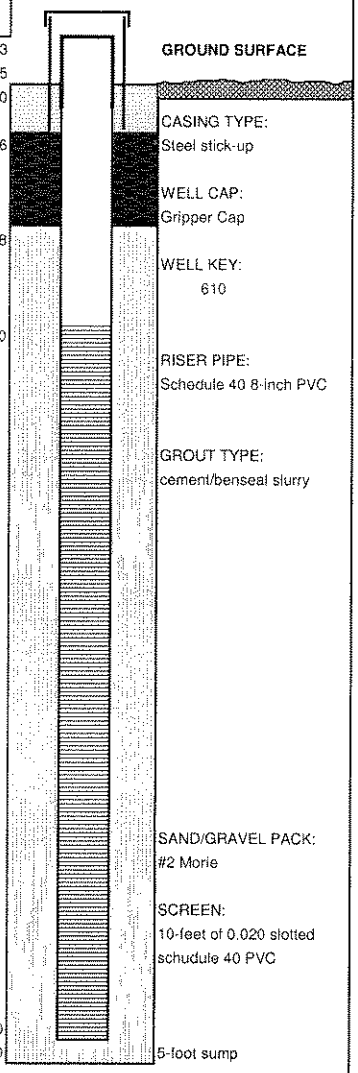
RECOVERY WELL RW-B

PROJECT NAME: Con-Edison Ossining Former Gas Works			PROJECT NUMBER: 060341901		
PROJECT LOCATION: Ossining, New York			SURVEYOR: not surveyed	Elevation Datum: not surveyed	
DRILLING CONTRACTOR: Aquifer Drilling & Testing	Driller: S. Miller	Inspector: Steve Maravellias	Surveyed Location: LATITUDE / LONGITUDE: not surveyed	Surveyed Elevations: GROUND / OUTSIDE CASING / INSIDE CASING: not surveyed	
DRILLING EQUIPMENT: B51 Truck-mounted drill rig			WELL LOCATION: Northern end of slurry wall, near Kill Brook on Harbor Square property		
DATE STARTED: 10/01/08	DEVELOPMENT PERIOD: 10 minutes		Inside Casing Diameter (in): 8	Initial Depth (ft): 5.2	Date/Time: 10/01/2008 10:30
DATE COMPLETED: 10/02/08	DEVELOPMENT METHOD: Vacuum tanker		Borehole Diameter (in): 12	Static Depth (ft): 7.68	Date/Time: 10/07/2008 10:45
DATE DEVELOPED: 10/07/08	DEVELOPMENT RATE (gpm): 17		Initial Water Level (ft): 5.2	Depth (ft):	Date/Time:

LITHOLOGIC DESCRIPTION	Sample Interval	Depth (ft bgs)	Groundwater	Graphic Log	Samples: Recov. (ft)	Blows (6 in)	PID Reading
0.0-17.0 FILL: Gray to black fine to medium SAND (SP), some (20%) fine to medium gravel, little (10%) brick and concrete fragments.		- 0 -					0.0
							0.0
							0.0
							0.0
							0.0
		- 5 -			2.0	2,2,	0.0
						1,2	0.0
							0.0
							0.0
							0.0
		- 10 -			2.0	5,6,	0.0
						7,6	0.0
							0.0
							0.0
							0.0
		- 15 -			2.0	7,1,	0.0
						3,5	0.0
17.0-20.0 Black and dark greenish gray fine to medium SAND (SP).					2.0	2,1,	0.5
						2,1	28.1
					2.0	3,0,	79.0
20.0-30.0 Alternating layers of black and dark greenish gray fine to medium SAND (SP) and CLAYEY SILT (MH).		- 20 -				1,0	80.1
					2.0	WOH	81.2
							80.1
					2.0	3,0,	33.1
						1,0	34.1
		- 25 -			2.0	WOH	20.1
							32.1
					2.0	WOH	19.1
							36.1
					2.0	3,1,	6.1
30.0-35.0 Dark greenish gray CLAYEY SILT (MH).		- 30 -				WOH	3.2
					2.0	WOH,	10.1
						2,1	6.2
					2.0	2,1,	5.1
						1,0	1.1
end of boring @ 35ft		- 35 -					1.1
		- 40 -					

Well Construction

Depth (feet below grade)	
Top of casing	+3
Top of riser	+2.5
Ground Surface	0
Top of Seal	16
Top of Sand Pack	18
Top of screen	20
Bottom of screen	30.00
Bottom of boring	35.00



Remarks

Well developed by removing standing water using a vacuum tanker. Well was not surged to avoid possible mobilization of DNAPL, if present, beyond the slurry wall. Groundwater recovery was minimal.

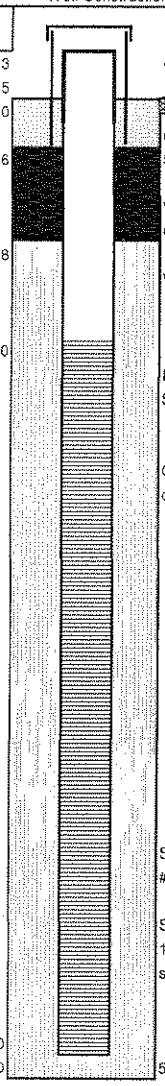
RECOVERY WELL RW-C-2

PROJECT NAME: Con-Edison Ossining Former Gas Works			PROJECT NUMBER: 060341901		
PROJECT LOCATION: Ossining, New York			SURVEYOR: not surveyed	Elevation Datum: not surveyed	
DRILLING CONTRACTOR: Aquifer Drilling & Testing	Driller: S. Miller	Inspector: Steve Maravellias	Surveyed Location: LATITUDE / LONGITUDE: not surveyed	Surveyed Elevations: GROUND / OUTSIDE CASING / INSIDE CASING: not surveyed	
DRILLING EQUIPMENT: B51 Truck-mounted drill rig			WELL LOCATION: Southern end of slurry wall, near Westerly Road on Harbor Square property		
DATE STARTED: 10/02/08	DEVELOPMENT PERIOD: 10 minutes		Inside Casing Diameter (in): 8	Initial Depth (ft): 6.5	Date/Time: 10/03/2008 13:15
DATE COMPLETED: 10/03/08	DEVELOPMENT METHOD: Vacuum tanker		Borehole Diameter (in): 12	Static Depth (ft): 9.5	Date/Time: 10/07/2008 11:00
DATE DEVELOPED: 10/07/08	DEVELOPMENT RATE (gpm): 17		Initial Water Level (ft): 6.5	Depth (ft):	Date/Time:

LITHOLOGIC DESCRIPTION	Sample Interval	Depth (ft bgs)	Groundwater	Graphic Log	Samples: Recov. (ft)	Blows (6 in)	PID Reading
0.0-17.0 FILL: Gray to black fine to medium SAND (SP), some (20%) fine to medium gravel, little (10%) brick and concrete fragments.		- 0 -					0.0
							0.0
							0.0
							0.0
							0.0
		- 5 -			0.5	1,1,	0.0
						1,1	0.0
							150.0
							0.0
							0.0
		- 10 -			1.0	2,2,	0.0
						1,1	0.0
							0.0
							0.0
							0.0
		- 15 -			1.0	5,5,	6.1
						4,2	7.2
17.0-22.0 Black fine to medium SAND (SP).					0.6	3,2,	66.1
						1,1	111.0
					0.6	4,2,	13.1
		- 20 -				3,2	12.2
					2.0	5,4,	22.1
22.0-28.0 Alternating layers of black and dark greenish SAND (SP) and CLAYEY SILT (MH).						3,3	3.2
					2.0	1,1,	6.2
						WOH	3.2
		- 25 -			1.6	1,0,	0.0
						WOH	3.1
					2.0	2,1	3.1
28.0-35.0 Dark greenish gray CLAYEY SILT (MH).						WOH	3.2
					2.0	WOH	3.7
		- 30 -					5.1
					2.0	WOH	3.1
							3.5
					2.0	WOH	0.0
							0.0
end of boring @ 35ft		- 35 -					
		- 40 -					
N:\project\2006\0603419\01\5-Reports\2008-11 DNAPL Rec\DNAPL Appendices\[M		- ___ -					

Well Construction

Depth (feet below grade)	
Top of casing	+3
Top of riser	+2.5
Ground Surface	0
Top of Seal	16
Top of Sand Pack	18
Top of screen	20
Bottom of screen	30.00
Bottom of boring	35.00



GROUND SURFACE

CASING TYPE: Steel stick-up

WELL CAP: Gripper Cap

WELL KEY: 610

RISER PIPE: Schedule 40 8-inch PVC

GROUT TYPE: cement/benseal slurry

SAND/GRAVEL PACK: #2 Morie

SCREEN: 10-feet of 0.020 slotted schudule 40 PVC

5-foot sump

Remarks

Well developed by removing standing water using a vacuum tanker. Well was not surged to avoid possible mobilization of DNAPL, if present, beyond the slurry wall. Groundwater recovery was minimal.

INTER OFFICE MEMO

TO: Jason Schindler

FROM: Katrina VanDeusen

DATE: January 2, 2008

RE: Con Ed DNAPL Recovery Well Installation

PROJECT NUMBER: 060341901

RW-C Recovery Well Installation

A second mobilization was required to replace recovery well RW-C2 because the original location was identified as being outside the slurry wall after survey. The Harbor Square environmental consultants, SESI engineering from Parsippany, New Jersey coordinated the event with Talon Drilling of Trenton, New Jersey. CMX provided oversight as Con-Edison's representative consultant. The mobilization date for the first attempt to install this recovery well was December 10, 2008. The replacement well RW-C was located based on the survey information regarding the location of the slurry wall by SESI. Initially, SESI proposed to use hollow stem augers to install RW-C. SESI set up a perimeter air monitoring zone around the drilling effort consisting of two photo-ionization detectors (PIDs) set up and down wind for all intrusive activities. The hollow stem auger drilling commenced but a concrete impedence that was intercepted at approximately 7.5 feet below ground surface (bgs) which prevented further advance. The location of the well was then offset but the concrete impedence was intercepted at approximately the same depth on the second attempt. A total of five attempts were made on December 11th none were successful at advancing past the concrete impedence. On December 11th SESI remobilized and outfitted the drill rig with mud rotary. Another four attempts were made using mud rotary and a tri-cone roller bit to try and advance through the concrete impedence. None of these attempts were successful and drilling ceased on December 11th in order to reconvene and determine the best strategy to advance through the impedence.

On December 29th, 2008 SESI and Talon returned to the Harbor Square site with an air hammer drill rig with a 16-inch rotary bit. SESI advance through the impedence with the air hammer to 18 feet bgs. Split spoons were not collected in the upper 18 feet with the air hammer. A 12-inch steel casing was then driven to

☐ REPLY ☐ INITIAL/RETURN ☐ SEE ME ☐_____

15 feet and split spoon sampling was begun in conjunction with mud rotary. Environmental split spoons were collected from 15 to 30 feet bgs. Soils in the overburden had a strong fuel oil odor until the upper clay layer was intercepted. There was no visual or olfactory evidence of MGP residuals throughout the boring. No environmental samples were collected for laboratory analysis. The PID did not record any elevated readings on split spoons. The clay confining layer was intercepted at 26 feet. The bore hole was then reamed out to install the well.

On December 30th 2008 the casing was removed and an 8-inch pvc well was installed. The bottom of the sump was installed from 26 to 31 feet bgs. Number 2 slotted PVC screen was installed from 16 to 26 feet bgs. Number 2 sand pack was completed to a depth of 13.5 feet bgs. A bentonite seal was installed from 13.5 to 8.5 feet bgs and completed by grouting with Portland cement to grade. The replacement well was then capped with a steel stick-up.

After the well was installed it was developed for approximately 35 minutes for a total of 75 gallons using a submersible pump. The well went dry. During the January 5th DNAPL recovery event RW-C was gauged and then evacuated for a second development to complete the set up of the surrounding formation. A total of approximately 175 gallons was removed with a vacuum tanker truck. During the January 5th DNAPL recovery event RW-C did not record any NAPL readings.

KVD:jms
N:\project\2006\0603419\01\5-Reports\2008-11 DNAPL Rec\Working Files\memo DNAPL well install RW-C.doc

Date Start/Finish: 3/23/12
Drilling Company: Boart Longyear
Driller's Name: Kevin Regan
Drilling Method: Rotary Sonic
Sampling Method: 8"x5' override casing, 4"x5' core barrel
Rig Type: Track Mounted Mini SONIC

Northing: 847457.72
Easting: 665753.19
Casing Elevation: NA
Borehole Depth: 90' bgs
Surface Elevation: 7.04' amsl
Descriptions By: L.Terrell & M. Skowronek

Well/Boring ID: **SB-51/RW-D**
Client: Consolidated Edison Company of New York.
Location: 20 Water Street, Ossining, NY.

DRAFT

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
10								
0							ASPHALT, little red Brick and Subbase..	Steel Flushmount over; Locking J-Plug; Concrete Pad (0-1' bgs); Steel Flushmount Cover
							Dark brown fine to medium SAND, little sub-angular to sub-rounded Gravel, trace Silt, Cobbles, Brick, moist.	Sand Drain (0.5-1' bgs)
5	1	0-5	5.0	0.0			Grayish brown fine to medium SAND, trace Silt, coarse Sand and sub-angular to sub-rounded Gravel, wet.	
					X		Brown fine to medium SAND, little fine to coarse sub-rounded Gravel, trace Silt, moist.	
0	2	5-10	5.0	0.0			Gray/brown medium SAND, little fine Sand, trace coarse Sand and fine to coarse sub-rounded to sub-angular Gravel and Mica, wet.	Grout (1-22' bgs)
10							Gray/brown fine to medium SAND, trace fine to coarse sub-rounded to sub-angular Gravel and Mica, wet.	
							Dark gray-black coarse SAND, some fine sub-angular Gravel, trace medium to coarse sub-rounded Gravel, fine Sand and Mica, wet.	
-5	3	10-15	5.0	0.0			Gray/brown fine to medium SAND, little-trace coarse Sand, trace fine to coarse sub-rounded to sub-angular Gravel and Mica, wet.	6" Sch 40 PVC Riser (0.5-27' bgs)
							Dark gray coarse SAND, some fine sub-rounded to sub-angular Gravel, little fine to medium Sand, trace medium to coarse sub-rounded Gravel and Mica, wet.	
15	4	15-20	5.0	0.0			Dark gray medium SAND, little fine to coarse Sand, trace fine to coarse sub-rounded to sub-angular multi-colored Gravel, Mica and Shells, wet.	

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Remarks: bgs = below ground surface; NA = Not Applicable/Available; AMSL = Above Mean Sea Level.

Analytical sample collected from 5-6'bgs, 29-30' bgs, 32-33' bgs, 59-60' bgs and 83-84' bgs for VOCs, SVOCs, TAL Metals and Cyanide. A blank duplicate BD032812 was also collected on 03/28/12.

Client: Consolidated Edison Company of New York.

Well/Boring ID: SB-51/RW-D

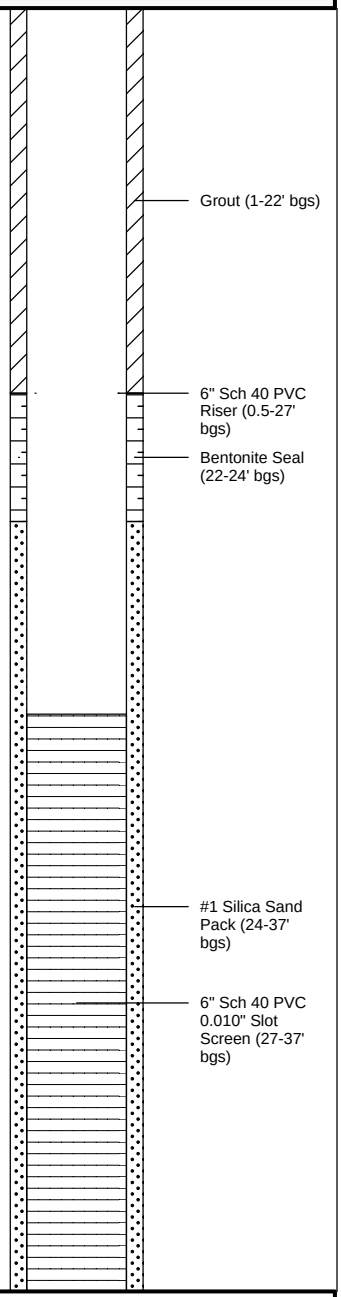
Borehole Depth: 90' bgs

Site Location:
20 Water Street, Ossining, NY.

DRAFT

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description
-10	4	15-20	5.0	0.0			Dark gray medium SAND, little fine to coarse Sand, trace fine to coarse sub-rounded to sub-angular multi-colored Gravel, Mica and Shells, wet.
20				1.3			Gray SILT, trace Clay, fine Sand, Mica, fine to coarse Sand, Wood and Shells, chemical like odor at 24-25' bgs, wet.
-15	5	20-25	5.0	3.4 8.6 40 2.1			
25				49.4			Gray medium SAND, some coarse Sand, trace fine Sand, Mica and Shells, coal tar-like odor, wet.
-20	6	25-30	4.5	145 127 523 1491	X		Gray SILT, trace fine to coarse Sand, fine to coarse sub-rounded Gravel, Shells and Mica.
30				365			Gray fine SAND, trace fine to coarse sub-rounded to rounded Gravel and Cobbles, saturated with oil-like material, strong coal tar-like odor, wet.
-25	7	30-35	4.5	1367 1125 164 1019	X		Gray SILT and CLAY, trace Shells, soft, some plasticity, wet. Gray fine to medium SAND, trace Shells, fine to coarse Gravel, Mica and Silt, saturated with brown oil-like material, wet.
35	8	35-40	5.0	114			Gray clayey SILT, trace Shells, Wood and Sand, trace brown oil-like material, sheen, coal tar-like odor, wet.

Well/Boring Construction



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Analytical sample collected from 5-6'bgs, 29-30' bgs, 32-33' bgs, 59-60' bgs and 83-84' bgs for VOCs, SVOCs, TAL Metals and Cyanide. A blank duplicate BD032812 was also collected on 03/28/12.

Client: Consolidated Edison Company of New York.

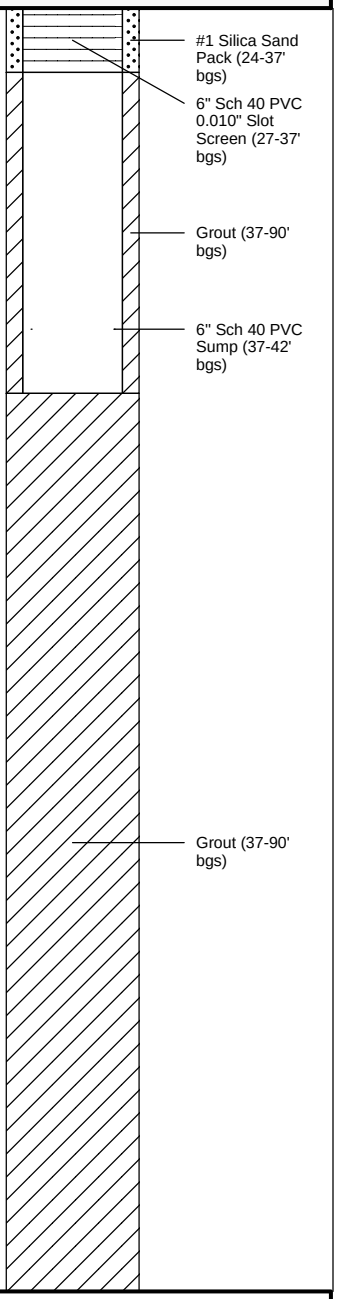
Well/Boring ID: SB-51/RW-D

Borehole Depth: 90' bgs

Site Location:
20 Water Street, Ossining, NY.

DRAFT

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description
-30	8	35-40	5.0	10.6 8 7 3.4			Gray fine to coarse SAND, trace Mica, Shells and Wood, faint coal tar-like odor, wet. Gray SILT and fine SAND, trace Shells, wet. Gray medium to coarse SAND, some fine Sand, little fine sub-rounded Gravel, trace Shells, faint coal tar-like odor, wet.
40							
-35	9	40-45	5.0	118 140 167 19.3 9.9			Gray fine SAND, little medium Sand, coal tar-like odor, wet. Gray fine to medium SAND, trace fine to coarse sub-rounded to sub-angular Gravel, Shells and Mica, coal tar-like odor.
45							
-40	10	45-50	5.0	223 13.6 10.9 8.6 7.5			
50							
-45	11	50-55	2.0	265			
55	12	55-60	4.5	194			



Well/Boring Construction

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Remarks: bgs = below ground surface; NA = Not Applicable/Available; AMSL = Above Mean Sea Level.

Analytical sample collected from 5-6'bgs, 29-30' bgs, 32-33' bgs, 59-60' bgs and 83-84' bgs for VOCs, SVOCs, TAL Metals and Cyanide. A blank duplicate BD032812 was also collected on 03/28/12.

Client: Consolidated Edison Company of New York.

Well/Boring ID: **SB-51/RW-D**

Borehole Depth: 90' bgs

Site Location:
20 Water Street, Ossining, NY.

DRAFT

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
-50	12	55-60	2.5	31.2	X		Gray fine to medium SAND, trace fine to coarse sub-rounded to sub-angular Gravel, Shells and Mica, coal tar-like odor.	
							Dark gray to black SILT, trace Peat, Wood, Shells and Mica, sulfur like odor, wet.	
60				0.0			Brown PEAT, trace Wood and Mica, moist.	
-55				57				
				3.2				
65	13	60-70	7.5	0.0				
				0.0				Grout (37-90' bgs)
-60				0.0				
				0.0				
70				0.0				
				0.0				
-65	14	70-80	5.0	0.0				
75								

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Remarks: bgs = below ground surface; NA = Not Applicable/Available; AMSL = Above Mean Sea Level.

Analytical sample collected from 5-6'bgs, 29-30' bgs, 32-33' bgs, 59-60' bgs and 83-84' bgs for VOCs, SVOCs, TAL Metals and Cyanide. A blank duplicate BD032812 was also collected on 03/28/12.

Client: Consolidated Edison Company of New York.

Well/Boring ID: **SB-51/RW-D**

Borehole Depth: 90' bgs

Site Location:
20 Water Street, Ossining, NY.

DRAFT

DEPTH / ELEVATION	Sample Run Number	Sample/Int/Type	Recovery (feet)	PID Headspace (ppm)	Analytical Sample	Geologic Column	Stratigraphic Description	Well/Boring Construction
-70	14	70-80	5.0	0.0			Brown PEAT and SILT, trace fine Sand and mica, very soft, wet. Gray fine to medium SAND, trace coarse Sand, Peat and Mica, wet.	
							Gray/black/white/olive green SILT, fine to coarse angular Gravel, trace fine to coarse Sand and Mica, moist.	
80							Gray fine to medium SAND, trace coarse Sand and Mica, moth ball-like odor, wet.	
				59.5				
-75				75.3				
				132	X			Grout (37-90' bgs)
				109				
85	15	80-90	10.0				Gray/white/black/orange fine to coarse sub-rounded to sub-angular GRAVEL, trace fine to coarse Sand, wet.	
				46				
-80				2.7				
							Gray COBBLES, little fine to coarse sub-angular to angular Gravel, trace fine to coarse Sand, Silt and Mica.	
				2.3				
				1.9				
90				0.9			Last 6" of the sample is weathered bedrock.	
							Bottom of boring at 90' bgs.	
-85								
95								

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Remarks: bgs = below ground surface; NA = Not Applicable/Available; AMSL = Above Mean Sea Level.

Analytical sample collected from 5-6'bgs, 29-30' bgs, 32-33' bgs, 59-60' bgs and 83-84' bgs for VOCs, SVOCs, TAL Metals and Cyanide. A blank duplicate BD032812 was also collected on 03/28/12.

APPENDIX B

Waste Manifests

Use print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000156535	1	(908) 354-0210	003536913 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
41-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Att: Tom O'Connell
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	300	G	D018	D040	T
	2.							
	3.							
	4.							

Special Handling Instructions and Additional Information: LDR On File 950050/227/92669/238919 (1)DW001-2 CONTAMINATED GROUND WATER CVI Job # 9130

VR118

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Jorge Baez | Signature | Month 12 Day 13 Year 98

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Ronald Stewart	Ronald Stewart	12	13	98
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
11-1) 342.
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

9. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
Nicole Gibson	Nicole Gibson	12	13	98

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

...e print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	001028726 JJK

5. Generator's Name and Mailing Address CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T	490	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/93040/239245 (1)DW001-2 CONTAMINATED GROUND WATER

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

GENERATOR — Generator's/Offeror's Printed/Typed Name: CHARLES LEARY — Signature: Charles Leary — Month 12 Day 15 Year 08

INT'L — 16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: ____ Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER — 17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ronald Stewart — Signature: Ronald Stewart — Month 12 Day 15 Year 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY — 18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Alicia Johnson — Signature — Month 12 Day 15 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete. DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CHX Job #1180 JH

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	000892122 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGF SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	165	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/93355/239622 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 9130

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Kat VanDorsen - for Con-Ed — Signature: [signature] — Month 12 Day 29 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart — Signature: Ronald Stewart — Month 12 Day 29 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
(H-1) 208 G.
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Alicia Gibson — Signature: [signature] — Month 12 Day 29 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	003535831 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING, NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name: — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) Expedite Flamability Testing ERG# 171	XX1	T T	500	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 950050/227/90996/237130 (1)DW001-2 CONTAMINATED GROUND WATER
CVI Job # PO
VR-118

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: J Beckley 12723 — Signature: [signature] — Month 10 Day 07 Year 08

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart — Signature: Ronald Stewart — Month 10 Day 07 Year 08

Transporter 2 Printed/Typed Name: — Signature: — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS — Signature: Helen Ellis — Month 10 Day 07 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

(Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

M HAZARDOUS ASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	908-354-0210	003536624 JJK

5. Generator's Name and Mailing Address
Con Edison Company of N.Y. / Ossining MGP Site
31-02 20th Ave LIC N.Y. 11105

Generator's Site Address (if different than mailing address) 1 HARBOR SQ.
CENTRAL AVE & N. WATER ST. OSSINING N.Y. 10562

Generator's Phone: 718-204-4347

6. Transporter 1 Company Name: Clean Venture Inc.
U.S. EPA ID Number: NJ0000027193 NJD000220046 (HM)

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem Inc.
217 S First St. N.J. 07206
Elizabeth
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. HAZARDOUS WASTE LIQUID NOS (BENZENE-TRICHLORETHENE) 9, NA3082, PG III	XX1	TT	265	G	D018	D040	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
APPROVAL # 950050-DN001-02
Accel Expedite Flamability Testing
Accel #085116
TRI# VR22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: John S Begley
Signature: John Begley
Month: 11 Day: 03 Year: 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart
Signature: Ronald Stewart
Month: 11 Day: 3 Year: 08

Transporter 2 Printed/Typed Name
Signature
Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
11-1) 464 NOT 265
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS
Signature: Helen Ellis
Month: 11 Day: 03 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

GENERATOR
INT'L
TRANSPORTER
DESIGNATED FACILITY

LDR ON FILE
OK per U.

Use print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	003536913 JJK

Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
51-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Att: Tom O'Connell
Generator's Phone: (718) 204-4547

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027195

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s. (Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XXI	T	300	G	D018	D040	T
	2.							
	3.							
	4.							

Special Handling Instructions and Additional Information: LDR On File 950050/227/92669/238919 (1)DW001-2 CONTAMINATED GROUND WATER CVI Job # 9130

VR118

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Sonja Baez — Signature — Month 12 Day 13 Year 08

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart — Signature: Ronald Stewart — Month 12 Day 13 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
11-1) 342.
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Nicola Gibson — Signature — Month 12 Day 13 Year 08

EPA Form 8700-22 Rev. 3-05 Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

e print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	001028726 JJK

5. Generator's Name and Mailing Address CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T	490	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information LDR On File 950050/227/93040/239245 (1)DW001-2 CONTAMINATED
GROUND WATER

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY — Signature: Charles Leary — Month: 12 Day: 15 Year: 08

INTL
16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER
17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ronald Stewart — Signature: Ronald Stewart — Month: 12 Day: 15 Year: 08
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY
18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Alicia Gibson — Signature — Month: 12 Day: 15 Year: 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CHX Job #1180 SH

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	000892122 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGF SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	165	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/93355/239622 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 9130

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Kat VanDusen - for Con-Ed — Signature: [signature] — Month 12 Day 29 Year 08

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart — Signature: Ronald Stewart — Month 12 Day 29 Year 08

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
(H) 208 G.
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Alicia Gibson — Signature: [signature] — Month 12 Day 29 Year 08

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	000892142 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	390	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/93470/239768 (1)DW001-2 CONTAMINATED GROUND WATER CVI Job # 9130

VE118

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY
Signature: Charles Leary
Month: 1 Day: 5 Year: 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart
Signature: Ronald Stewart
Month: 1 Day: 5 Year: 09

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Adria Gibson
Signature: Adria Gibson
Month: 1 Day: 6 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	003536988 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGF ST Att: TOM O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address): HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XVI	T T	377	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/94812/241284 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 9130
TBD33 WT
VR119

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are ~~classified~~, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez — Signature — Month Day Year: 02 24 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata — Signature — Month Day Year: 02 24 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Kevin Gibson — Signature — Month Day Year: 02 24 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	000892142 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	390	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/93470/239768 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 9130

VE118

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY
Signature: Charles Leary
Month: 1 Day: 5 Year: 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart
Signature: Ronald Stewart
Month: 1 Day: 5 Year: 09

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Alan Gibson
Signature:
Month: 1 Day: 6 Year: 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

060341901 - UC Job # CMX 1150

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	003633866 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP ST Att. TOM OConnell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address): 1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. *HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX9	T T	633	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/957127242282 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 9130 TBD334-05 NL, 19

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez — Signature — Month 03 Day 27 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata — Signature — Month 03 Day 27 Year 09
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS — Signature: Helen Ellis — Month 03 Day 27 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	~~2.~~ Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	003533576 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SI Attn: Tom O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address): 1 HARBOR SQ. CENTRAL AVE. & N. WATER OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	470	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/96853/243524 (1)DW001-2 CONTAMINATED GROUND WATER CVI Job # 9130
VR22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month Day Year: 04 27 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart
Signature: Ronald Stewart
Month Day Year: 4 27 09

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS
Signature: Helen Ellis
Month Day Year: 04 27 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of: 1
3. Emergency Response Phone: (908) 354-0210
4. Manifest Tracking Number: 003533719 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE ATT: TOM O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	662	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/97980/244859 (1)DW001-2 CONTAMINATED GROUND WATER CVI Job # 9130

VR118

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month Day Year: 5 29 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Ronald Stewart
Signature: Ronald Stewart
Month Day Year: 5 29 09

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

11-1) 750 NOT 662

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS
Signature: Helen Ellis
Month Day Year: 05 29 09

OK Jane Coughlin

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

060341701 - 02

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	000958183 GBF

GENERATOR

5. Generator's Name and Mailing Address
CON EDISON OSSINING MGP SITE Attn: Tom O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name
CLEAN VENTURE INC.
U.S. EPA ID Number
NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number
NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	576	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LDR On File 950050/227/98911/246101 (1)DW001-2 CONTAMINATED GROUND WATER CVI Job # 9130
T97 T64- DJ
J,K118

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month Day Year: 06 26 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: NEIL DAGATE
Signature:
Month Day Year: 06 26 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis
Signature:
Month Day Year: 06 26 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000156535	1	(908) 354-0210	000958769 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE Attn: TOM OConnell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address): 1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	YX1	T T	595	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/100124/247657 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 9130 41569 MA VR22 09728

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez — Signature — Month/Day/Year: 07/13/09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata — Signature — Month/Day/Year: 07/13/09
Transporter 2 Printed/Typed Name — Signature — Month/Day/Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month/Day/Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS — Signature — Month/Day/Year: 07/13/09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

06034190I-02

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	00096201 9 GBF

GENERATOR

5. Generator's Name and Mailing Address
CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562
U.S. EPA ID Number

6. Transporter 1 Company Name
CLEAN VENTURE INC.
U.S. EPA ID Number
NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number
NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERGN 171	XXI	T T	655	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LDR On File 950050/227/101105/248731 (1)DW001-2 CONTAMINATED GROUND WATER CVI Job # 9130
UC118
T97 T64 NT

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dan Kaufer
Signature:
Month 08 Day 28 Year 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata
Signature:
Month 08 Day 28 Year 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS
Signature:
Month 08 Day 28 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

060341901 - 02

...orm designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

...ORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	003536387 JJK

GENERATOR

5. Generator's Name and Mailing Address
CON EDISON OSSINING MGP SITE Attn. Tom O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name
CLEAN VENTURE INC.
U.S. EPA ID Number
NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number
NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XXI	T T	550	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LDR On File 950050/227/102082/249838 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 9130
41569 MA VR23

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baer
Signature:
Month Day Year: 09 30 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER DAgata
Signature:
Month Day Year: 09 30 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis
Signature: Helen Ellis
Month Day Year: 09 30 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

060341901 - 02

118 VR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	000962417 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	750	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227105175/250958 (1)DW001=2 CONTAMINATED
GROUND WATER CVI Job # 9130 VR-118
TR. Plate# AJ944R NJ/Decgl#09608 — TRL. Plate# T97-T6U NJ /Decgl#09723

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Don Matter — Signature: X — Month 10 Day 29 Year 09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jorge Prieto — Signature: — Month 10 Day 29 Year 09

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Linda Gibson — Signature — Month 11 Day 03 Year 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

VR 1 18

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	001056500 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE ATT: TOM O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address): HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XV	T T	827	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/227/103990/251831 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # PO
VR22
41565 M A

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Perez — Signature — Month/Day/Year: 11/20/09

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Peter D'Agosta — Signature — Month/Day/Year: 11/30/09
Transporter 2 Printed/Typed Name — Signature — Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month/Day/Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS — Signature — Month/Day/Year: 11/2009

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

12/09/2009 09:25 6094665369 JOSEPH D ANGELONE PAGE 02

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	001056905 GBF

GENERATOR

5. Generator's Name and Mailing Address
CON EDISON OSSINING MGP SITE
Att: Tom O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name
CLEAN VENTURE INC.
U.S. EPA ID Number
NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number
NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XXL	T T	798	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
LDR On File 950050/227/104762/252668 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 9130
4/569MA
VR22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month Day Year: 12 22 09

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata
Signature:
Month Day Year: 12 22 09
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS
Signature:
Month Day Year: 12 22 09

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000139535	1	(908) 354-0210	001057101 GBF

GENERATOR

5. Generator's Name and Mailing Address
CON EDISON DOCKING MGR ST
ATT: TOM O'Connell
51-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR RD. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name
CLEAN VENTURE INC.
U.S. EPA ID Number
NJD000027393

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem Inc.
217 South Front Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number
NJD002200044

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. Hazardous waste, liquid, n.o.s. (Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERGM 171	XX1	T	736	G	D018 D040 T
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EMERGENCY CONTACT (908) 354-0210
GROUND WATER, CVI Job # 9130
TR# 140-PM# AN-844K WI
T-22 PM# 41580MA

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month: 1 Day: 22 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jorge Ruiz
Signature:
Month: 1 Day: 22 Year: 10

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Helen Ellis
Signature:
Month: 1 Day: 22 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of: 1
3. Emergency Response Phone: (908) 354-0210
4. Manifest Tracking Number: 000960882 GBF

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX 1	T T	833	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File #950050/227/106068/254113 * (1)DW001-2 CONTAMINATED GROUND WATER
VK22
41569 M M

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ELTON HANSON
Signature: E Hanson
Month Day Year: 02 24 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D Ayata
Signature:
Month Day Year: 02 24 10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Mona Gibson
Signature:
Month Day Year: 02 24 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

2-12

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	000959554 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4547

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, solid, n.o.s. 9 NA3077 PG III (D018 D040 T) ERG# 171	XX1	D M	X55	G	D018	D040	T
	2. ~~NON REGULATED MATERIAL Non RCRA Non DOT~~		~~D M~~		~~G~~	~~D027~~		
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 950050/102/107674/255782 (1)CM1-5 CARBON, DEBRIS W/ BENZENE & TCE (DRUM) (2)GR01-4 (A) NON-HAZ. SOIL & DEBRIS (55 GAL DM) CVI Job # 54838-01-05
Decall # 09516 Plate # XM-118T CU-133

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Dn Maffei
Signature
Month: 3 Day: 26 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Luisito Garcia
Signature
Month: 03 Day: 26 Year: 10

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS
Signature
Month Day Year: 3/26/10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	000959548 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	YM	T T	833	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/107661/255769 (1)D001-2 CONTAMINATED
GROUND WATER CVI Job # 54838.01.05
41569 MA
VR22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dan Maffei
Signature:
Month 03 Day 26 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata
Signature:
Month 03 Day 26 Year 10

Transporter 2 Printed/Typed Name:
Signature:
Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS
Signature:
Month 03 Day 26 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	001053597 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	775	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/108489/256701 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 54838.01.05
TR143 VR118

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Don Maffei
Signature:
Month: 4 Day: 23 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ronald Stewart
Signature: Ronald Stewart
Month: 4 Day: 23 Year: 10
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis
Signature: Helen Ellis
Month: 04 Day: 23 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of: 1
3. Emergency Response Phone: (908) 354-0210
4. Manifest Tracking Number: 000892461 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE Att: TOM O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	001	T T	743	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/109536/257760 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 54838-01-05 TCR-152
VB-113 Plate HAZ Dec 109719

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: x George Baez
Signature:
Month 5 Day 21 Year 10

INT'L

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Conrad Cunyh
Signature:
Month Day Year
Transporter 2 Printed/Typed Name:
Signature:
Month 5 Day 21 Year 10

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis
Signature:
Month 05 Day 24 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CleanVenture/CycleChem

CVCC 205867

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

Page 1 of 1 — 24 Hour Emergency Number (908) 354-0210

Generator's Name and Mailing Address
CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone ((718) 204-4347

BOL

1 HARBOR SQ. CENTRAL AVE.
OSSINING NY 10562

Transporter 1 Company Name
CLEAN VENTURE, INC.
State Trans. ID-NJDEPE
Decal No.- 16755 12194

Transporter 2 Company Name
Transporter's Phone ((908) 355-5000
State Trans. ID-NJDEPE
Decal No.-

Designated Facility Name and Site Address — 10. US EPA ID Number
Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
NJD002220046
Transporter's Phone ( )
Facility's Phone ((908) 355-5000

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	NON REGULATED MATERIAL Non-RCRA Non-DOT	XX1	D M	100	P	1027
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. | c.

b. | d.

CCI Generator # and Product Codes: 950050/102/109537/257761 (1)GR01-4 (A) NON-HAZ. ~~SOIL~~ % DEBRIS (55 GAL DM) CVI Job # 54838-01-05

Plate # XM 117 PRE

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED — PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

GENERATOR

Printed/Typed Name	Signature	Month Day Year
Jorge Baez	X	5-21-10

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Wilmer Quinones	Wilmer Quinones	5-21-10

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Alicia Cohen		05 21 10

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR — COPY 2 - PINK - TRANSPORTER — COPY 3 - BLUE - CycleChem — COPY 4 - CANARY - FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	006877066 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGF SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	T T	750	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 950050/102/110687/259055 (1)DW001-2 CONTAMINATED GROUND WATER
CVI Job # 54838.01.05
Plate AG 329 G NJ-TR-153 T97-T64 NJ VR118

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dan Maffei — Signature: [signature] — Month 6 Day 25 Year 10

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PAUL GUZMAN — Signature: [signature] — Month 06 Day 25 Year 10

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

11-1) 936 GAL NOT 750

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazerdous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment; disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS — Signature: [signature] — Month 06 Day 25 Year 10

OK Lugo

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	006874048 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP 51
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XXI	TT	889	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 9500507102711193572603G5 (1)DW001-2 CONTAMINATED GROUND WATER
CVI Job # 54838.01.05
TRL 41569MM
VL22
LDR ON FILE.

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dan Coffey — Signature — Month 07 Day 30 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): — Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata — Signature — Month 07 Day 30 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Nancy Ellis — Signature: Helen Ellis — Month 07 Day 30 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CleanVenture/CycleChem

CVCC 137091

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

Page 1 of 1

24 Hour Emergency Number (908) 354-0210

Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone ((718) 204-4347

BOL

1 HARBOR SQ. CENTRAL AVE.
OSSINING NY 10562

Transporter 1 Company Name: CLEAN VENTURE INC.

State Trans. ID-NJDEPE 16755
Decal No.- 12104
Transporter's Phone ((908) 355-5800

Transporter 2 Company Name:

State Trans. ID-NJDEPE:
Decal No.-
Transporter's Phone ( )

Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206

10. US EPA ID Number: NJD002200046

Facility's Phone ((908) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	NON REGULATED MATERIAL Non-RCRA Non-DOT	XX1	DM	XX160	P	ID27
b.	NON REGULATED MATERIAL Non-RCRA Non-DOT	XX1	DM	XXX60	P	ID27
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. c.

b. d.

CCI Generator # and Product Codes: 950050/102/112610/261139 (1)GR01-6 CARBON (2)GR01-4 (A) NON-HAZ.
SOIL & DEBRIS (55 GAL DM) CVI Job # 54838.01.05

Plate# XM 117T-CU-134

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED N/A PLACARDS SUPPLIED ☐ YES ☒ NO- FURNISHED BY CARRIER

GENERATOR

Printed/Typed Name	Signature	Month Day Year
Dan Maffei		8 27 10

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Cuisito Garcia		08-27-10

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Erica Gibson		8/27/10

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	006874202 JJK

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGF SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	TT	936	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 950050/102/112612/261140 (1)DW001-2 CONTAMINATED GROUND WATER
CVI Job # 54838.01.05
T97 T64 - WJ
VL118

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Don Matteo — Signature — Month 08 Day 27 Year 10

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata — Signature — Month 08 Day 27 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS — Signature — Month 08 Day 27 Year 10

LDR ON F826

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of: 1
3. Emergency Response Phone: (908) 354-0210
4. Manifest Tracking Number: 006877319 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGF ST Att: Tom O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Site Address (if different than mailing address): HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562
Generator's Phone: (718) 204-4347

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XXI	TT	Y736	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: 950050/102/113727/262402 (1)DW001-2 CONTAMINATED GROUND WATER
CVI Job # 54838.01.05
09728 41569 MA HR22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month Day Year: 09/24/10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'Agata
Signature:
Month Day Year: 09/24/10
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis
Signature:
Month Day Year: 09/27/10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	001053110 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE Att. TOM O'Connell
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX	TT	x862	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/114864/263587 (1)DW001-2 CONTAMINATED
GROUND WATER CVI Job # 54838.01.05
T57 T64-US VC/1,2

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez — Signature: A. Baez — Month 10 Day 29 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D AGATE — Signature — Month 10 Day 29 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS — Signature: Helen Ellis — Month 10 Day 29 Year 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of: 1
3. Emergency Response Phone: (908) 354-0210
4. Manifest Tracking Number: 001057714 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE Attn Tom O'Connell
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	1	TT	833	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/115876/264700 (1)DW001-2 CONTAMINATED GROUND WATER CVI Job # 54838-01-05
OEC 09728-

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: MARK RIMLER
Signature:
Month: 11 Day: 24 Year: 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER DAZZO
Signature:
Month: 11 Day: 24 Year: 10
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS
Signature:
Month: 11 Day: 24 Year: 10

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CleanVenture/CycleChem

CVCC 209584

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

Page 1 of 1 — 24 Hour Emergency Number (908) 354-0210

BOL 12019584

Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone ((718) 204-4342

1 HARBOR SQ. CENTRAL AVE.
OSSINING NY 10562

Transporter 1 Company Name: CLEAN VENTURE INC
State Trans. ID-NJDEPE: 14755
Decal No.- 17733
Transporter 2 Company Name:
Transporter's Phone ((908) 355-5900

Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
10. US EPA ID Number: NJD002182314
State Trans. ID-NJDEPE:
Decal No.-
Transporter's Phone ( )
Facility's Phone ((908) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	NON REGULATED MATERIAL Non-RCRA Non-DOT CARBON	X	DM	55	G	ID27
b.	NON REGULATED MATERIAL Non-RCRA Non-DOT					ID27
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. | c.

b. | d.

CCI Generator # and Product Codes: 950050/102/116686/265491 CVI Job # 54238.01.05 (1)GR01-6
CARBON(2)GR01-4 (A) NON-HAZ. SOIL & DEBRIS (55 GAL DM)

CV 134 Plate # XM 117T Decal - 17733

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED — PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

GENERATOR

Printed/Typed Name: CHARLES LEARY | Signature: Charles Leary | Month 12 Day 23 Year 10

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: SEAN MEYER | Signature | Month 12 Day 23 Year 10

Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest
Printed/Typed Name: Alicia Gibson | Signature | Month 12 Day 28 Year 10

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR — COPY 2 - PINK - TRANSPORTER — COPY 3 - BLUE - CycleChem — COPY 4 - CANARY - FACILITY

VR118

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	001057513 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SI
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						D018	D040	T
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERG# 171	XX1	TT	576	G			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/116685/265490 CVI Job # 54838.01.05
(1)DW001-2 CONTAMINATED GROUND WATER

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY — Signature: Charles Leary — Month 12 Day 23 Year 10

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: RAUL GUZMAN — Signature: Raul Guzman — Month 12 Day 23 Year 10
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☒ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
11-1) 662 NOT 576
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS — Signature: Helen Ellis — Month 12 Day 28 Year 10

A Arnold

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158555	1	(908) 354-0210	001056744 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MOF 51
31-02, 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						D018	D040	T
X	1. Hazardous waste, liquid, n.o.s. (Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040 T) ERGH 171	1	TT	842	G	✓	✓	✓
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/117853/266605 CVI Job # 548380105
(1) DW001-2 CONTAMINATED GROUND WATER
T.140 - AM 782 U-NJ.
VR118 - T97-T6 U-NJ.

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X George Baez
Signature: X
Month: 1 Day: 31 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: GILBERTO VELEZ
Signature:
Month: 1 Day: 31 Year: 11

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
H-1) 1334
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Chris O'Dea
Signature:
Month: 1 Day: 31 Year: 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000156555 | 2. Page 1 of: 1 | 3. Emergency Response Phone: (908) 354-0210 | 4. Manifest Tracking Number: 003534581 JJK

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP ST
51-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4647

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. | U.S. EPA ID Number: NJD000027193

7. Transporter 2 Company Name | U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5300 | U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. Hazardous waste, liquid, n.o.s.(Benzene, Trichloroethene) 9 NA3082 PG III (D018 D040, T) ERG# 171	XXJ	TT	X736	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/121110/269700 01 Job # 54838.01.05
(1)DW001-2 CONTAMINATED GROUND WATER
VR118

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dan Maffei | Signature | Month 04 Day 29 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PETER DAGATA | Signature | Month 04 Day 29 Year 11

Transporter 2 Printed/Typed Name | Signature | Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS | Signature: Helen Ellis | Month 05 Day 02 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	006903609 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						D018	D040	T
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE, TRICHLOROETHENE) (D018 D040 T) 9 PG III ERG# 171	XM	T	X736	G			
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/124534/272985 CVI Job # 54838.01.05
(1)DW001-2 CONTAMINATED GROUND WATER
41569 MA VR22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez — Signature — Month 7 Day 29 Year 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'AGATA — Signature — Month 7 Day 29 Year 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number: U.S. EPA ID Number
18b. Alternate Facility (or Generator)
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: NOLEN ELLIS — Signature — Month 10 Day 29 Year 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CleanVenture/CycleChem

CVCC 169820

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

Page 1 of 1

24 Hour Emergency Number (908) 354-0210

GENERATOR

Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105

Generator's Phone: (718) 204-4347

BOL
1 HARBOR SQ. CENTRAL AVE.
OSSINING NY 10562

Transporter 1 Company Name: CLEAN VENTURE INC.

State Trans. ID-NJDERE 16755

Decal No. 0567

Transporter 2 Company Name:

Transporter's Phone (908) 355-5800

Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206

10. US EPA ID Number: NJD 0 9 9 3 3 9 9 9 4 6

State Trans. ID-NJDEPE:

Decal No.:

Transporter's Phone ( )

Facility's Phone (908) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	Non-DOT NON REGULATED MATERIAL Non-RCRA	XX1	DM	100	P	1D27
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. c.

b. d.

CCI Generator # and Product Codes: 9500507102/124535/272986 CVI Job # 54838.01.05 (1)6R01-4 (A) NON-HAZ. SOIL & DEBRIS (55 GAL DM)

Rack-133
Plate #XU 60 YM

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED ☐ YES ☐ NO- FURNISHED BY CARRIER PLACARDS SUPPLIED

Printed/Typed Name	Signature	Month Day Year
X	X	7-28-11

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
WILMER Caminero		7-28-11

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
		7-28-11

SIGNATURE AND INFORMATION MUST BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

CleanVenture/CycleChem

CVCC 217859

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

Page 1 of 1

24 Hour Emergency Number (908) 354-0210

GENERATOR

Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone ((718) 204-4347

BOL

1 HARBOR SQ. CENTRAL AVE.
OSSINING NY 10562

Transporter 1 Company Name: CLEAN VENTURE INC.
State Trans. ID-NJDEPE 16755
Decal No.- 16458
Transporter's Phone ((908) 355-5800

Transporter 2 Company Name:
State Trans. ID-NJDEPE
Decal No.-
Transporter's Phone ( )

Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
10. US EPA ID Number: NJD002200046
Facility's Phone ((908)) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	Non-DOT NON REGULATED MATERIAL Non-RCRA	XVI	DM	55	G	ID27
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a.
b.
c.
d.

CCI Generator # and Product Codes: 950050/102/127727/275998 CVI Job # 548380105 (1)GR01-4 (A) NON-HA

Z. SOIL & DEBRIS (55 GAL DM)

Sht 26 Plate XX442V

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED — PLACARDS SUPPLIED ☐ YES ☑ NO- FURNISHED BY CARRIER

Printed/Typed Name	Signature	Month Day Year
X Dan Maffei		10-28-11

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
Greg Lindsey		10-28-11

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest

Printed/Typed Name	Signature	Month Day Year
Chris Olsen		10/28/11

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR | COPY 2 - PINK - TRANSPORTER | COPY 3 - BLUE - CycleChem | COPY 4 - CANARY - FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	003537470 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGR' SI
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

6. Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE, TRICHLOROETHENE) (D018 D040 T) 9 PG III ERGH 171	VX1	TT	5550	G	D018	D040	T
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/127/28/275999 CVI Job # 548380105
(1)DW001-2 CONTAMINATED GROUND WATER 14812 41569 MA VR 22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dan Maffei
Signature:
Month: 10 Day: 28 Year: 11

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PETE D'Agata
Signature:
Month: 10 Day: 28 Year: 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Helen Ellis
Signature: Helen Ellis
Month: 10 Day: 28 Year: 11

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	008922574 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP / 31-02 20TH AVENUE / LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

5. Generator's Site Address (if different than mailing address): 1 HARBOR SQ. CENTRAL AVE. & N. WATER / OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc. / 217 South First Street / Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) (D018 T) 9 PG III ERG# 171	XX1	TT	5506	G	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: LDR in File 930650102/130902/278907 CVI Job # 34858.01.05
(1)DW001-2; CONTAMINATED GROUND WATER VR.22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: [illegible] — Signature: [signature] — Month 11 Day 27 Year 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature: [signature] — Month 11 Day 27 Year 12

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS — Signature: [signature] — Month 12 Day 2 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	008922865 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SIT
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) (D018 . T) 9 PG III ERGH 171	XV1	TI	4846	G	D018 T
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/133056/280948 CVI Job # 54838.01.05
(1)DW001-2 CONTAMINATED GROUND WATER
4156 11A
VN22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Dan Matti — Signature — Month 4 Day 2 Year 12

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER DAGGETT — Signature — Month 4 Day 2 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS — Signature — Month 04 Day 02 Year 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	008922080 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (BENZENE) (D018 T) 9 PG III ERG# 171	1	TT	7360	G	D018	T	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: ~~950050/102/137428/285306~~ CVI Job # 54838.01.05 (1)ID-7 CONT
AMINATED GROUND WATER
41569 MT
VL 22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Kenneth J. Kaser (Con Edison) Signature: [signature] Month: 7 Day: 25 Year: 12

INTL

16. International Shipments: ☐ Import to U.S. ☒ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETE D'Agata Signature: [signature] Month: 7 Day: 25 Year: 12
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HALEN ELLIS Signature: [signature] Month: 07 Day: 25 Year: 12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) — Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	008923402 JJK

GENERATOR

5. Generator's Name and Mailing Address — CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address)
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) (D018 T) 9 PG III ERG# 171	XX	TT	X611	G	D018	T	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 550050/102/141725/289554 CVI Job # 54838.01.05
(1) ID-7 CONTAMINATED GROUND WATER
NYSDEC # 5528 Decal # 18760 Plate # RA 78147

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ELTON HANSON — Signature: [signature] — Month/Day/Year: 11/15/12

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LUISITO GOMEZ — Signature: [signature] — Month/Day/Year: 11/15/12

Transporter 2 Printed/Typed Name — Signature — Month/Day/Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month/Day/Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: [illegible] — Signature: [signature] — Month/Day/Year: 11/16/12

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	008922335 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP ST
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) (D018 T) 9 PG III ERGH 171	XX1	TT	192	G	D018	T	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/156242/304088 (1)1D-7 CONTAMINATED GROUND WATER
VT-01 Plated ARGYT Decal # 411209

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Beer — Signature: [signature] — Month 11 Day 26 Year 13

TRANSPORTER INT'L

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. — Port of entry/exit: — Date leaving U.S.:
Transporter signature (for exports only):

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Victor Vega — Signature: [signature] — Month 11 Day 26 Year 13
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☒ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis — Signature: [signature] — Month 11 Day 27 Year 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	010913681 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SI
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) (D018 T) 9 PG III ERG# 171	XX1	TT	EST. 175	G	D018		TD27
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 9500501102/152763/300923 CV1 Job # 54838-01-05
(1)ID-7 CONTAMINATED GROUND WATER
VAC-169 PI# AN-877 Decal # 408058

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: X Charles Leary
Signature: X CHARLES LEARY
Month: 08 Day: 30 Year: 13

INTL

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Ricardo Rodriguez
Signature:
Month: 8 Day: 30 Year: 13
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
13-1) DELETE D027
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Howard Ellis
Signature:
Month: 08 Day: 30 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	010407075 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) (D018 T) 9 PG III ERG# 171	X/XW	TT	X382 G		D018	T	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/149287/297423 (1)ID--7 CONTAMINATED GRO
UND WATER
L4842 TL995L
HR22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month Day Year: 05 13 13

INT'L

16. International Shipments: ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER DAGATA
Signature:
Month Day Year: 05 13 13
Transporter 2 Printed/Typed Name:
Signature:
Month Day Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space: ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month Day Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis
Signature:
Month Day Year: 05 13 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	000960187 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC. — U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) (D018 T) 9 PG III ERG# 171	XXL	TT	350	G	D018	T	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/145714/293911 (1)ID-7 CONTAMINATED GRO
UND WATER

U822.

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Meez — Signature: [signature] — Month Day Year: 02 28 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: PETER D ASSTG — Signature: [signature] — Month Day Year: 02 28 13

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: HELEN ELLIS — Signature: [signature] — Month Day Year: 02 28 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CleanVenture/CycleChem

CVCC 247058

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

Page 1 of 1

24 Hour Emergency Number (908) 354-0010

GENERATOR

Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
01-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

BOL 0247058

1 HARBOR SQ. CENTRAL AVE.
OSSINING NY 10562

Transporter 1 Company Name: CLEAN VENTURE INC
State Trans. ID-NJDEPE: 16755
Decal No.: 10083

Transporter 2 Company Name:
Transporter's Phone: (908) 355-5000
State Trans. ID-NJDEPE:
Decal No.:

Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206

10. US EPA ID Number: NJD 0 6 5 2 4 6

Transporter's Phone:
Facility's Phone: (908) 355-5000

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	Non-DOT NON REGULATED MATERIAL Non-RCRA	XX	DM	X110 XX55 (40)	G	ID27
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. | c.

b. | d.

CCI Generator # and Product Codes: 950050/102/160356/307560 CVI Job # 54838.01.05 (1)PC01-9 PPE/DEBRIS

Plate # XX-585J VEH # RK-02

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED: N/A PLACARDS SUPPLIED: ☐ YES ☑ NO- FURNISHED BY CARRIER

Printed/Typed Name	Signature	Month	Day	Year
CHARLES LEAHY	Charles Leahy	03	28	14

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Luisito Garcia		03	28	14

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	012352790 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SIT
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) 9 PG III ERGH 171 (RQ D018 10#)	XXI	TT	382	G	D018		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File WSH050710271 07558 (1)D-7 CONTAMINATED GROUND WATER
TLS95
DEL 408016 VR22

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY
Signature: Charles Leary
Month: 03 Day: 28 Year: 14

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER DiSETO
Signature:
Month: 03 Day: 28 Year: 14
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19 Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS
Signature: Helen Ellis
Month: 03 Day: 28 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CleanVenture/CycleChem

CVCC 245965

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

BILL OF LADING

Page 1 of 1

24 Hour Emergency Number (908) 354-7210

Generator's Name and Mailing Address CONSOLIDATED EDISON OF NY
31-01 20TH AVENUE BLEG 136
ASTORIA, NY 11105
Generator's Phone ((718) 204-4947

BOL

1066 ZEREGA AVENUE
BRONX NY 10467

Transporter 1 Company Name: CLEAN VENTURE INC
State Trans. ID-NJDEPE 16755
Decal No.- 001985
Transporter's Phone ((908) 355-5800

Transporter 2 Company Name:
State Trans. ID-NJDEPE
Decal No.-
Transporter's Phone ( )

Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
10. US EPA ID Number: NJD002220046
Facility's Phone ((908) 355-5800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	Non-DOT NON REGULATED MATERIAL (PPE) Non-RCRA	4	DM	200	P	ID27
b.	Non-DOT NON REGULATED MATERIAL Non-RCRA	14	PA	5600	P	ID72
c.	Non-DOT NON REGLATED MATERIAL Non-RCRA	7	DM	385	G	ID27
d.						

J. Additional Descriptions for Materials Listed Above

a. | c.

b. | d.

CCI Generator # and Product Codes: 959609/102/161780/308787 CVI Job # 54895.01.09 (1)PC01-2 PPE

WASTE (2)PC04-4 WATER DRILLING FLUIDS (3)PC01-5 DEBRIS, SOIL

TRUCK ST 11 PLATE D1782M

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

GENERATOR

Printed/Typed Name: EATON HANSON — Signature — Month Day Year: 5-2-14

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MARIO AGUILA — Signature — Month Day Year: 5-2-14

Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.
Printed/Typed Name: Brian Gibson — Signature — Month Day Year: 5/2/14

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000115515
2. Page 1 of: 1
3. Emergency Response Phone: (908) 354-0210
4. Manifest Tracking Number: 010408245 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31 02 20TH AVENUE
LONG ISLAND CITY, NY 11105
ATT. T.O'CONNELL (718)204-4282
Generator's Phone: (718) 204-4347
Generator's Site Address (if different than mailing address): 1 HARBOR SQ. CENTRAL AVE. & N. WATER OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJD000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5000
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BEN/ENE) 9 PG III (RQ D018 10#) ERGH 171	XX1	TT	330	G	D018	F	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/168069/314539 CVI Job # 54830.01.05
(1)ID-7 CONTAMINATED GROUND WATER
TL595L
VR22

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: ELTON HANSON
Signature: [signature]
Month/Day/Year: 10/18/19

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: PETER D'AGATA
Signature: [signature]
Month/Day/Year: 10/16/19
Transporter 2 Printed/Typed Name:
Signature:
Month/Day/Year:

DESIGNATED FACILITY

18. Discrepancy
18a Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c Signature of Alternate Facility (or Generator)
Month/Day/Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS
Signature: [signature]
Month/Day/Year: 10/16/19

EPA Form 8700-22 (Rev 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type (Form designed for use on elite (12-pitch) typewriter)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	(908) 354-0210	000960435 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt/Vol	13. Waste Codes
RQ	NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) 9 PG III (RQ D018 10#) ERGH 171	X1	TT	95	G	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: LDR On File 950050710271701277316399 CVI Job # 548380105
(1)ID-7 CONTAMINATED GROUND WATER
Truck#176 Decal#408064 Plate#AP653T

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month: 12 Day: 18 Year: 14

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Carlos Tabares
Signature:
Month: 12 Day: 18 Year: 14

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Helen Ellis
Signature:
Month: 12 Day: 18 Year: 14

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1 Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4 Manifest Tracking Number
NYR000158535	1	(908) 354-0210	000959779 GBF

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address): 1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8 Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a HM	9b U S DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11 Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
RQ	NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) 9 PG III (RQ D018 10H) ERGH 171	XX1	T	180	G	D018 T
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/173486/319307 CVI Job # 54838.01.05
(1)ID-7 CONTAMINATED GROUND WATER
Truck#: VAE175
Plate#: AP135R
DeCal# 411217

15. **GENERATOR'S/OFFEROR'S CERTIFICATION.** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez
Signature:
Month: 03 Day: 19 Year: 15

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Roberto Gore
Signature:
Month: 03 Day: 20 Year: 15

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18 Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19 Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: 03 Day: 19 Year: 15

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535			014466714 JJK

GENERATOR

5. Generator's Name and Mailing Address: Con Edison Cessing MSF, 34-35 20th Avenue, Long Island City, NY 11105 718-204-4347

Generator's Site Address (if different than mailing address): 1 Harbor Square, Cessing, NY 10562

Generator's Phone:

6. Transporter 1 Company Name: Clean Venture Inc

U.S. EPA ID Number: NJD000027193

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address: Cycle Chem Inc, 5227 South First Street, Elwood, IN 46036

Facility's Phone: 765-552-3300

U.S. EPA ID Number: IND 000 820 046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NA3082 Hazardous Waste Liquid, N.O.S. (benzene)	XY1	TT	140	G	D018
	2. Class 9 PG III ERG 128					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

CVI Job # NJ54858-01-05 ID-7, Water with Benzene

CCI GEN# 250050 VAC 168 Plate # AP1342 960050

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: George Baez — Signature — Month 6 Day 26 Year 15

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Gadsey — Signature — Month 6 Day 26 Year 15

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Richard Tomlinson — Signature — Month 6 Day 26 Year 15

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of: 1
3. Emergency Response Phone: 9083540210
4. Manifest Tracking Number: 014086439 JJK

GENERATOR

5. Generator's Name and Mailing Address: Con Edison Ossining MGP, 31-02 20th Avenue, Long Island City, NY 11105 718-204-4347
Generator's Site Address (if different than mailing address): 1 Harbor Square, Ossining, NY 10562
Generator's Phone:

6. Transporter 1 Company Name: Clean Venture Inc.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem, Inc., 217 South First Street, Elizabeth, New Jersey 07206
Facility's Phone: 9085555800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. NA3082, Hazardous Waste, Liquid, N.O.S. (bezene) Class 9 PG III ERG 128	1	TT	309	G	D018	T	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
CVI Job #NJ54636-01-05 1) IO-7, Water with Benzene HM# 408514
CCI GEN# 950060
CVI Contact: Gerrion Layfield VAC#169 PL# AN-877T

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Richard H Cosme
Signature: Richard H Cosme
Month: 9 Day: 24 Year: 13

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Tommy DONovellis
Signature: Tommy DeNovellis
Month: 9 Day: 24 Year: 13
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: HELEN ELLIS
Signature: Helen Ellis
Month: 09 Day: 24 Year: 13

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	9083540210	015320866 JJK

GENERATOR

5. Generator's Name and Mailing Address
Con Edison Ossining MGP
31-02 20th Avenue
Long Island City, NY 11105 718-204-4347
Generator's Phone:

Generator's Site Address (if different than mailing address)
1 Harbor Square
Ossining, NY 10562

6. Transporter 1 Company Name
Clean Venture Inc.
U.S. EPA ID Number
NJ0000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem, Inc.
217 South First Street
Elizabeth, New Jersey 07206
Facility's Phone: 9083555800
U.S. EPA ID Number
NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NA3082, Hazardous Waste, Liquid, N.O.S. (bezene) Class 9, PG III ERG 128	001	TT	110	G	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
CVI Job # NJ54838-01-05
CCI GEN# 950050
CVI Contact: Gordon Layfield
1) ID-7, Water with Benzene
Decal # 408514
Loc. AN897 NF
RL 169

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Elton Hanson
Signature:
Month: 12 Day: 1 Year: 15

INTL

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Nelson Jamboo
Signature:
Month: 12 Day: 1 Year: 15
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Helen Ellis
Signature: Helen Ellis
Month: 12 Day: 01 Year: 15

JJK ONSITE

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CleanVenture/CycleChem

CVCC 271138

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

WO # 189468

BILL OF LADING

BOL 012171113B

Generator's Name and Mailing Address 31-02 20th Avenue Long Island City, NY 11105	Consolidate Edison of New York
Generator's Phone ( )	718-204-4347
Transporter 1 Company Name	Clean Venture Inc
Transporter 1 EPA ID	NJ0000027193
Transporter 2 Company Name	
Designated Facility Name and Site Address Cycle Chem Inc 217 South First St. Elizabeth, NJ 07206	10. US EPA ID Number NJD002200046

Con Edison MGP Site Central Ave and N. Water Ossining, NY 10562	
State Trans. ID-NJDEPE	6816755
Decal No.-	0864
Transporter's Phone ( )	908 354 0210
State Trans. ID-NJDEPE	
Decal No.-	
Transporter's Phone ( )	
Facility's Phone ( )	908 3555800

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	Non Regulated Material Non DOT/Non RCRA, ERG 128	1	DM TT	55	P	ID27
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

L. Soil and Debris 100%

a. c.

b. d.

CCI Generator # and Product Codes:

CCI Gen # 950050 a) GR01-3

CVI Job # 54838-01-05

Contact: G. Layfield

Emergency Phone (908) 354-0210

TRK# R404

Plate #: XX585 NJ 950050

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED NA PLACARDS SUPPLIED ☐ YES ☐ NO - FURNISHED BY CARRIER X

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
ELTON HANSON		12	1	15

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Daniel Gonzalez		12	1	15

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month	Day	Year
		12	1	15

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	015626026 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address): 1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC — U.S. EPA ID Number: NJD000627103

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800 — U.S. EPA ID Number: NJD002289046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vo.	13. Waste Codes		
RQ	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S.(BENZENE) 9 PG III (RQ D018 10#) ERG# 171	XXI	TT	609	G	D018	T	
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950650/102/187652/331984 CVI Job # 54838-01-05
(1)ID-7 CONTAMINATED GROUND WATER
Vac# 169
Dr.#10514 PT# AN8777

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Charles Cabrera — Signature — Month: 3 — Day: 21 — Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: [illegible] — Signature — Month: 3 — Day: 29 — Year: 16

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

FIRST PAGE WAS GIVEN TO GENERATOR — Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Helen Ellis — Signature: Helen Ellis — Month: 02 — Day: 22 — Year: 16

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO GENERATOR STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
NYR000158535	1	(908) 354-0210	015625983 JJK

GENERATOR

5. Generator's Name and Mailing Address: CON EDISON OSSINING MGP SITE
31-02 20TH AVENUE
LONG ISLAND CITY, NY 11105
Generator's Phone: (718) 204-4347

Generator's Site Address (if different than mailing address):
1 HARBOR SQ. CENTRAL AVE. & N. WATER
OSSINING NY 10562

6. Transporter 1 Company Name: CLEAN VENTURE INC.
U.S. EPA ID Number: NJ0000027193

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Cycle Chem Inc.
217 South First Street
Elizabeth, NJ 07206
Facility's Phone: (908) 355-5800
U.S. EPA ID Number: NJD002200046

9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
RQ	1. NA3082 HAZARDOUS WASTE, LIQUID, N.O.S. (BENZENE) 9 PG III (RQ D018 10#) ERG# 171	001	TT	55	G	D018	T	
	2. ~~Non DOT NON REGULATED MATERIAL Non RCRA~~ ~~CLOSED TRANSFER~~					ID27		
	3.							
	4.							

14. Special Handling Instructions and Additional Information: LDR On File 950050/102/191731/335830 CVI Job # 54838-01-05 (1)ID-7 CONTAMINATED GROUND WATER (2)GR01-3 (A) NON-HAZ. SOIL & DEBRIS (55 GAL DM)
DECAL # 01877 PLATED AT 90DF 1/4C 176

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
CHARLES LEARY	Charles Leary	06	30	06

INT'L

16. International Shipments ☐ Import to U.S ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jose R. Montanez	Jose R. Montanez	6	30	06
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year
H. Ellis	H. Ellis	06	30	06

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	9083540210	016330289 JJK

GENERATOR

5. Generator's Name and Mailing Address
Con Edison Ossining MGP
31-02 20th Avenue
Long Island City, NY 11105 718-204-4347
Generator's Phone:

Generator's Site Address (if different than mailing address)
1 Harbor Square
Ossining, NY 10562

6. Transporter 1 Company Name
Clean Venture Inc
U.S. EPA ID Number
NJD000027193

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Cycle Chem, Inc.
217 South First Street
Elizabeth, New Jersey 07206
Facility's Phone: 9083555800
U.S. EPA ID Number
NJD002200046

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NA3082, Hazardous Waste, Liquid, N.O.S. (bezene) Class 9, PG III ERG 128		TT	45	G	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
CVI Job # NJ54838-01-05
CCI GEN# 950050
CVI Contact: Gordon Layfield
1) ~~ID~~ TBCT03-07, Water with Benzene Dec. 408551
Lic. AT900F TR-VC-176

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Charles Leary
Signature: Charles Leary
Month: 9 Day: 29 Year: 16

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Jermaine Bowden
Signature: Jermaine Bowden
Month: 9 Day: 29 Year: 16

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
16-1) 1
Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator. Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: H. ELLIS
Signature: H. Ellis
Month: 09 Day: 29 Year: 16

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

CleanVenture/CycleChem

CVCC 270055

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

Generator's Name and Mailing Address

Generator's Phone ( )

Transporter 1 Company Name

Transporter 2 Company Name

Designated Facility Name and Site Address

10. US EPA ID Number

BOL

State Trans. ID-NJDEPE

Decal No.-

Transporter's Phone ( )

State Trans. ID-NJDEPE

Decal No.-

Transporter's Phone ( )

Facility's Phone ( )

GENERATOR

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.		1			G	
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. c.

b. d.

CCI Generator #.and Product Codes: 02-

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED

PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name | Signature | Month Day Year

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name: Bernice Mills | Signature: Bernice Mills | Month Day Year: 5/29/17

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
				016832182 JJK

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6 Transporter 1 Company Name — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Facility's Phone:

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1.			84		
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

AN-8774 V6169 Permit 408574

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY — Signature: Charles Leary — Month: 03 — Day: 29 — Year: 17

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Gerald Lindsey Jones — Signature: — Month: 03 — Day: 29 — Year: 17

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Bernice Mills — Signature: — Month: 3 — Day: 31 — Year: 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
			017419059 JJK

GENERATOR

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name — U.S. EPA ID Number

Clean Venture

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address — U.S. EPA ID Number

Clean Earth of New Jersey

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.			50		
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information

AN377

VAC169

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: CHARLES LEARY — Signature — Month: 6 — Day: 22 — Year: 17

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Andrew Jones — Signature — Month: 6 — Day: 22 — Year: 17

Transporter 2 Printed/Typed Name — Signature — Month — Day — Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility's Phone.

18c. Signature of Alternate Facility (or Generator) — Month — Day — Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H141			

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name — Signature — Month: 6 — Day: 27 — Year: 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

TRANSPORTER'S COPY

CleanVenture/CycleChem

CVCC 290613

NON-HAZARDOUS SOLID WASTE

The Environmental Services Source

BILL OF LADING

GENERATOR

Generator's Name and Mailing Address: CONEDISON OSSINING MGP, 131 02 20TH AVE

Generator's Phone ( )

Transporter 1 Company Name: Clean Venture Inc NJD000027192

Transporter 2 Company Name:

Designated Facility Name and Site Address: CLEAN EARTH OF NO. JERSEY, 100 JACOBUS AVE KEARNY NJ 07032

10. US EPA ID Number: NJD991391708

BOL 0 2 7 0 6 1 3

CENTRAL AVE @ WATER ST OSSINING NY

State Trans. ID-NJDEPE

Decal No.- 06804

Transporter's Phone (908) 354-0210

State Trans. ID-NJDEPE

Decal No.-

Transporter's Phone ( )

Facility's Phone (973) 344-0004

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	NON HAZARDOUS WASTE SOLID, NOS	001	DM	20	P	ID27
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. | c.

b. | d.

CCI Generator # and Product Codes: CCI GNE# PC01

CVI JOB # NJ54838-01-05

contact: G. LAYFIELD

EMERGENCY PHONE: 908 354-0210

TRK# CV-133

Plate# YV604M

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED: N/A

PLACARDS SUPPLIED: ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name	Signature	Month Day Year
X CHARLES LEARY	Charles Leary	6-22-17

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year
ULISES GUZMAN	Ulises Guzman	6-22-17

Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month Day Year

FACILITY

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.

Printed/Typed Name	Signature	Month Day Year
Bernice Mills	Bernice Mills	6/23/17

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

199837

CVCC 234657

CleanVenture/CycleChem

The Environmental Services Source

NON-HAZARDOUS SOLID WASTE

BILL OF LADING

GENERATOR

Generator's Name and Mailing Address
Consolidated Edison of New York, Inc.
31-56 20th Avenue Bldg 138
Long Island City, NY 11105
Richard Ramos
718 204-4528
Generator's Phone ( )

BOL 1 2 3 9 5 2
Cantrel Ave and Water St
Ossining, NY

Transporter 1 Company Name
Clean Venture Inc
NJ0000027193
State Trans. ID-NJDEPE 16765
Decal No.-
Transporter's Phone (609)

Transporter 2 Company Name
State Trans. ID-NJDEPE
Decal No.-
Transporter's Phone ( )

Designated Facility Name and Site Address
Clean Earth of North Jersey
105 Jacobus Ave.
Kearny NJ 07032
10. US EPA ID Number
NJD991291196
Facility's Phone ( ) 973 344 4004

	US DOT Description (Including Proper Shipping Name, Hazard Class or Division, ID Number and Packing Group)	Containers No.	Containers Type	Total Quantity	Unit Wt/Vol	Waste No.
a.	Non Hazardous Waste Solid, N.O.S. Non DOT/Non RCRA	1	DM	55	P	[illegible]
b.						
c.						
d.						

J. Additional Descriptions for Materials Listed Above

a. S. 100% PPE, DEBRIS
b.
c.
d.

CCI Generator # and Product Codes:
a) 173081961
CVI Job # NJ54633-01-03
Contact: G. Layfield

ER Phone (908) 354-0310
TRK# CV-133
Plate # V U 60117

GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations and are non-hazardous by USEPA & applicable state regulations.

PLACARDS REQUIRED NA PLACARDS SUPPLIED ☐ YES ☐ NO- FURNISHED BY CARRIER

Printed/Typed Name: Elton Hanson
Signature: [signature]
Month Day Year: 10. 5. 17

TRANSPORTER

Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: David Lonzisera
Signature: [signature]
Month Day Year: 10-5-17

Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest.
Printed/Typed Name: Bernice Mills
Signature: [signature]
Month Day Year: 10/5/17

SIGNATURE AND INFORMATION *MUST* BE LEGIBLE ON ALL COPIES

COPY 1 - WHITE - GENERATOR COPY 2 - PINK - TRANSPORTER COPY 3 - BLUE - CycleChem COPY 4 - CANARY - FACILITY

199839

Please print or type. (Form designed for use on elité (12-pitch) typewriter.) Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: NYR000158535
2. Page 1 of
3. Emergency Response Phone:
4. Manifest Tracking Number: 017377898 JJK

GENERATOR

5. Generator's Name and Mailing Address: Con Edison Ossining MGP, 31-02 20th Avenue, Long Island City, NY 11105 718-204-4347
Generator's Site Address (if different than mailing address): 1 Harbor Square, Ossining, NY 10562
Generator's Phone:

6. Transporter 1 Company Name: Clean Venture Inc. U.S. EPA ID Number: NJSR00027193

7. Transporter 2 Company Name: U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, 105 Jacobus Ave. Kearny NJ 07032
Facility's Phone: 973-344-4004 U.S. EPA ID Number: NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NA3082, Hazardous Waste, Liquid, N.O.S. (benzene) Class 9, PG III ERG 128	1	TT	202	G	D018
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
CVI Job # NJ54838-01-05 Plate# VAL 164 an877T PO# BPA186422
CENJ APPROVAL # 163081697 Truck # ER # 908-354-0210
CVI Contact: Gordon Layfield Decal # 011536

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Burton Hanson Signature: [signature] Month: 10 Day: 5 Year: 17

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: [illegible] Signature: Paul Buchanan Month: 10 Day: 5 Year: 17
Transporter 2 Printed/Typed Name: Signature: Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Recd: 380 LBS
Manifest Reference Number:
18b. Alternate Facility (or Generator) U.S. EPA ID Number
Facility's Phone:

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

18c. Signature of Alternate Facility (or Generator) Month: Day: Year:

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. H141 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name: Bernice Mills Signature: Bernice Mills Month: 10 Day: 5 Year: 17

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

220155

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	212-580-8383	018864780 JJK

GENERATOR

5. Generator's Name and Mailing Address: Consolidated Edison of New York Inc, 31-01 20th Ave, Building 136 2nd fl, Astoria, NY 11105
Generator's Phone: 718-204-4205

Generator's Site Address (if different than mailing address): Consolidated Edison of New York Inc, 3 Westerly Road, Ossining, NY 10562

6. Transporter 1 Company Name: IWT Transport Inc — U.S. EPA ID Number: NJR988628162

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address: Clean Earth of North Jersey, 105 Jacobus Ave., Kearny NJ 07032 — U.S. EPA ID Number: NJD991291105
Facility's Phone: 9733444004

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. ~~RQ, NA3082, Hazardous waste, liquid, n.o.s. (Benzene), 9, PG III~~ 9014 YS 4/12/18	~~0~~ 1	DM	0	P	D018
	2. Non-RCRA solids, D.O.T. Non-regulated	1	DM	~~30~~ 50	P	ID27
	3.					
	4.					

RECEIVED
APR 25 2018
By

14. Special Handling Instructions and Additional Information
~~(1) 183080524 - MGP NAPL Impacted water - Haz (2) 183080780 - MGP Impacted~~ 9019 YS 4/12/18
PPE/Sampling equipment- NH
Truck # 106 NJ AR276F Decal # 402627 / 05115
Order#: 220155 - Note:

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Yelena Skvelobsgator — Signature — Month 4 Day 12 Year 18

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: Date leaving U.S.:
Transporter signature (for exports only):

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Justin Hendrix — Signature — Month 4 Day 12 Year 18

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

18c. Signature of Alternate Facility (or Generator) — Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
~~H039~~	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Bernice Mills — Signature — Month 4 Day 18 Year

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

230106

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number
	NYR000158535	1	212-580-8383	018865971 JJK

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of New York Inc
31-01 20th Ave
Building 136 2nd fl
Astoria NY 11105
Generator's Phone: 718-204-4205

Generator's Site Address (if different than mailing address)
Harbor Square
~~Consolidated Edison of New York Inc~~
3 Westerly Road
Ossining, NY 10562

6. Transporter 1 Company Name
IWT Transport Inc
U.S. EPA ID Number
NJR986628162

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc.
105 Jacobus Ave.
Kearny NJ 07032
Facility's Phone: 9733444004
U.S. EPA ID Number
NJD991291105

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
X	1. ~~RQ, NA3082, Hazardous waste, liquid, n.o.s. (Benzene), 9, PG III~~ Void &	1	DM		P	~~D018~~
	2. Non-RCRA solids, D.O.T. Non-regulated	1 cy	DM	10	P	D27
	3.					
	4.					

14. Special Handling Instructions and Additional Information
& Void
~~(1) 183080624 - MGP NAPL impacted water~~ - Haz (2) 183080700 - MGP-impacted PPE/Sampling equipment- NH
Order#. 230106 - Note:

15. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Yelena Skorobogatov
Signature:
Month: 7 Day: 6 Year: 18

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: Chris Cifelli
Signature:
Month: 7 Day: 6 Year: 18

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number

Facility's Phone:

RECEIVED PENDING MANIFEST REVIEW AND QUALITY CONTROL

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.
H040	H132		

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name: Bernice Mills
Signature:
Month: 7 Day: 16 Year: 18

EPA Form 8700-22 (Rev. 3-05) Previous editions are obsolete.

DESIGNATED FACILITY TO DESTINATION STATE (IF REQUIRED)

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
Non-Hazardous NJ0001158805 YC 6/27/13		212 580 8383	

GENERATOR

5. Generator's Name and Mailing Address
Consolidated Edison of New York
31-01 20th Ave
Building 136 2nd fl
Astoria NY 11105
Generator's Phone: 718 204-4205

Generator's Site Address (if different than mailing address)
Consolidated Edison of New York Inc
3 Westervlv Road
Ossining, NY 10562

6. Transporter 1 Company Name
IWT Transport Inc
U.S. EPA ID Number
NJR000028162

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
Clean Earth of North Jersey, Inc
105 Jacobus Ave
Kearny NJ 07032
U.S. EPA ID Number
NJD981291165
Facility's Phone: 9733444004

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
	1. Non-RCRA solids, DOT Non-regulated	1	DM		P	1327
	2.					
	3.					
	4.					

13. Special Handling Instructions and Additional Information
(1) 2893503169 MGP impacted PPE/Sampling equipment NH
Order# 277259 Note

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR'S/SHIPPER'S INITIAL COPY

APPENDIX C

Waste Characteristic Results

EMSL Analytical
3 Cooper St., Westmont, NJ 08108
Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

Attn: **Dan Klein**
Disposal Consultant Services, Inc. (DCS)
50 Howard Street
Piscataway, NJ 08854
Fax: (732) 424-0021 Phone: (732) 424-1998

Customer ID: DCS50
Customer PO:
Received: 04/04/08 6:56 PM
EMSL Order: 010801610
EMSL Proj:
Report Date: 4/14/2008

Client Sample Description SESI-01 *Collected:* 4/4/2008 1:30:00 PM *Lab ID:* 0001

Method	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date*	*Analyst*
1010	Flashpoint	>180	°F	N/A	4/14/2008	nschewlako
8081-Pesticides	See Attached			N/A	4/11/2008	eayres
8260B-Volatiles	See Attached			N/A	4/7/2008	afalasca
Sample vials received with significant headspace.						
9010B/9014	Reactive Cyanide	<0.023	mg/L	0.023	4/14/2008	crybicki
9030B/9034	Reactive Sulfide	0.20	mg/L	0.20	4/11/2008	crybicki
SM 4500-H B	pH	7.29	ph Units	N/A	4/9/2008	nschewlako
Sample received outside of regulatory hold time.						

Client Sample Description SESI-02 *Collected:* 4/4/2008 1:30:00 PM *Lab ID:* 0002

Method	*Parameter*	*Concentration*	*Units*	*RL*	*Analysis Date*	*Analyst*
8260B-Volatiles	See Attached			N/A	4/7/2008	afalasca
Sample vials received with significant headspace.						

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Customer Sample#: SESI-01

Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010801610-0001	Project:	
Lab File ID:	T3082.D	Sample Matrix:	Waste Water
Instrument ID:	VOA MSD-T	Sampling Date:	4/4/2008
Analyst:	AF	Analysis Date	4/7/2008 22:46:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	LOW
Sample wt/vol:	0.100 ML	Nominal Amount:	5 ML
Dilution Factor:	1	Method:	SW846 8260B
Heated Purge (Y/N):	N		

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
75-71-8	Dichlorodifluoromethane	50		U
74-87-3	Chloromethane	50		U
75-01-4	Vinyl chloride	50		U
74-83-9	Bromomethane	250		U
75-00-3	Chloroethane	50		U
75-69-4	Trichlorofluoromethane	50		U
107-02-8	Acrolein	200		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	50		U
75-35-4	1,1-Dichloroethene	50		U
67-64-1	Acetone	500		U
75-15-0	Carbon disulfide	50		U
75-09-2	Methylene chloride	50		U
75-65-0	tert-Butyl Alcohol	500		U
156-60-5	trans-1,2-Dichloroethene	50		U
1634-04-4	Methyl-tert butyl ether	50		U
107-13-1	Acrylonitrile	50		U
75-34-3	1,1-Dichloroethane	50		U
108-05-4	Vinyl acetate	50		U
594-20-7	2,2-Dichloropropane	50		U
156-59-2	cis-1,2-Dichloroethene	50		U
78-93-3	2-Butanone	100		U
74-97-5	Bromochloromethane	50		U
67-66-3	Chloroform	50		U
71-55-6	1,1,1-Trichloroethane	50		U
56-23-1	Carbon tetrachloride	50		U
563-58-6	1,1-Dichloropropene	50		U
71-43-2	Benzene	25	3800	
107-06-2	1,2-Dichloroethane	50		U
79-01-6	Trichloroethene	50		U
78-87-5	1,2-Dichloropropane	50		U
74-95-3	Dibromomethene	50		U
75-27-4	Bromodichloromethane	50		U
110-75-8	2-Chloroethyl vinyl ether	100		U
10061-01-5	cis-1,3-Dichloropropene	50		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Customer Sample#: SESI-01

Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010801610-0001	Project:	
Lab File ID:	T3082.D	Sample Matrix:	Waste Water
Instrument ID:	VOA MSD-T	Sampling Date:	4/4/2008
Analyst:	AF	Analysis Date	4/7/2008 22:46:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	LOW
Sample wt/vol:	0.100 ML	Nominal Amount:	5 ML
Dilution Factor:	1	Method:	SW846 8260B
Heated Purge (Y/N):	N		

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
108-10-1	4-Methyl-2-pentanone	100		U
108-88-3	Toluene	50	4100	
10061-02-6	trans-1,3-Dichloropropene	50		U
79-00-5	1,1,2-Trichloroethane	50		U
127-18-4	Tetrachloroethene	50		U
142-28-9	1,3-Dichloropropane	50		U
591-78-6	2-Hexanone	100		U
124-48-1	Dibromochloromethane	50		U
106-93-4	1,2-Dibromoethane	50		U
108-90-7	Chlorobenzene	50		U
630-20-6	1,1,1,2-Tetrachloroethane	50		U
100-41-4	Ethylbenzene	50	1900	
108-38-3	Xylene (para & meta)	50	1400	
95-47-6	Xylene (Ortho)	50	650	
100-42-5	Styrene	50	230	
75-25-2	Bromoform	50		U
98-82-8	Isopropylbenzene	50		U
108-86-1	Bromobenzene	50		U
79-34-5	1,1,2,2-Tetrachloroethane	50		U
96-18-4	1,2,3-Trichloropropane	50		U
103-65-1	n-Propylbenzene	50		U
110-57-6	trans-1,4-Dichloro-2-butene	100		U
95-49-8	2-Chlorotoluene	50		U
106-43-4	4-Chlorotoluene	50		U
108-67-8	1,3,5-Trimethylbenzene	50	76	
98-06-6	tert-Butylbenzene	50		U
95-63-6	1,2,4-Trimethylbenzene	50	310	
135-98-8	sec-Butylbenzene	50		U
541-73-1	1,3-Dichlorobenzene	50		U
99-87-6	4-Isopropyltoluene	50		U
106-46-7	1,4-Dichlorobenzene	50		U
95-50-1	1,2-Dichlorobenzene	50		U
104-51-8	n-Butylbenzene	50		U
96-12-8	1,2-Dibromo-3-chloropropane	50		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SESI-01
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010801610-0001	Project:	
Lab File ID:	T3082.D	Sample Matrix:	Waste Water
Instrument ID:	VOA MSD-T	Sampling Date:	4/4/2008
Analyst:	AF	Analysis Date	4/7/2008 22:48:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	LOW
Sample wt/vol:	0.100 ML	Nominal Amount:	5 ML
Dilution Factor:	1	Method:	SW846 8260B
Heated Purge (Y/N):	N		

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
120-82-1	1,2,4-Trichlorobenzene	60		U
87-68-3	Hexachlorobutadiene	50		U
91-20-3	Naphthalene	500	11000	D1
87-61-6	1,2,3-Trichlorobenzene	50		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution
D1 = T3116.D (Analysis Time: 04/09/08 16:32:00 , Dil. Factor= 500.0)

EMSL Analytical Inc.

PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

Customer Sample#: SESI-01

Lab Name:	EMSL Analytical		
EMSL Sample ID:	010801610-0001	Project:	
Lab File ID:	D1260.D	Sample Matrix:	Waste Water
Instrument ID:	D	Sampling Date:	4/4/08
Analyst:	TL	Date Extracted:	4/9/08
GC Column:	CLPest I (0.32 mm)	Analysis Date	4/11/08 09:49:00 PM
GC Column 2:	CLPest II (0.32 mm)	Sample wt/vol:	650 ML
% Moisture:		Dilution Factor:	1
PH:		Concentrated Extract Vol:	10 (mL)
GPC Cleanup(Y/N):	N	Injection Volume:	1 (ul)
Extraction Type:	3510C	Sulfur Cleanup:	N
Method:	SW846 8081/8082		

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
319-84-6	alpha-BHC	0.077	0.090	
58-89-9	gamma-BHC	0.077		U
319-85-7	beta-BHC	0.077		U
319-86-8	delta-BHC	0.077		U
76-44-8	Heptachlor	0.077		U
309-00-2	Aldrin	0.077		U
1024-57-3	Heptachlor Epoxide	0.077		U
5103-74-2	gamma-Chlordane	0.077		U
5103-71-9	alpha-Chlordane	0.077		U
72-55-9	4,4'-DDE	0.077		U
959-98-8	Endosulfan I	0.077		U
60-57-1	Dieldrin	0.077		U
72-20-8	Endrin	0.077		U
72-54-8	4,4'-DDD	0.077	0.16	
33213-65-9	Endosulfan II	0.077		U
50-29-3	4,4'-DDT	0.077		U
7421-93-4	Endrin Aldehyde	0.077		U
1031-07-8	Endosulfan Sulfate	0.077		U
72-43-5	Methoxychlor	0.15		U
53494-70-5	Endrin Ketone	0.077		U
8001-35-2	Toxaphene	0.77		U
57-74-9	Tech Chlordane	0.77		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
D = Dilution
P = Results between the two columns differ >100%

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

Customer Sample#: SESI-02

Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010801810-0002	Project:	
Lab File ID:	T3083.D	Sample Matrix:	Waste Water
Instrument ID:	VOA MSD-T	Sampling Date:	4/4/2008
Analyst:	AF	Analysis Date	4/7/2008 23:28:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	LOW
Sample wt/vol:	0.005 ML	Nominal Amount:	5 ML
Dilution Factor:	1	Method:	SW846 8260B
Heated Purge (Y/N):	N		

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
75-71-8	Dichlorodifluoromethane	1000		U
74-87-3	Chloromethane	1000		U
75-01-4	Vinyl chloride	1000		U
74-83-9	Bromomethane	5000		U
75-00-3	Chloroethane	1000		U
75-69-4	Trichlorofluoromethane	1000		U
107-02-8	Acrolein	4000		U
76-13-1	Freon 113(1,1,2-Trichlorotrifluoroethan	1000		U
75-35-4	1,1-Dichloroethene	1000		U
67-64-1	Acetone	10000		U
75-15-0	Carbon disulfide	1000		U
75-09-2	Methylene chloride	1000		U
75-65-0	tert-Butyl Alcohol	10000		U
156-60-5	trans-1,2-Dichloroethene	1000		U
1634-04-4	Methyl-tert butyl ether	1000		U
107-13-1	Acrylonitrile	1000		U
75-34-3	1,1-Dichloroethane	1000		U
108-05-4	Vinyl acetate	1000		U
594-20-7	2,2-Dichloropropane	1000		U
156-59-2	cis-1,2-Dichloroethene	1000		U
78-93-3	2-Butanone	2000		U
74-97-5	Bromochloromethane	1000		U
67-66-3	Chloroform	1000		U
71-55-6	1,1,1-Trichloroethane	1000		U
56-23-1	Carbon tetrachloride	1000		U
563-58-6	1,1-Dichloropropene	1000		U
71-43-2	Benzene	800	11000	
107-06-2	1,2-Dichloroethane	1000		U
79-01-6	Trichloroethene	1000	4200	
78-87-5	1,2-Dichloropropane	1000		U
74-95-3	Dibromomethane	1000		U
75-27-4	Bromodichloromethane	1000		U
110-75-8	2-Chloroethyl vinyl ether	2000		U
10061-01-5	cis-1,3-Dichloropropene	1000		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SESI-02
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010801610-0002	Project:	
Lab File ID:	T3083.D	Sample Matrix:	Waste Water
Instrument ID:	VOA MSD-T	Sampling Date:	4/4/2008
Analyst:	AF	Analysis Date	4/7/2008 23:26:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	LOW
Sample wt/vol:	0.005 ML	Nominal Amount:	5 ML
Dilution Factor:	1	Method:	SW846 8260B
Heated Purge (Y/N):	N		

CAS NO	COMPOUND	Report Limit (ug/L)	CONC. (ug/L)	Q
108-10-1	4-Methyl-2-pentanone	2000		U
108-88-3	Toluene	1000	12000	
10061-02-6	trans-1,3-Dichloropropene	1000		U
79-00-5	1,1,2-Trichloroethane	1000		U
127-18-4	Tetrachloroethene	1000		U
142-28-9	1,3-Dichloropropane	1000		U
591-78-6	2-Hexanone	2000		U
124-48-1	Dibromochloromethane	1000		U
106-93-4	1,2-Dibromoethane	1000		U
108-90-7	Chlorobenzene	1000		U
630-20-6	1,1,1,2-Tetrachloroethane	1000		U
100-41-4	Ethylbenzene	1000	3600	
108-38-3	Xylene (para & meta)	1000	3000	
95-47-6	Xylene (Ortho)	1000	1400	
100-42-5	Styrene	1000	2000	
75-25-2	Bromoform	1000		U
98-82-8	Isopropylbenzene	1000		U
108-86-1	Bromobenzene	1000		U
79-34-5	1,1,2,2-Tetrachloroethane	1000		U
96-18-4	1,2,3-Trichloropropane	1000		U
103-65-1	n-Propylbenzene	1000		U
110-57-6	trans-1,4-Dichloro-2-butene	2000		U
95-49-8	2-Chlorotoluene	1000		U
106-43-4	4-Chlorotoluene	1000		U
108-67-8	1,3,5-Trimethylbenzene	1000		U
98-06-6	tert-Butylbenzene	1000		U
95-63-6	1,2,4-Trimethylbenzene	1000		U
135-98-8	sec-Butylbenzene	1000		U
541-73-1	1,3-Dichlorobenzene	1000		U
99-87-6	4-Isopropyltoluene	1000		U
106-46-7	1,4-Dichlorobenzene	1000		U
95-50-1	1,2-Dichlorobenzene	1000		U
104-51-8	n-Butylbenzene	1000		U
96-12-8	1,2-Dibromo-3-chloropropane	1000		U

EMSL Analytical Inc.

VOLATILE ORGANICS ANALYSIS DATA SHEET

		Customer Sample#:	SESI-02
Lab Name:	EMSL ANALYTICAL		
EMSL Sample ID:	010801610-0002	Project:	
Lab File ID:	T3083.D	Sample Matrix:	Waste Water
Instrument ID:	VOA MSD-T	Sampling Date:	4/4/2008
Analyst:	AF	Analysis Date	4/7/2008 23:28:00
GC Column:	RTX-502.2 (0.25 mm)	Level (low/med):	LOW
Sample wt/vol:	0.005 ML	Nominal Amount:	5 ML
Dilution Factor:	1	Method:	SW846 8260B
Heated Purge (Y/N):	N		

CAS NO	COMPOUND	Report Limit (µg/L)	CONC. (µg/L)	Q
120-82-1	1,2,4-Trichlorobenzene	1000		U
87-68-3	Hexachlorobutadiene	1000		U
91-20-3	Naphthalene	1000	28000	
87-61-6	1,2,3-Trichlorobenzene	1000		U

Qualifier Definitions
U = Undetected
B = Compound detected in method blank
E = Estimated value
J = Estimated concentration.
D = Dilution

EMSL Analytical, Inc.
Chemistry Lab
3 Cooper St., Westmont, NJ 08108
TEL: (856) 858-4800 FAX: (856) 858-4571

Chain of Custody / Analysis Request

Print ALL Information. Pult N/A in blanks not applicable

Account Rep:
Indicate State where samples collected: NY

REPORT RESULTS TO:	SEND INVOICE TO:	TURNAROUND TIME:
Name: DISPOSAL CONSULTANT SERVICES, INC	Name: PO#:	Date Results needed by:
Company: 50 HOWARD STREET PISCATAWAY, NJ 08854	Company: DISPOSAL CONSULTANT SERVICES, INC 50 HOWARD STREET PISCATAWAY, NJ 08854	Standard Turnaround time is 10 working days ☐
Address:	Address:	1 week turn around
		The following turnaround times require lab approval:
City:	City	☐ 4-5 days ☐ 72 Hrs. ☐ 48 Hrs
State: ZIP	State NJ ZIP	☐ 24 Hrs. Approved by:
TEL: FAX:	TEL: FAX:	
Sampled by: (Signature)	# of Samples in Shipment:	Date of Sample Shipment:

2008 APR -7 P 8:48 WESTMONT, N.J.

Failure to complete shaded areas will hinder processing of samples

	Sample Number	Station Location/ Sample ID	COMP	GRAB	MATRIX: WATER	SOIL	AIR	SLUDGE	OTHER	Method Preserved: HCL	HNO3	H2SO4	ICE	OTHER	Sampling: DATE	TIME	List Test Needed: Asbestos	VOC	RCRA Characteristics
1.	(1)	SESI-01 (6 sample jars)	X		X										4/4	1:30p	X	X	X
2.	(2)	SESI-02 (3 sample jars)	X		X													X	
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

2008 APR -4 PM 6:55 WESTMONT, N.J.

Released by Signature	Date & Time Released	Delivery Method	Received by Signature	Agency	Date & Time Received	Condition Noted:
	4/4/08 5:00p			EMSL	4/4/08	14°C Rec. 4/4/08
				EMSL	4/7/08	4°C blue ice
						SIGNIFICANT HEAD SPACE IN ALL VIALS

Comments: Spoke w/ Bill Chamberlain about Samples

Please indicate reporting requirements: ☐ 1. Results Only ☐ 2. Results and QC ☐ 3. Reduced Deliverables ☐ 4. Disk Deliverables

APR-15-2008 TUE 02:23 PM DSI INC FAX No. 7324240021 P.014

New Jersey ACCUTEST LABORATORIES

11/15/11



Technical Report for

Arcadis

Con Edison, Water Street, Ossining, NY

B0043025.1.1

Accutest Job Number: JA90563

Sampling Date: 10/28/11

Report to:

Arcadis
4310 Technology Drive Suite A
South Bend, IN 46628
coley.campbell@arcadis-us.com

ATTN: Coley Campbell

Total number of pages in report: **17**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

David N. Speis
VP, Laboratory Director

Client Service contact: Kristin Beebe 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, DE, FL, IL, IN, KS, KY, LA, MA, MD, MI, MT, NC, PA, RI, SC, TN, VA, WV

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Sample Summary

Arcadis

Job No: JA90563

Con Edison, Water Street, Ossining, NY
Project No: B0043025.1.1

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
JA90563-1	10/28/11	13:00	CC	10/28/11	AQ	Ground Water	WC-01 (10282011)

Sample Results

Report of Analysis

Accutest Laboratories

Report of Analysis

Client Sample ID: WC-01 (10282011)
Lab Sample ID: JA90563-1
Matrix: AQ - Ground Water
Method: SW846 8260B SW846 1311
Project: Con Edison, Water Street, Ossining, NY

Date Sampled: 10/28/11
Date Received: 10/28/11
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L243994.D	5	11/03/11	TLR	11/02/11	GP61382	VL6146
Run #2	L244049.D	50	11/07/11	TLR	11/02/11	GP61382	VL6148

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
71-43-2	Benzene	1.94 [a]	D018	0.50	0.050	0.012	mg/l	
78-93-3	2-Butanone (MEK)	ND	D035	200	0.10	0.0081	mg/l	
56-23-5	Carbon tetrachloride	ND	D019	0.50	0.0050	0.0013	mg/l	
108-90-7	Chlorobenzene	ND	D021	100	0.0050	0.0019	mg/l	
67-66-3	Chloroform	ND	D022	6.0	0.0050	0.0012	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.0050	0.0014	mg/l	
107-06-2	1,2-Dichloroethane	ND	D028	0.50	0.0050	0.0017	mg/l	
75-35-4	1,1-Dichloroethene	ND	D029	0.70	0.0050	0.0020	mg/l	
127-18-4	Tetrachloroethene	ND	D039	0.70	0.0050	0.0013	mg/l	
79-01-6	Trichloroethene	ND	D040	0.50	0.0050	0.0012	mg/l	
75-01-4	Vinyl chloride	ND	D043	0.20	0.025	0.0022	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	86%	105%	76-120%
17060-07-0	1,2-Dichloroethane-D4	104%	101%	64-135%
2037-26-5	Toluene-D8	98%	100%	76-117%
460-00-4	4-Bromofluorobenzene	98%	101%	72-122%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WC-01 (10282011)
Lab Sample ID: JA90563-1
Matrix: AQ - Ground Water
Method: SW846 8270D SW846 3510C
Project: Con Edison, Water Street, Ossining, NY

Date Sampled: 10/28/11
Date Received: 10/28/11
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	P60227.D	1	11/10/11	NAP	11/08/11	OP52955	EP2604
Run #2							

	Initial Volume	Final Volume
Run #1	100 ml	1.0 ml
Run #2		

ABN TCLP Leachate **TCLP Leachate method SW846 1311**

CAS No.	Compound	Result	HW#	MCL	RL	MDL	Units	Q
95-48-7	2-Methylphenol	ND	D023	200	0.020	0.010	mg/l	
	3&4-Methylphenol	ND	D024	200	0.020	0.0093	mg/l	
87-86-5	Pentachlorophenol	ND	D037	100	0.10	0.014	mg/l	
95-95-4	2,4,5-Trichlorophenol	ND	D041	400	0.050	0.016	mg/l	
88-06-2	2,4,6-Trichlorophenol	ND	D042	2.0	0.050	0.013	mg/l	
106-46-7	1,4-Dichlorobenzene	ND	D027	7.5	0.020	0.0036	mg/l	
121-14-2	2,4-Dinitrotoluene	ND	D030	0.13	0.020	0.0043	mg/l	
118-74-1	Hexachlorobenzene	ND	D032	0.13	0.020	0.0034	mg/l	
87-68-3	Hexachlorobutadiene	ND	D033	0.50	0.010	0.0051	mg/l	
67-72-1	Hexachloroethane	ND	D034	3.0	0.050	0.0055	mg/l	
98-95-3	Nitrobenzene	ND	D036	2.0	0.020	0.0042	mg/l	
110-86-1	Pyridine	ND	D038	5.0	0.020	0.0032	mg/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	19%		13-68%
4165-62-2	Phenol-d5	17%		10-49%
118-79-6	2,4,6-Tribromophenol	82%		37-130%
4165-60-0	Nitrobenzene-d5	83%		25-112%
321-60-8	2-Fluorobiphenyl	86%		31-106%
1718-51-0	Terphenyl-d14	99%		14-122%

ND = Not detected MDL - Method Detection Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WC-01 (10282011)
Lab Sample ID: JA90563-1
Matrix: AQ - Ground Water
Method: SW846 8082A SW846 3510C
Project: Con Edison, Water Street, Ossining, NY

Date Sampled: 10/28/11
Date Received: 10/28/11
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	2G60221.D	1	11/02/11	AZ	11/01/11	OP52822	G2G2211
Run #2							

	Initial Volume	Final Volume
Run #1	500 ml	10.0 ml
Run #2		

PCB List

CAS No.	Compound	Result	RL	MDL	Units	Q
12674-11-2	Aroclor 1016	ND	1.0	0.26	ug/l	
11104-28-2	Aroclor 1221	ND	1.0	0.54	ug/l	
11141-16-5	Aroclor 1232	ND	1.0	0.77	ug/l	
53469-21-9	Aroclor 1242	ND	1.0	0.17	ug/l	
12672-29-6	Aroclor 1248	ND	1.0	0.29	ug/l	
11097-69-1	Aroclor 1254	ND	1.0	0.28	ug/l	
11096-82-5	Aroclor 1260	ND	1.0	0.42	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
877-09-8	Tetrachloro-m-xylene	52%		27-144%
877-09-8	Tetrachloro-m-xylene	72%		27-144%
2051-24-3	Decachlorobiphenyl	31%		10-139%
2051-24-3	Decachlorobiphenyl	89%		10-139%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest Laboratories

Report of Analysis

Client Sample ID: WC-01 (10282011)
Lab Sample ID: JA90563-1
Matrix: AQ - Ground Water
Project: Con Edison, Water Street, Ossining, NY

Date Sampled: 10/28/11
Date Received: 10/28/11
Percent Solids: n/a

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Arsenic	< 0.50	D004	5.0	0.50	mg/l	1	11/08/11	11/09/11	ND	SW846 6010C [2]	SW846 3010A [3]
Barium	< 1.0	D005	100	1.0	mg/l	1	11/08/11	11/09/11	ND	SW846 6010C [2]	SW846 3010A [3]
Cadmium	< 0.0050	D006	1.0	0.0050	mg/l	1	11/08/11	11/09/11	ND	SW846 6010C [2]	SW846 3010A [3]
Chromium	< 0.010	D007	5.0	0.010	mg/l	1	11/08/11	11/09/11	ND	SW846 6010C [2]	SW846 3010A [3]
Lead	< 0.50	D008	5.0	0.50	mg/l	1	11/08/11	11/09/11	ND	SW846 6010C [2]	SW846 3010A [3]
Mercury	< 0.00020	D009	0.20	0.00020	mg/l	1	11/08/11	11/08/11	VK	SW846 7470A [1]	SW846 7470A [4]
Selenium	< 0.50	D010	1.0	0.50	mg/l	1	11/08/11	11/09/11	ND	SW846 6010C [2]	SW846 3010A [3]
Silver	< 0.010	D011	5.0	0.010	mg/l	1	11/08/11	11/09/11	ND	SW846 6010C [2]	SW846 3010A [3]

(1) Instrument QC Batch: MA27404
(2) Instrument QC Batch: MA27408
(3) Prep QC Batch: MP61170
(4) Prep QC Batch: MP61176

RL = Reporting Limit
MCL = Maximum Contamination Level (40 CFR 261 6/96)

Accutest Laboratories

Report of Analysis

Client Sample ID:	WC-01 (10282011)		
Lab Sample ID:	JA90563-1	**Date Sampled:**	10/28/11
Matrix:	AQ - Ground Water	**Date Received:**	10/28/11
		Percent Solids:	n/a
Project:	Con Edison, Water Street, Ossining, NY		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Corrosivity as pH	7.68 NC		su	1	11/10/11 07:10	LMM	SW846 CHAP7
Cyanide Reactivity	< 10	10	mg/l	1	11/08/11 13:50	PB	SW846 CHAP7/9012B
Ignitability (Flashpoint)	> 200		Deg. F	1	11/10/11	LMM	SW846 1010A/ASTM D93
Sulfide Reactivity	< 100	100	mg/l	1	11/08/11	ST	SW846 CHAP7/9034

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST LABORATORIES

CHAIN OF CUSTODY

2235 Route 130, Dayton, NJ 08810
Tel: 732-329-0200 FAX: 732-329-3499/3480
www.acutest.com

PAGE 1 OF 1

FED-EX Tracking #: | Bottle Order Control #:
Accutest Quote #: | Accutest Job #: JA90563

Client / Reporting Information

Company Name: Arcadis
Street Address: 17-17 Route 208 N
City: Fair Lawn State: NJ Zip:
Project Contact: Celey Campbell E-mail: Celey.Campbell@arcadis-us.com
Phone #: 518-860-7032 Fax #:
Sampler(s) Name(s): Chris Laprus Phone #:

Project Information

Project Name: Con Edison Ossining
Street: Water St
City: Ossining State: NY
Project #: 80043025.0.1
Client Purchase Order #:
Project Manager: Celey Campbell

Billing Information (if different from Report to)

Company Name:
Street Address:
City: State: Zip:
Attention:

Requested Analysis (see TEST CODE sheet)

Accutest Sample #	Field ID / Point of Collection	MEOH/DI Vial #	Collection Date	Collection Time	Sampled by	Matrix	# of bottles	Number of preserved Bottles: HCl	NaOH	HNO3	H2SO4	NONE	DI Water	MEOH	ENCORE	TCLPV	TCLPM	ABN	RCRACLAS	PCB	LAB USE ONLY
-1	WC-01 (10 28 2011)		10/28/11	1300	CL	GW	8					8				X	X	X	X	X	
																					USI2
																					15A8

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
SED-Sediment
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe
FB-Field Blank
EB-Equipment Blank
RB- Rinse Blank
TB-Trip Blank

Turnaround Time (Business days)

- [X] Std. 15 Business Days
- [ ] Std. 10 Business Days (by Contract only)
- [ ] 10 Day *RUSH*
- [ ] 5 Day *RUSH*
- [ ] 3 Day *EMERGENCY*
- [ ] 2 Day *EMERGENCY*
- [ ] 1 Day *EMERGENCY*

Emergency & Rush T/A data available VIA Labtink

Approved By (Accutest PM): / Date:

Data Deliverable Information

- [ ] Commercial "A" (Level 1)
- [ ] Commercial "B" (Level 2)
- [ ] FULLT1 (Level 3+4)
- [ ] NJ Reduced
- [ ] Commercial "C"
- [ ] NYASP Category A
- [ ] NYASP Category B
- [ ] State Forms
- [ ] EDD Format
- [ ] Other

Commercial "A" = Results Only
Commercial "B" = Results + QC Summary
NJ Reduced = Results + QC Summary + Partial Raw data

Comments / Special Instructions

Trace Probl 10/29/11

Sample Custody must be documented below each time samples change possession, including courier delivery.

	Relinquished by Sampler:	Date Time:	Received By:
1		10/28/11 1500	1 Kelly Temp 15.3@ 10/29/11
2	Relinquished By: Kelly Temp	10/29/11 1720	Received By: 2
3	Relinquished by Sampler:	Date Time:	Received By: 3
4	Relinquished By:	Date Time:	Received By: 4
5	Relinquished by:	Date Time:	Received By: 5

Custody Seal # 696 [X] Intact [ ] Not intact | Preserved where applicable [ ] | On Ice [X] | Cooler Temp: 5.0C

H 1 Cooler EC G.P.

JA90563: Chain of Custody
Page 1 of 3

Accutest Laboratories Sample Receipt Summary

Accutest Job Number JA90563 **Client:**

Date / Time Received: 10/28/2011 **Project:**

No. Coolers: 1 **Airbill #'s:** **Delivery Method:**

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☑		☐
2. Cooler temp verification:	IR Gun		
3. Cooler media:	Ice (Bag)		

Quality Control Preservatio	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☑	☐
2. Trip Blank listed on COC:	☐		☑	☐
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Comments

Accutest Laboratories
V:732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www/accutest.com

JA90563: Chain of Custody
Page 2 of 3

Job Change Order: JA90563_11/4/2011

Requested Date:	11/4/2011	**Received Date:**	10/28/2011
Account Name:	Arcadis	**Due Date:**	11/18/2011
Project	Con Edison, Water Street, Ossining, NY	**Deliverable:**	NYASPA
CSR:	KB	**TAT (Days):**	14

Sample #: JA90563-1

Change: Please revise to a 14 day TAT, with due date of 11/11

WC-01 (10282011)

Above Changes Per: Diane Komar **Date:** 11/4/2011

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service

Page 1 of 1

JA90563: Chain of Custody
Page 3 of 3

Internal Sample Tracking Chronicle

Arcadis

Job No: JA90563

Con Edison, Water Street, Ossining, NY
Project No: B0043025.1.1

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JA90563-1	Collected: 28-OCT-11 13:00 By: CC			Received: 28-OCT-11 By: TH		
WC-01 (10282011)						
JA90563-1	SW846 8082A	02-NOV-11 10:54	AZ	01-NOV-11	JH	P8082PCB
JA90563-1	SW846 8260B	03-NOV-11 12:18	TLR	02-NOV-11	MP	V8260TCLP
JA90563-1	SW846 8260B	07-NOV-11 18:43	TLR	02-NOV-11	MP	V8260TCLP
JA90563-1	SW846 CHAP7/9034	08-NOV-11	ST	07-NOV-11	MW	SREAC
JA90563-1	SW846 CHAP7/9012B	08-NOV-11 13:50	PB	07-NOV-11	MW	CREAC
JA90563-1	SW846 7470A	08-NOV-11 17:07	VK	08-NOV-11	VK	EHG
JA90563-1	SW846 6010C	09-NOV-11 23:14	ND	08-NOV-11	RP	EAG,EAS,EBA,ECD,ECR,EPB,ESE
JA90563-1	SW846 1010A/ASTM D93	03-NOV-11	LMM			IGN
JA90563-1	SW846 CHAP7	10-NOV-11 07:10	LMM			CORR
JA90563-1	SW846 8270D	10-NOV-11 20:59	NAP	08-NOV-11	TM	AB8270TCLP

Accutest Internal Chain of Custody

Job Number: JA90563
Account: AGMNJM Arcadis
Project: Con Edison, Water Street, Ossining, NY
Received: 10/28/11

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA90563-1.1	Secured Storage	Justin Hunkele	11/01/11 15:32	Retrieve from Storage
JA90563-1.1	Justin Hunkele		11/01/11 23:39	Depleted
JA90563-1.1.1	Justin Hunkele	Organics Prep	11/01/11 15:37	Extract from JA90563-1.1
JA90563-1.1.1	Organics Prep	Justin Hunkele	11/01/11 23:43	Extract from JA90563-1.1
JA90563-1.1.1	Justin Hunkele	Extract Storage	11/01/11 23:43	Return to Storage
JA90563-1.1.1	Extract Storage	Anna Zuk	11/02/11 10:27	Retrieve from Storage
JA90563-1.1.1	Anna Zuk	GC2G	11/02/11 10:27	Load on Instrument
JA90563-1.1.1	GC2G	Anna Zuk	11/03/11 17:05	Unload from Instrument
JA90563-1.1.1	Anna Zuk	Extract Freezer	11/03/11 17:05	Return to Storage
JA90563-1.2	Secured Storage	Justin Hunkele	11/01/11 15:32	Retrieve from Storage
JA90563-1.2	Justin Hunkele	Secured Storage	11/01/11 23:39	Return to Storage
JA90563-1.2	Secured Storage	Mayur Patel	11/07/11 14:43	Retrieve from Storage
JA90563-1.2	Mayur Patel		11/07/11 18:43	Depleted
JA90563-1.2.1	Justin Hunkele	Organics Prep	11/01/11 15:37	Extract from JA90563-1.2
JA90563-1.2.1	Organics Prep	Justin Hunkele	11/01/11 23:43	Extract from JA90563-1.2
JA90563-1.2.1	Justin Hunkele	Extract Storage	11/01/11 23:43	Return to Storage
JA90563-1.2.1	Extract Storage	Anna Zuk	11/02/11 10:27	Retrieve from Storage
JA90563-1.2.1	Anna Zuk	GC2G	11/02/11 10:27	Load on Instrument
JA90563-1.2.1	GC2G	Anna Zuk	11/03/11 17:05	Unload from Instrument
JA90563-1.2.1	Anna Zuk	Extract Freezer	11/03/11 17:05	Return to Storage
JA90563-1.2.2	Mayur Patel	TCLP	11/07/11 17:38	Leachate from JA90563-1.2
JA90563-1.2.2	TCLP	Mayur Patel	11/07/11 18:40	Leachate from JA90563-1.2
JA90563-1.2.2	Mayur Patel	Secured Storage	11/07/11 18:43	Return to Storage
JA90563-1.2.2	Secured Storage	Vidya Krishnan	11/08/11 11:27	Retrieve from Storage
JA90563-1.2.2	Vidya Krishnan	Secured Storage	11/08/11 16:05	Return to Storage
JA90563-1.2.2	Secured Storage	Rinku Patel	11/08/11 17:49	Retrieve from Storage
JA90563-1.2.2	Rinku Patel	Secured Storage	11/08/11 17:53	Return to Storage
JA90563-1.2.3	Rinku Patel	Metals Digestion	11/08/11 17:50	Digestate from JA90563-1.2.2
JA90563-1.2.3	Metals Digestion	Rinku Patel	11/08/11 17:50	Digestate from JA90563-1.2.2
JA90563-1.2.3	Rinku Patel	Metals Digestate Storage	11/08/11 17:50	Return to Storage
JA90563-1.4	Secured Storage	Terrell McQueen	11/01/11 15:34	Retrieve from Storage
JA90563-1.4	Terrell McQueen	Secured Storage	11/02/11 00:48	Return to Storage
JA90563-1.4.1	Terrell McQueen	Organics Prep	11/01/11 15:34	Extract from JA90563-1.4
JA90563-1.4.1	Organics Prep	Terrell McQueen	11/02/11 00:33	Extract from JA90563-1.4
JA90563-1.4.1	Terrell McQueen	Extract Storage	11/02/11 00:33	Return to Storage
JA90563-1.4.1	Extract Storage	Nina Pandya	11/10/11 08:11	Retrieve from Storage
JA90563-1.4.1	Nina Pandya	GCMS4M	11/10/11 08:12	Load on Instrument

Accutest Internal Chain of Custody

Job Number: JA90563
Account: AGMNJM Arcadis
Project: Con Edison, Water Street, Ossining, NY
Received: 10/28/11

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA90563-1.4.1	GCMS4M	Nina Pandya	11/11/11 10:10	Unload from Instrument
JA90563-1.4.1	Nina Pandya	Extract Freezer	11/11/11 10:10	Return to Storage
JA90563-1.5	Secured Storage	Karan Wadhwani	11/03/11 12:53	Retrieve from Storage
JA90563-1.5	Karan Wadhwani	Mayur Patel	11/03/11 12:55	Custody Transfer
JA90563-1.5	Mayur Patel	Secured Storage	11/03/11 18:00	Return to Storage
JA90563-1.5	Secured Storage	John Thomas	11/04/11 09:09	Retrieve from Storage
JA90563-1.5	John Thomas	Mayur Patel	11/04/11 09:10	Custody Transfer
JA90563-1.5	Mayur Patel	Secured Storage	11/04/11 18:01	Return to Storage
JA90563-1.5	Secured Storage	John Thomas	11/07/11 10:04	Retrieve from Storage
JA90563-1.5	John Thomas	Mayur Patel	11/07/11 10:05	Custody Transfer
JA90563-1.5	Mayur Patel	Secured Storage	11/07/11 18:43	Return to Storage
JA90563-1.5.1	Mayur Patel	TCLP	11/03/11 17:59	Leachate from JA90563-1.5
JA90563-1.5.1	TCLP	Mayur Patel	11/04/11 07:58	Leachate from JA90563-1.5
JA90563-1.5.1	Mayur Patel	Secured Storage	11/04/11 08:27	Return to Storage
JA90563-1.5.2	Mayur Patel	TCLP	11/04/11 17:58	Leachate from JA90563-1.5
JA90563-1.5.2	TCLP	Mayur Patel	11/05/11 08:57	Leachate from JA90563-1.5
JA90563-1.5.2	Mayur Patel	Secured Storage	11/05/11 09:14	Return to Storage
JA90563-1.5.3	Mayur Patel	TCLP	11/07/11 17:38	Leachate from JA90563-1.5
JA90563-1.5.3	TCLP	Mayur Patel	11/07/11 18:40	Leachate from JA90563-1.5
JA90563-1.5.3	Mayur Patel	Secured Storage	11/07/11 18:43	Return to Storage
JA90563-1.5.3	Secured Storage	Justin Hunkele	11/08/11 15:20	Retrieve from Storage
JA90563-1.5.3	Justin Hunkele	Secured Storage	11/09/11 12:51	Return to Storage
JA90563-1.5.4	Justin Hunkele	Organics Prep	11/08/11 15:20	Extract from JA90563-1.5.3
JA90563-1.5.4	Organics Prep	Terrell McQueen	11/08/11 23:47	Extract from JA90563-1.5.3
JA90563-1.5.4	Terrell McQueen	Extract Storage	11/08/11 23:47	Return to Storage
JA90563-1.5.4	Extract Storage	Nina Pandya	11/10/11 12:26	Retrieve from Storage
JA90563-1.5.4	Nina Pandya	GCMSP	11/10/11 12:26	Load on Instrument
JA90563-1.5.4	GCMSP	Nina Pandya	11/11/11 13:05	Unload from Instrument
JA90563-1.5.4	Nina Pandya	Extract Freezer	11/11/11 13:05	Return to Storage
JA90563-1.6	Secured Storage	Karan Wadhwani	11/03/11 12:53	Retrieve from Storage
JA90563-1.6	Karan Wadhwani	Mayur Patel	11/03/11 12:55	Custody Transfer
JA90563-1.6	Mayur Patel	Secured Storage	11/03/11 18:00	Return to Storage
JA90563-1.6	Secured Storage	Millicent Walker	11/07/11 17:37	Retrieve from Storage
JA90563-1.6	Millicent Walker	Secured Storage	11/07/11 21:27	Return to Storage
JA90563-1.6	Secured Storage	Leonard MacLean	11/10/11 07:44	Retrieve from Storage
JA90563-1.6	Leonard MacLean	Secured Storage	11/10/11 12:50	Return to Storage
JA90563-1.6.1	Mayur Patel	TCLP	11/03/11 17:59	Leachate from JA90563-1.6

Accutest Internal Chain of Custody

Job Number: JA90563
Account: AGMNJM Arcadis
Project: Con Edison, Water Street, Ossining, NY
Received: 10/28/11

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JA90563-1.6.1	TCLP	Mayur Patel	11/04/11 07:58	Leachate from JA90563-1.6
JA90563-1.6.1	Mayur Patel	Secured Storage	11/04/11 08:27	Return to Storage
JA90563-1.7	Secured Storage	Todd Shoemaker	11/01/11 08:14	Retrieve from Storage
JA90563-1.7	Todd Shoemaker	Mayur Patel	11/01/11 08:16	Custody Transfer
JA90563-1.7	Mayur Patel	Secured Storage	11/01/11 16:24	Return to Storage
JA90563-1.7	Secured Storage	Todd Shoemaker	11/02/11 08:27	Retrieve from Storage
JA90563-1.7	Todd Shoemaker	Mayur Patel	11/02/11 08:32	Custody Transfer
JA90563-1.7	Mayur Patel		11/02/11 12:57	Depleted
JA90563-1.7.1	Mayur Patel	TCLP	11/02/11 12:50	Leachate from JA90563-1.7
JA90563-1.7.1	TCLP	Chris Brunson	11/03/11 08:19	Leachate from JA90563-1.7
JA90563-1.7.1	Chris Brunson	Secured Storage	11/03/11 10:36	Return to Storage
JA90563-1.8	Secured Storage	Todd Shoemaker	11/01/11 08:14	Retrieve from Storage
JA90563-1.8	Todd Shoemaker	Mayur Patel	11/01/11 08:16	Custody Transfer
JA90563-1.8	Mayur Patel	Secured Storage	11/01/11 16:24	Return to Storage
JA90563-1.8	Secured Storage	Todd Shoemaker	11/02/11 08:27	Retrieve from Storage
JA90563-1.8	Todd Shoemaker	Mayur Patel	11/02/11 08:32	Custody Transfer
JA90563-1.8	Mayur Patel		11/02/11 12:57	Depleted
JA90563-1.8.1	Mayur Patel	TCLP	11/02/11 12:50	Leachate from JA90563-1.8
JA90563-1.8.1	TCLP	Mayur Patel	11/02/11 12:55	Leachate from JA90563-1.8
JA90563-1.8.1	Mayur Patel	Secured Storage	11/02/11 15:03	Return to Storage
JA90563-1.8.1	Secured Storage	Tara Reddington	11/02/11 15:21	Retrieve from Storage
JA90563-1.8.1	Tara Reddington	Secured Storage	11/02/11 16:17	Return to Storage
JA90563-1.8.1	Secured Storage	Tara Reddington	11/07/11 12:06	Retrieve from Storage
JA90563-1.8.1	Tara Reddington	Secured Storage	11/07/11 17:11	Return to Storage

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING



ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Tel: (732)549-3900

TestAmerica Job ID: 460-148055-1
Client Project/Site: Ossining, NY Project CON EDISON

For:
ARCADIS U.S. Inc
One Lincoln Center
110 West Fayette St, Suite 300
Syracuse, New York 13202

Attn: Mr. Michael C Jones

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LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
E	Result exceeded calibration range.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
E	Result exceeded calibration range.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

General Chemistry

Qualifier	Qualifier Description
HF	Field parameter with a holding time of 15 minutes. Test performed by laboratory at client's request.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 460-148055-1

Laboratory: TestAmerica Edison

Narrative

Job Narrative
460-148055-1

Receipt
The samples were received on 1/8/2018 7:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.7° C.

GC/MS VOA
Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-395370 recovered above the upper control limit for Chloromethane. The samples associated with this CCV were non-detects for the affected analyte; therefore, the data have been reported. The following sample is impacted: RW-D (460-148055-1).

Method(s) 8260C: The continuing calibration verification (CCV) associated with batch 480-395370 recovered outside acceptance criteria, low biased, for 2-Hexanone and 4-Methyl-2-pentanone (MIBK). A reporting limit (RL) standard was analyzed, and the target analytes were detected. Since the associated samples were non-detect for these analytes, the data have been reported. The following sample is impacted: RW-D (460-148055-1).

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-D (460-148055-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-D (460-148055-1). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following sample was diluted due to the nature of the TCLP sample matrix: (LB 480-395779/1-A). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The following volatiles samples were diluted due to foaming at the time of purging during the original sample analysis: RW-D PPE (460-148055-2), (460-148055-D-2-B MS) and (460-148055-D-2-B MSD). Elevated reporting limits (RLs) are provided.

Method(s) 8260C: The continuing calibration verification (CCV) associated with analytical batch 480-395565 recovered above the upper control limit for the analytes Chloromethane and 1,1,2-Trichloro-1,2,2-trifluoroethane. The sample associated with this CCV were non-detect for the affected analytes; therefore, the data have been reported. The following sample is impacted: RW-D (460-148055-1).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC/MS Semi VOA
Method(s) 8270D: The following sample required a dilution due to the nature of the sample matrix: RW-D (460-148055-1). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-D (460-148055-1). Elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample was diluted due to the abundance of target analytes: RW-D (460-148055-1). As such, surrogate recoveries are below the calibration range or are not reported, and elevated reporting limits (RLs) are provided.

Method(s) 8270D: The following sample was diluted to bring the concentration of target analytes within the calibration range: RW-D (460-148055-1). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry

Job ID: 460-148055-1 (Continued)

Laboratory: TestAmerica Edison (Continued)

Method(s) 9040C, SM 4500 H+ B: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: RW-D (460-148055-1).

Method(s) 9045D: This analysis is normally performed in the field and has a method-defined holding time of 15 minutes. The following sample has been qualified with the "HF" flag to indicate analysis was performed in the laboratory outside the 15 minute timeframe: RW-D PPE (460-148055-2).

Method(s) 9045D: Due to the nature of the matrix, a smaller volume was used during analysis. According to the method, 20g of sample is necessary for the analysis. However, in this instance, 5g of sample was used: RW-D PPE (460-148055-2).

Method(s) 9045D: Due to the absorptive nature of the matrix, a larger amount of deionized was necessary to perform the analysis. According to the method, 20mL of deionized water is necessary for the analysis. However, in this instance, 40mL of sample was used: RW-D PPE (460-148055-2).

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep

Method(s) 3510C: Insufficient sample volume was available to perform a matrix spike/matrix spike duplicate/sample duplicate (MS/MSD/DUP) associated with preparation batch 480-395928.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Client Sample ID: RW-D — Lab Sample ID: 460-148055-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	36000	E	200	82	ug/L	200		8260C	Total/NA
Ethylbenzene	1500		200	150	ug/L	200		8260C	Total/NA
Styrene	3800		200	150	ug/L	200		8260C	Total/NA
Toluene	13000		200	100	ug/L	200		8260C	Total/NA
Xylenes, Total	3700		400	130	ug/L	200		8260C	Total/NA
Benzene - DL	36000		800	330	ug/L	800		8260C	Total/NA
Ethylbenzene - DL	1400		800	590	ug/L	800		8260C	Total/NA
Styrene - DL	3100		800	580	ug/L	800		8260C	Total/NA
Toluene - DL	12000		800	410	ug/L	800		8260C	Total/NA
Xylenes, Total - DL	3300		1600	530	ug/L	800		8260C	Total/NA
Biphenyl	53	J	100	13	ug/L	20		8270D	Total/NA
2-Methylnaphthalene	750		100	12	ug/L	20		8270D	Total/NA
2-Methylphenol	23	J	100	8.0	ug/L	20		8270D	Total/NA
4-Methylphenol	7.4	J	200	7.2	ug/L	20		8270D	Total/NA
Acenaphthene	20	J	100	8.2	ug/L	20		8270D	Total/NA
Acenaphthylene	460		100	7.6	ug/L	20		8270D	Total/NA
Acetophenone	14	J	100	11	ug/L	20		8270D	Total/NA
Anthracene	25	J	100	5.6	ug/L	20		8270D	Total/NA
Benzo(a)anthracene	8.4	J	100	7.2	ug/L	20		8270D	Total/NA
Carbazole	50	J	100	6.0	ug/L	20		8270D	Total/NA
Dibenzofuran	12	J	200	10	ug/L	20		8270D	Total/NA
Fluoranthene	20	J	100	8.0	ug/L	20		8270D	Total/NA
Fluorene	78	J	100	7.2	ug/L	20		8270D	Total/NA
Naphthalene	4200	E	100	15	ug/L	20		8270D	Total/NA
Phenanthrene	120		100	8.8	ug/L	20		8270D	Total/NA
Phenol	15	J	100	7.8	ug/L	20		8270D	Total/NA
Pyrene	30	J	100	6.8	ug/L	20		8270D	Total/NA
2-Methylnaphthalene - DL	720	J	2500	300	ug/L	500		8270D	Total/NA
Acenaphthylene - DL	410	J	2500	190	ug/L	500		8270D	Total/NA
Naphthalene - DL	8600		2500	380	ug/L	500		8270D	Total/NA
Barium	0.018		0.0020	0.00070	mg/L	1		6010C	Total/NA

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	7.83	HF	0.100	0.100	SU	1		9040C	Total/NA
Temperature	20.7	HF	0.00100	0.00100	Degrees C	1		9040C	Total/NA

Client Sample ID: RW-D PPE — Lab Sample ID: 460-148055-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzene	0.0095	J	0.020	0.0082	mg/L	20		8260C	TCLP

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Flashpoint	>176		50.0	50.0	Degrees F	1		1010A	Total/NA
pH	7.1	HF	0.1	0.1	SU	1		9045D	Total/NA
Temperature	20.5	HF	0.001	0.001	Degrees C	1		9045D	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: RW-D
Date Collected: 01/08/18 13:00
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		200	160	ug/L			01/11/18 13:13	200
1,1,2,2-Tetrachloroethane	ND		200	42	ug/L			01/11/18 13:13	200
1,1,2-Trichloroethane	ND		200	46	ug/L			01/11/18 13:13	200
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		200	62	ug/L			01/11/18 13:13	200
1,1-Dichloroethane	ND		200	76	ug/L			01/11/18 13:13	200
1,1-Dichloroethene	ND		200	58	ug/L			01/11/18 13:13	200
1,2,4-Trichlorobenzene	ND		200	82	ug/L			01/11/18 13:13	200
1,2-Dibromo-3-Chloropropane	ND		200	78	ug/L			01/11/18 13:13	200
1,2-Dibromoethane	ND		200	150	ug/L			01/11/18 13:13	200
1,2-Dichlorobenzene	ND		200	160	ug/L			01/11/18 13:13	200
1,2-Dichloroethane	ND		200	42	ug/L			01/11/18 13:13	200
1,2-Dichloropropane	ND		200	140	ug/L			01/11/18 13:13	200
1,3-Dichlorobenzene	ND		200	160	ug/L			01/11/18 13:13	200
1,4-Dichlorobenzene	ND		200	170	ug/L			01/11/18 13:13	200
2-Hexanone	ND		1000	250	ug/L			01/11/18 13:13	200
2-Butanone (MEK)	ND		2000	260	ug/L			01/11/18 13:13	200
4-Methyl-2-pentanone (MIBK)	ND		1000	420	ug/L			01/11/18 13:13	200
Acetone	ND		2000	600	ug/L			01/11/18 13:13	200
Benzene	**36000**	**E**	200	82	ug/L			01/11/18 13:13	200
Bromodichloromethane	ND		200	78	ug/L			01/11/18 13:13	200
Bromoform	ND		200	52	ug/L			01/11/18 13:13	200
Bromomethane	ND		200	140	ug/L			01/11/18 13:13	200
Carbon disulfide	ND		200	38	ug/L			01/11/18 13:13	200
Carbon tetrachloride	ND		200	54	ug/L			01/11/18 13:13	200
Chlorobenzene	ND		200	150	ug/L			01/11/18 13:13	200
Dibromochloromethane	ND		200	64	ug/L			01/11/18 13:13	200
Chloroethane	ND		200	64	ug/L			01/11/18 13:13	200
Chloroform	ND		200	68	ug/L			01/11/18 13:13	200
Chloromethane	ND		200	70	ug/L			01/11/18 13:13	200
cis-1,2-Dichloroethene	ND		200	160	ug/L			01/11/18 13:13	200
cis-1,3-Dichloropropene	ND		200	72	ug/L			01/11/18 13:13	200
Cyclohexane	ND		200	36	ug/L			01/11/18 13:13	200
Dichlorodifluoromethane	ND		200	140	ug/L			01/11/18 13:13	200
Ethylbenzene	**1500**		200	150	ug/L			01/11/18 13:13	200
Isopropylbenzene	ND		200	160	ug/L			01/11/18 13:13	200
Methyl acetate	ND		500	260	ug/L			01/11/18 13:13	200
Methyl tert-butyl ether	ND		200	32	ug/L			01/11/18 13:13	200
Methylcyclohexane	ND		200	32	ug/L			01/11/18 13:13	200
Methylene Chloride	ND		200	88	ug/L			01/11/18 13:13	200
Styrene	**3800**		200	150	ug/L			01/11/18 13:13	200
Tetrachloroethene	ND		200	72	ug/L			01/11/18 13:13	200
Toluene	**13000**		200	100	ug/L			01/11/18 13:13	200
trans-1,2-Dichloroethene	ND		200	180	ug/L			01/11/18 13:13	200
trans-1,3-Dichloropropene	ND		200	74	ug/L			01/11/18 13:13	200
Trichloroethene	ND		200	92	ug/L			01/11/18 13:13	200
Trichlorofluoromethane	ND		200	180	ug/L			01/11/18 13:13	200
Vinyl chloride	ND		200	180	ug/L			01/11/18 13:13	200
Xylenes, Total	**3700**		400	130	ug/L			01/11/18 13:13	200

Client Sample ID: RW-D
Date Collected: 01/08/18 13:00
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-1
Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*77 - 120*		*01/11/18 13:13*	*200*
Toluene-d8 (Surr)	*96*		*80 - 120*		*01/11/18 13:13*	*200*
4-Bromofluorobenzene (Surr)	*102*		*73 - 120*		*01/11/18 13:13*	*200*
Dibromofluoromethane (Surr)	*101*		*75 - 123*		*01/11/18 13:13*	*200*

Method: 8260C - Volatile Organic Compounds by GC/MS - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		800	660	ug/L			01/12/18 16:25	800
1,1,2,2-Tetrachloroethane	ND		800	170	ug/L			01/12/18 16:25	800
1,1,2-Trichloroethane	ND		800	180	ug/L			01/12/18 16:25	800
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		800	250	ug/L			01/12/18 16:25	800
1,1-Dichloroethane	ND		800	300	ug/L			01/12/18 16:25	800
1,1-Dichloroethene	ND		800	230	ug/L			01/12/18 16:25	800
1,2,4-Trichlorobenzene	ND		800	330	ug/L			01/12/18 16:25	800
1,2-Dibromo-3-Chloropropane	ND		800	310	ug/L			01/12/18 16:25	800
1,2-Dibromoethane	ND		800	580	ug/L			01/12/18 16:25	800
1,2-Dichlorobenzene	ND		800	630	ug/L			01/12/18 16:25	800
1,2-Dichloroethane	ND		800	170	ug/L			01/12/18 16:25	800
1,2-Dichloropropane	ND		800	580	ug/L			01/12/18 16:25	800
1,3-Dichlorobenzene	ND		800	620	ug/L			01/12/18 16:25	800
1,4-Dichlorobenzene	ND		800	670	ug/L			01/12/18 16:25	800
2-Hexanone	ND		4000	990	ug/L			01/12/18 16:25	800
2-Butanone (MEK)	ND		8000	1100	ug/L			01/12/18 16:25	800
4-Methyl-2-pentanone (MIBK)	ND		4000	1700	ug/L			01/12/18 16:25	800
Acetone	ND		8000	2400	ug/L			01/12/18 16:25	800
Benzene	**36000**		800	330	ug/L			01/12/18 16:25	800
Bromodichloromethane	ND		800	310	ug/L			01/12/18 16:25	800
Bromoform	ND		800	210	ug/L			01/12/18 16:25	800
Bromomethane	ND		800	550	ug/L			01/12/18 16:25	800
Carbon disulfide	ND		800	150	ug/L			01/12/18 16:25	800
Carbon tetrachloride	ND		800	220	ug/L			01/12/18 16:25	800
Chlorobenzene	ND		800	600	ug/L			01/12/18 16:25	800
Dibromochloromethane	ND		800	260	ug/L			01/12/18 16:25	800
Chloroethane	ND		800	260	ug/L			01/12/18 16:25	800
Chloroform	ND		800	270	ug/L			01/12/18 16:25	800
Chloromethane	ND		800	280	ug/L			01/12/18 16:25	800
cis-1,2-Dichloroethene	ND		800	650	ug/L			01/12/18 16:25	800
cis-1,3-Dichloropropene	ND		800	290	ug/L			01/12/18 16:25	800
Cyclohexane	ND		800	140	ug/L			01/12/18 16:25	800
Dichlorodifluoromethane	ND		800	540	ug/L			01/12/18 16:25	800
Ethylbenzene	**1400**		800	590	ug/L			01/12/18 16:25	800
Isopropylbenzene	ND		800	630	ug/L			01/12/18 16:25	800
Methyl acetate	ND		2000	1000	ug/L			01/12/18 16:25	800
Methyl tert-butyl ether	ND		800	130	ug/L			01/12/18 16:25	800
Methylcyclohexane	ND		800	130	ug/L			01/12/18 16:25	800
Methylene Chloride	ND		800	350	ug/L			01/12/18 16:25	800
Styrene	**3100**		800	580	ug/L			01/12/18 16:25	800
Tetrachloroethene	ND		800	290	ug/L			01/12/18 16:25	800
Toluene	**12000**		800	410	ug/L			01/12/18 16:25	800
trans-1,2-Dichloroethene	ND		800	720	ug/L			01/12/18 16:25	800

Client Sample ID: RW-D
Date Collected: 01/08/18 13:00
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-1
Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	ND		800	300	ug/L			01/12/18 16:25	800
Trichloroethene	ND		800	370	ug/L			01/12/18 16:25	800
Trichlorofluoromethane	ND		800	700	ug/L			01/12/18 16:25	800
Vinyl chloride	ND		800	720	ug/L			01/12/18 16:25	800
Xylenes, Total	**3300**		1600	530	ug/L			01/12/18 16:25	800

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*104*		*77 - 120*		*01/12/18 16:25*	*800*
Toluene-d8 (Surr)	*95*		*80 - 120*		*01/12/18 16:25*	*800*
4-Bromofluorobenzene (Surr)	*94*		*73 - 120*		*01/12/18 16:25*	*800*
Dibromofluoromethane (Surr)	*111*		*75 - 123*		*01/12/18 16:25*	*800*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	**53**	**J**	100	13	ug/L		01/11/18 14:49	01/18/18 19:22	20
bis (2-chloroisopropyl) ether	ND		100	10	ug/L		01/11/18 14:49	01/18/18 19:22	20
2,4,5-Trichlorophenol	ND		100	9.6	ug/L		01/11/18 14:49	01/18/18 19:22	20
2,4,6-Trichlorophenol	ND		100	12	ug/L		01/11/18 14:49	01/18/18 19:22	20
2,4-Dichlorophenol	ND		100	10	ug/L		01/11/18 14:49	01/18/18 19:22	20
2,4-Dimethylphenol	ND		100	10	ug/L		01/11/18 14:49	01/18/18 19:22	20
2,4-Dinitrophenol	ND		200	44	ug/L		01/11/18 14:49	01/18/18 19:22	20
2,4-Dinitrotoluene	ND		100	8.9	ug/L		01/11/18 14:49	01/18/18 19:22	20
2,6-Dinitrotoluene	ND		100	8.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
2-Chloronaphthalene	ND		100	9.2	ug/L		01/11/18 14:49	01/18/18 19:22	20
2-Chlorophenol	ND		100	11	ug/L		01/11/18 14:49	01/18/18 19:22	20
2-Methylnaphthalene	**750**		100	12	ug/L		01/11/18 14:49	01/18/18 19:22	20
2-Methylphenol	**23**	**J**	100	8.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
2-Nitroaniline	ND		200	8.4	ug/L		01/11/18 14:49	01/18/18 19:22	20
2-Nitrophenol	ND		100	9.6	ug/L		01/11/18 14:49	01/18/18 19:22	20
3,3'-Dichlorobenzidine	ND		100	8.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
3-Nitroaniline	ND		200	9.6	ug/L		01/11/18 14:49	01/18/18 19:22	20
4,6-Dinitro-2-methylphenol	ND		200	44	ug/L		01/11/18 14:49	01/18/18 19:22	20
4-Bromophenyl phenyl ether	ND		100	9.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
4-Chloro-3-methylphenol	ND		100	9.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
4-Chloroaniline	ND		100	12	ug/L		01/11/18 14:49	01/18/18 19:22	20
4-Chlorophenyl phenyl ether	ND		100	7.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
4-Methylphenol	**7.4**	**J**	200	7.2	ug/L		01/11/18 14:49	01/18/18 19:22	20
4-Nitroaniline	ND		200	5.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
4-Nitrophenol	ND		200	30	ug/L		01/11/18 14:49	01/18/18 19:22	20
Acenaphthene	**20**	**J**	100	8.2	ug/L		01/11/18 14:49	01/18/18 19:22	20
Acenaphthylene	**460**		100	7.6	ug/L		01/11/18 14:49	01/18/18 19:22	20
Acetophenone	**14**	**J**	100	11	ug/L		01/11/18 14:49	01/18/18 19:22	20
Anthracene	**25**	**J**	100	5.6	ug/L		01/11/18 14:49	01/18/18 19:22	20
Atrazine	ND		100	9.2	ug/L		01/11/18 14:49	01/18/18 19:22	20
Benzaldehyde	ND		100	5.3	ug/L		01/11/18 14:49	01/18/18 19:22	20
Benzo(a)anthracene	**8.4**	**J**	100	7.2	ug/L		01/11/18 14:49	01/18/18 19:22	20
Benzo(a)pyrene	ND		100	9.4	ug/L		01/11/18 14:49	01/18/18 19:22	20
Benzo(b)fluoranthene	ND		100	6.8	ug/L		01/11/18 14:49	01/18/18 19:22	20
Benzo(g,h,i)perylene	ND		100	7.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
Benzo(k)fluoranthene	ND		100	15	ug/L		01/11/18 14:49	01/18/18 19:22	20

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Client Sample ID: RW-D
Date Collected: 01/08/18 13:00
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		100	7.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
Bis(2-chloroethyl)ether	ND		100	8.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
Bis(2-ethylhexyl) phthalate	ND		100	44	ug/L		01/11/18 14:49	01/18/18 19:22	20
Butyl benzyl phthalate	ND		100	20	ug/L		01/11/18 14:49	01/18/18 19:22	20
Caprolactam	ND		100	44	ug/L		01/11/18 14:49	01/18/18 19:22	20
Carbazole	**50**	**J**	100	6.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
Chrysene	ND		100	6.6	ug/L		01/11/18 14:49	01/18/18 19:22	20
Di-n-butyl phthalate	ND		100	6.2	ug/L		01/11/18 14:49	01/18/18 19:22	20
Di-n-octyl phthalate	ND		100	9.4	ug/L		01/11/18 14:49	01/18/18 19:22	20
Dibenz(a,h)anthracene	ND		100	8.4	ug/L		01/11/18 14:49	01/18/18 19:22	20
Dibenzofuran	**12**	**J**	200	10	ug/L		01/11/18 14:49	01/18/18 19:22	20
Diethyl phthalate	ND		100	4.4	ug/L		01/11/18 14:49	01/18/18 19:22	20
Dimethyl phthalate	ND		100	7.2	ug/L		01/11/18 14:49	01/18/18 19:22	20
Fluoranthene	**20**	**J**	100	8.0	ug/L		01/11/18 14:49	01/18/18 19:22	20
Fluorene	**78**	**J**	100	7.2	ug/L		01/11/18 14:49	01/18/18 19:22	20
Hexachlorobenzene	ND		100	10	ug/L		01/11/18 14:49	01/18/18 19:22	20
Hexachlorobutadiene	ND		100	14	ug/L		01/11/18 14:49	01/18/18 19:22	20
Hexachlorocyclopentadiene	ND		100	12	ug/L		01/11/18 14:49	01/18/18 19:22	20
Hexachloroethane	ND		100	12	ug/L		01/11/18 14:49	01/18/18 19:22	20
Indeno(1,2,3-cd)pyrene	ND		100	9.4	ug/L		01/11/18 14:49	01/18/18 19:22	20
Isophorone	ND		100	8.6	ug/L		01/11/18 14:49	01/18/18 19:22	20
N-Nitrosodi-n-propylamine	ND		100	11	ug/L		01/11/18 14:49	01/18/18 19:22	20
N-Nitrosodiphenylamine	ND		100	10	ug/L		01/11/18 14:49	01/18/18 19:22	20
Naphthalene	**4200**	**E**	100	15	ug/L		01/11/18 14:49	01/18/18 19:22	20
Nitrobenzene	ND		100	5.8	ug/L		01/11/18 14:49	01/18/18 19:22	20
Pentachlorophenol	ND		200	44	ug/L		01/11/18 14:49	01/18/18 19:22	20
Phenanthrene	**120**		100	8.8	ug/L		01/11/18 14:49	01/18/18 19:22	20
Phenol	**15**	**J**	100	7.8	ug/L		01/11/18 14:49	01/18/18 19:22	20
Pyrene	**30**	**J**	100	6.8	ug/L		01/11/18 14:49	01/18/18 19:22	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*121*	*X*	*41 - 120*	*01/11/18 14:49*	*01/18/18 19:22*	*20*
2-Fluorobiphenyl	*83*		*48 - 120*	*01/11/18 14:49*	*01/18/18 19:22*	*20*
2-Fluorophenol	*68*		*35 - 120*	*01/11/18 14:49*	*01/18/18 19:22*	*20*
Nitrobenzene-d5	*68*		*46 - 120*	*01/11/18 14:49*	*01/18/18 19:22*	*20*
p-Terphenyl-d14	*67*		*59 - 136*	*01/11/18 14:49*	*01/18/18 19:22*	*20*
Phenol-d5	*43*		*22 - 120*	*01/11/18 14:49*	*01/18/18 19:22*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		2500	330	ug/L		01/11/18 14:49	01/19/18 12:24	500
bis (2-chloroisopropyl) ether	ND		2500	260	ug/L		01/11/18 14:49	01/19/18 12:24	500
2,4,5-Trichlorophenol	ND		2500	240	ug/L		01/11/18 14:49	01/19/18 12:24	500
2,4,6-Trichlorophenol	ND		2500	310	ug/L		01/11/18 14:49	01/19/18 12:24	500
2,4-Dichlorophenol	ND		2500	260	ug/L		01/11/18 14:49	01/19/18 12:24	500
2,4-Dimethylphenol	ND		2500	250	ug/L		01/11/18 14:49	01/19/18 12:24	500
2,4-Dinitrophenol	ND		5000	1100	ug/L		01/11/18 14:49	01/19/18 12:24	500
2,4-Dinitrotoluene	ND		2500	220	ug/L		01/11/18 14:49	01/19/18 12:24	500
2,6-Dinitrotoluene	ND		2500	200	ug/L		01/11/18 14:49	01/19/18 12:24	500
2-Chloronaphthalene	ND		2500	230	ug/L		01/11/18 14:49	01/19/18 12:24	500

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Client Sample ID: RW-D
Date Collected: 01/08/18 13:00
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chlorophenol	ND		2500	270	ug/L		01/11/18 14:49	01/19/18 12:24	500
2-Methylnaphthalene	**720**	**J**	2500	300	ug/L		01/11/18 14:49	01/19/18 12:24	500
2-Methylphenol	ND		2500	200	ug/L		01/11/18 14:49	01/19/18 12:24	500
2-Nitroaniline	ND		5000	210	ug/L		01/11/18 14:49	01/19/18 12:24	500
2-Nitrophenol	ND		2500	240	ug/L		01/11/18 14:49	01/19/18 12:24	500
3,3'-Dichlorobenzidine	ND		2500	200	ug/L		01/11/18 14:49	01/19/18 12:24	500
3-Nitroaniline	ND		5000	240	ug/L		01/11/18 14:49	01/19/18 12:24	500
4,6-Dinitro-2-methylphenol	ND		5000	1100	ug/L		01/11/18 14:49	01/19/18 12:24	500
4-Bromophenyl phenyl ether	ND		2500	230	ug/L		01/11/18 14:49	01/19/18 12:24	500
4-Chloro-3-methylphenol	ND		2500	230	ug/L		01/11/18 14:49	01/19/18 12:24	500
4-Chloroaniline	ND		2500	300	ug/L		01/11/18 14:49	01/19/18 12:24	500
4-Chlorophenyl phenyl ether	ND		2500	180	ug/L		01/11/18 14:49	01/19/18 12:24	500
4-Methylphenol	ND		5000	180	ug/L		01/11/18 14:49	01/19/18 12:24	500
4-Nitroaniline	ND		5000	130	ug/L		01/11/18 14:49	01/19/18 12:24	500
4-Nitrophenol	ND		5000	760	ug/L		01/11/18 14:49	01/19/18 12:24	500
Acenaphthene	ND		2500	210	ug/L		01/11/18 14:49	01/19/18 12:24	500
Acenaphthylene	**410**	**J**	2500	190	ug/L		01/11/18 14:49	01/19/18 12:24	500
Acetophenone	ND		2500	270	ug/L		01/11/18 14:49	01/19/18 12:24	500
Anthracene	ND		2500	140	ug/L		01/11/18 14:49	01/19/18 12:24	500
Atrazine	ND		2500	230	ug/L		01/11/18 14:49	01/19/18 12:24	500
Benzaldehyde	ND		2500	130	ug/L		01/11/18 14:49	01/19/18 12:24	500
Benzo(a)anthracene	ND		2500	180	ug/L		01/11/18 14:49	01/19/18 12:24	500
Benzo(a)pyrene	ND		2500	240	ug/L		01/11/18 14:49	01/19/18 12:24	500
Benzo(b)fluoranthene	ND		2500	170	ug/L		01/11/18 14:49	01/19/18 12:24	500
Benzo(g,h,i)perylene	ND		2500	180	ug/L		01/11/18 14:49	01/19/18 12:24	500
Benzo(k)fluoranthene	ND		2500	370	ug/L		01/11/18 14:49	01/19/18 12:24	500
Bis(2-chloroethoxy)methane	ND		2500	180	ug/L		01/11/18 14:49	01/19/18 12:24	500
Bis(2-chloroethyl)ether	ND		2500	200	ug/L		01/11/18 14:49	01/19/18 12:24	500
Bis(2-ethylhexyl) phthalate	ND		2500	1100	ug/L		01/11/18 14:49	01/19/18 12:24	500
Butyl benzyl phthalate	ND		2500	500	ug/L		01/11/18 14:49	01/19/18 12:24	500
Caprolactam	ND		2500	1100	ug/L		01/11/18 14:49	01/19/18 12:24	500
Carbazole	ND		2500	150	ug/L		01/11/18 14:49	01/19/18 12:24	500
Chrysene	ND		2500	170	ug/L		01/11/18 14:49	01/19/18 12:24	500
Di-n-butyl phthalate	ND		2500	160	ug/L		01/11/18 14:49	01/19/18 12:24	500
Di-n-octyl phthalate	ND		2500	240	ug/L		01/11/18 14:49	01/19/18 12:24	500
Dibenz(a,h)anthracene	ND		2500	210	ug/L		01/11/18 14:49	01/19/18 12:24	500
Dibenzofuran	ND		5000	260	ug/L		01/11/18 14:49	01/19/18 12:24	500
Diethyl phthalate	ND		2500	110	ug/L		01/11/18 14:49	01/19/18 12:24	500
Dimethyl phthalate	ND		2500	180	ug/L		01/11/18 14:49	01/19/18 12:24	500
Fluoranthene	ND		2500	200	ug/L		01/11/18 14:49	01/19/18 12:24	500
Fluorene	ND		2500	180	ug/L		01/11/18 14:49	01/19/18 12:24	500
Hexachlorobenzene	ND		2500	260	ug/L		01/11/18 14:49	01/19/18 12:24	500
Hexachlorobutadiene	ND		2500	340	ug/L		01/11/18 14:49	01/19/18 12:24	500
Hexachlorocyclopentadiene	ND		2500	300	ug/L		01/11/18 14:49	01/19/18 12:24	500
Hexachloroethane	ND		2500	300	ug/L		01/11/18 14:49	01/19/18 12:24	500
Indeno(1,2,3-cd)pyrene	ND		2500	240	ug/L		01/11/18 14:49	01/19/18 12:24	500
Isophorone	ND		2500	220	ug/L		01/11/18 14:49	01/19/18 12:24	500
N-Nitrosodi-n-propylamine	ND		2500	270	ug/L		01/11/18 14:49	01/19/18 12:24	500
N-Nitrosodiphenylamine	ND		2500	260	ug/L		01/11/18 14:49	01/19/18 12:24	500

Client Sample ID: RW-D

Date Collected: 01/08/18 13:00
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-1
Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Naphthalene	**8600**		2500	380	ug/L		01/11/18 14:49	01/19/18 12:24	500
Nitrobenzene	ND		2500	150	ug/L		01/11/18 14:49	01/19/18 12:24	500
Pentachlorophenol	ND		5000	1100	ug/L		01/11/18 14:49	01/19/18 12:24	500
Phenanthrene	ND		2500	220	ug/L		01/11/18 14:49	01/19/18 12:24	500
Phenol	ND		2500	200	ug/L		01/11/18 14:49	01/19/18 12:24	500
Pyrene	ND		2500	170	ug/L		01/11/18 14:49	01/19/18 12:24	500

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*0*	*X*	*41 - 120*	*01/11/18 14:49*	*01/19/18 12:24*	*500*
2-Fluorobiphenyl	*82*		*48 - 120*	*01/11/18 14:49*	*01/19/18 12:24*	*500*
2-Fluorophenol	*0*	*X*	*35 - 120*	*01/11/18 14:49*	*01/19/18 12:24*	*500*
Nitrobenzene-d5	*70*		*46 - 120*	*01/11/18 14:49*	*01/19/18 12:24*	*500*
p-Terphenyl-d14	*53*	*X*	*59 - 136*	*01/11/18 14:49*	*01/19/18 12:24*	*500*
Phenol-d5	*47*		*22 - 120*	*01/11/18 14:49*	*01/19/18 12:24*	*500*

Method: 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	ND		0.0060	0.0017	mg/L		01/11/18 07:25	01/11/18 18:57	1
Arsenic	ND		0.015	0.0056	mg/L		01/11/18 07:25	01/11/18 18:57	1
Barium	**0.018**		0.0020	0.00070	mg/L		01/11/18 07:25	01/11/18 18:57	1
Cadmium	ND		0.0020	0.00050	mg/L		01/11/18 07:25	01/11/18 18:57	1
Chromium	ND		0.0040	0.0010	mg/L		01/11/18 07:25	01/11/18 18:57	1
Lead	ND		0.010	0.0030	mg/L		01/11/18 07:25	01/11/18 18:57	1
Selenium	ND		0.025	0.0087	mg/L		01/11/18 07:25	01/11/18 18:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/11/18 12:40	01/11/18 17:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/L		01/15/18 05:34	01/15/18 14:47	1
Sulfide, Reactive	ND		10.0	10.0	mg/L		01/15/18 05:34	01/15/18 12:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			01/11/18 08:01	1
pH	**7.83**	**HF**	0.100	0.100	SU			01/12/18 11:20	1
Temperature	**20.7**	**HF**	0.00100	0.00100	Degrees C			01/12/18 11:20	1

Client Sample ID: RW-D PPE

Date Collected: 01/08/18 13:05
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-2
Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	**0.0095**	**J**	0.020	0.0082	mg/L			01/17/18 15:02	20
Carbon tetrachloride	ND		0.020	0.0054	mg/L			01/17/18 15:02	20
Chlorobenzene	ND		0.020	0.015	mg/L			01/17/18 15:02	20
Chloroform	ND		0.020	0.0068	mg/L			01/17/18 15:02	20
1,2-Dichloroethane	ND		0.020	0.0042	mg/L			01/17/18 15:02	20
1,1-Dichloroethene	ND		0.020	0.0058	mg/L			01/17/18 15:02	20

Client Sample ID: RW-D PPE

Date Collected: 01/08/18 13:05
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-2

Matrix: Solid

Method: 8260C - TCLP Volatiles - TCLP (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2-Butanone (MEK)	ND		0.10	0.026	mg/L			01/17/18 15:02	20
Tetrachloroethene	ND		0.020	0.0072	mg/L			01/17/18 15:02	20
Trichloroethene	ND		0.020	0.0092	mg/L			01/17/18 15:02	20
Vinyl chloride	ND		0.020	0.018	mg/L			01/17/18 15:02	20

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*102*		*77 - 120*		*01/17/18 15:02*	*20*
Toluene-d8 (Surr)	*108*		*80 - 120*		*01/17/18 15:02*	*20*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/17/18 15:02*	*20*
Dibromofluoromethane (Surr)	*108*		*75 - 123*		*01/17/18 15:02*	*20*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		01/16/18 09:12	01/17/18 19:35	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		01/16/18 09:12	01/17/18 19:35	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		01/16/18 09:12	01/17/18 19:35	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		01/16/18 09:12	01/17/18 19:35	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		01/16/18 09:12	01/17/18 19:35	1
3-Methylphenol	ND		0.010	0.00040	mg/L		01/16/18 09:12	01/17/18 19:35	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		01/16/18 09:12	01/17/18 19:35	1
4-Methylphenol	ND		0.010	0.00036	mg/L		01/16/18 09:12	01/17/18 19:35	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		01/16/18 09:12	01/17/18 19:35	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		01/16/18 09:12	01/17/18 19:35	1
Pyridine	ND		0.025	0.00041	mg/L		01/16/18 09:12	01/17/18 19:35	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		01/16/18 09:12	01/17/18 19:35	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		01/16/18 09:12	01/17/18 19:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*85*		*41 - 120*	*01/16/18 09:12*	*01/17/18 19:35*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*01/16/18 09:12*	*01/17/18 19:35*	*1*
2-Fluorophenol	*51*		*35 - 120*	*01/16/18 09:12*	*01/17/18 19:35*	*1*
Nitrobenzene-d5	*78*		*46 - 120*	*01/16/18 09:12*	*01/17/18 19:35*	*1*
p-Terphenyl-d14	*94*		*59 - 136*	*01/16/18 09:12*	*01/17/18 19:35*	*1*
Phenol-d5	*35*		*22 - 120*	*01/16/18 09:12*	*01/17/18 19:35*	*1*

Method: 6010C - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/16/18 09:48	01/18/18 05:15	1
Barium	ND		1.0	0.10	mg/L		01/16/18 09:48	01/18/18 05:15	1
Cadmium	ND		0.0020	0.00050	mg/L		01/16/18 09:48	01/18/18 05:15	1
Chromium	ND		0.020	0.010	mg/L		01/16/18 09:48	01/18/18 05:15	1
Lead	ND		0.020	0.0030	mg/L		01/16/18 09:48	01/18/18 05:15	1
Selenium	ND		0.025	0.0087	mg/L		01/16/18 09:48	01/18/18 05:15	1
Silver	ND		0.0060	0.0017	mg/L		01/16/18 09:48	01/18/18 05:15	1

Method: 7470A - TCLP Mercury - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/16/18 13:10	01/16/18 16:29	1

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Client Sample ID: RW-D PPE
Date Collected: 01/08/18 13:05
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-2
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		9.8	9.8	mg/Kg		01/15/18 05:34	01/15/18 14:47	1
Sulfide, Reactive	ND		9.8	9.8	mg/Kg		01/15/18 05:34	01/15/18 12:30	1

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Flashpoint	**>176**		50.0	50.0	Degrees F			01/11/18 08:01	1
pH	**7.1**	**HF**	0.1	0.1	SU			01/16/18 10:03	1
Temperature	**20.5**	**HF**	0.001	0.001	Degrees C			01/16/18 10:03	1

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Method: 8260C - TCLP Volatiles

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
LCS 480-396097/5	Lab Control Sample	99	107	115	108
MB 480-396097/7	Method Blank	100	107	111	110

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - TCLP Volatiles

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
460-148055-2	RW-D PPE	102	108	111	108
460-148055-2 MS	RW-D PPE	95	107	117	107
460-148055-2 MSD	RW-D PPE	101	106	112	110
LB 480-395779/1-A	Method Blank	99	106	108	110

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	TOL	BFB	DBFM
Lab Sample ID	Client Sample ID	(77-120)	(80-120)	(73-120)	(75-123)
460-148055-1	RW-D	90	96	102	101
460-148055-1 - DL	RW-D	104	95	94	111
LCS 480-395370/5	Lab Control Sample	97	99	101	106
LCS 480-395565/5	Lab Control Sample	102	97	98	113
MB 480-395370/7	Method Blank	95	98	100	104
MB 480-395565/7	Method Blank	103	97	98	110

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
TOL = Toluene-d8 (Surr)
BFB = 4-Bromofluorobenzene (Surr)
DBFM = Dibromofluoromethane (Surr)

Surrogate Summary

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(59-136)	(22-120)
LCS 480-395928/2-A	Lab Control Sample	90	81	46	79	97	34
LCSD 480-395928/3-A	Lab Control Sample Dup	84	77	43	71	89	30
MB 480-395928/1-A	Method Blank	69	84	44	80	92	31

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: TCLP**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(59-136)	(22-120)
460-148055-2	RW-D PPE	85	85	51	78	94	35
LB 480-395773/1-C	Method Blank	82	85	47	84	99	31

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	TPHd14	PHL
Lab Sample ID	Client Sample ID	(41-120)	(48-120)	(35-120)	(46-120)	(59-136)	(22-120)
460-148055-1	RW-D	121 X	83	68	68	67	43
460-148055-1 - DL	RW-D	0 X	82	0 X	70	53 X	47
LCS 480-395494/2-A	Lab Control Sample	91	85	65	83	98	53
MB 480-395494/1-A	Method Blank	78	83	64	75	101	48

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
TPHd14 = p-Terphenyl-d14
PHL = Phenol-d5

Method: 8260C - TCLP Volatiles

Lab Sample ID: MB 480-396097/7
Matrix: Solid
Analysis Batch: 396097

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.0010	0.00029	mg/L			01/17/18 11:26	1
1,2-Dichloroethane	ND		0.0010	0.00021	mg/L			01/17/18 11:26	1
2-Butanone (MEK)	ND		0.0050	0.0013	mg/L			01/17/18 11:26	1
Benzene	ND		0.0010	0.00041	mg/L			01/17/18 11:26	1
Carbon tetrachloride	ND		0.0010	0.00027	mg/L			01/17/18 11:26	1
Chlorobenzene	ND		0.0010	0.00075	mg/L			01/17/18 11:26	1
Chloroform	ND		0.0010	0.00034	mg/L			01/17/18 11:26	1
Tetrachloroethene	ND		0.0010	0.00036	mg/L			01/17/18 11:26	1
Trichloroethene	ND		0.0010	0.00046	mg/L			01/17/18 11:26	1
Vinyl chloride	ND		0.0010	0.00090	mg/L			01/17/18 11:26	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*100*		*77 - 120*		*01/17/18 11:26*	*1*
Toluene-d8 (Surr)	*107*		*80 - 120*		*01/17/18 11:26*	*1*
4-Bromofluorobenzene (Surr)	*111*		*73 - 120*		*01/17/18 11:26*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*01/17/18 11:26*	*1*

Lab Sample ID: LCS 480-396097/5
Matrix: Solid
Analysis Batch: 396097

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	0.0250	0.0240		mg/L		96	66 - 127
1,2-Dichloroethane	0.0250	0.0229		mg/L		92	75 - 120
2-Butanone (MEK)	0.125	0.123		mg/L		98	57 - 140
Benzene	0.0250	0.0244		mg/L		98	71 - 124
Carbon tetrachloride	0.0250	0.0238		mg/L		95	72 - 134
Chlorobenzene	0.0250	0.0252		mg/L		101	80 - 120
Chloroform	0.0250	0.0243		mg/L		97	73 - 127
Tetrachloroethene	0.0250	0.0275		mg/L		110	74 - 122
Trichloroethene	0.0250	0.0238		mg/L		95	74 - 123
Vinyl chloride	0.0250	0.0244		mg/L		97	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*115*		*73 - 120*
Dibromofluoromethane (Surr)	*108*		*75 - 123*

Lab Sample ID: LB 480-395779/1-A
Matrix: Solid
Analysis Batch: 396097

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethene	ND		0.010	0.0029	mg/L			01/17/18 12:20	10
1,2-Dichloroethane	ND		0.010	0.0021	mg/L			01/17/18 12:20	10
2-Butanone (MEK)	ND		0.050	0.013	mg/L			01/17/18 12:20	10

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: LB 480-395779/1-A
Matrix: Solid
Analysis Batch: 396097

Client Sample ID: Method Blank
Prep Type: TCLP

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		0.010	0.0041	mg/L			01/17/18 12:20	10
Carbon tetrachloride	ND		0.010	0.0027	mg/L			01/17/18 12:20	10
Chlorobenzene	ND		0.010	0.0075	mg/L			01/17/18 12:20	10
Chloroform	ND		0.010	0.0034	mg/L			01/17/18 12:20	10
Tetrachloroethene	ND		0.010	0.0036	mg/L			01/17/18 12:20	10
Trichloroethene	ND		0.010	0.0046	mg/L			01/17/18 12:20	10
Vinyl chloride	ND		0.010	0.0090	mg/L			01/17/18 12:20	10

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*99*		*77 - 120*		*01/17/18 12:20*	*10*
Toluene-d8 (Surr)	*106*		*80 - 120*		*01/17/18 12:20*	*10*
4-Bromofluorobenzene (Surr)	*108*		*73 - 120*		*01/17/18 12:20*	*10*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*01/17/18 12:20*	*10*

Lab Sample ID: 460-148055-2 MS
Matrix: Solid
Analysis Batch: 396097

Client Sample ID: RW-D PPE
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethene	ND		0.500	0.524		mg/L		105	66 - 127
1,2-Dichloroethane	ND		0.500	0.471		mg/L		94	75 - 120
2-Butanone (MEK)	ND		2.50	2.18		mg/L		87	57 - 140
Benzene	0.0095	J	0.500	0.510		mg/L		100	71 - 124
Carbon tetrachloride	ND		0.500	0.515		mg/L		103	72 - 134
Chlorobenzene	ND		0.500	0.536		mg/L		107	80 - 120
Chloroform	ND		0.500	0.493		mg/L		99	73 - 127
Tetrachloroethene	ND		0.500	0.584		mg/L		117	74 - 122
Trichloroethene	ND		0.500	0.501		mg/L		100	74 - 123
Vinyl chloride	ND		0.500	0.494		mg/L		99	65 - 133

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*
Toluene-d8 (Surr)	*107*		*80 - 120*
4-Bromofluorobenzene (Surr)	*117*		*73 - 120*
Dibromofluoromethane (Surr)	*107*		*75 - 123*

Lab Sample ID: 460-148055-2 MSD
Matrix: Solid
Analysis Batch: 396097

Client Sample ID: RW-D PPE
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloroethene	ND		0.500	0.579		mg/L		116	66 - 127	10	16
1,2-Dichloroethane	ND		0.500	0.494		mg/L		99	75 - 120	5	20
2-Butanone (MEK)	ND		2.50	2.36		mg/L		94	57 - 140	8	20
Benzene	0.0095	J	0.500	0.545		mg/L		107	71 - 124	7	13
Carbon tetrachloride	ND		0.500	0.543		mg/L		109	72 - 134	5	15
Chlorobenzene	ND		0.500	0.537		mg/L		107	80 - 120	0	25
Chloroform	ND		0.500	0.526		mg/L		105	73 - 127	6	20

Method: 8260C - TCLP Volatiles (Continued)

Lab Sample ID: 460-148055-2 MSD
Matrix: Solid
Analysis Batch: 396097

Client Sample ID: RW-D PPE
Prep Type: TCLP

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Tetrachloroethene	ND		0.500	0.577		mg/L		115	74 - 122	1	20
Trichloroethene	ND		0.500	0.513		mg/L		103	74 - 123	2	16
Vinyl chloride	ND		0.500	0.506		mg/L		101	65 - 133	2	15

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*101*		*77 - 120*
Toluene-d8 (Surr)	*106*		*80 - 120*
4-Bromofluorobenzene (Surr)	*112*		*73 - 120*
Dibromofluoromethane (Surr)	*110*		*75 - 123*

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 480-395370/7
Matrix: Water
Analysis Batch: 395370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/11/18 11:57	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/11/18 11:57	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/11/18 11:57	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/11/18 11:57	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/11/18 11:57	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/11/18 11:57	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/11/18 11:57	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/11/18 11:57	1
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/11/18 11:57	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/11/18 11:57	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/11/18 11:57	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/11/18 11:57	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/11/18 11:57	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/11/18 11:57	1
2-Hexanone	ND		5.0	1.2	ug/L			01/11/18 11:57	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/11/18 11:57	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/11/18 11:57	1
Acetone	ND		10	3.0	ug/L			01/11/18 11:57	1
Benzene	ND		1.0	0.41	ug/L			01/11/18 11:57	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/11/18 11:57	1
Bromoform	ND		1.0	0.26	ug/L			01/11/18 11:57	1
Bromomethane	ND		1.0	0.69	ug/L			01/11/18 11:57	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/11/18 11:57	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/11/18 11:57	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/11/18 11:57	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/11/18 11:57	1
Chloroethane	ND		1.0	0.32	ug/L			01/11/18 11:57	1
Chloroform	ND		1.0	0.34	ug/L			01/11/18 11:57	1
Chloromethane	ND		1.0	0.35	ug/L			01/11/18 11:57	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/11/18 11:57	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/11/18 11:57	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-395370/7
Matrix: Water
Analysis Batch: 395370

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyclohexane	ND		1.0	0.18	ug/L			01/11/18 11:57	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/11/18 11:57	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/11/18 11:57	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/11/18 11:57	1
Methyl acetate	ND		2.5	1.3	ug/L			01/11/18 11:57	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/11/18 11:57	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/11/18 11:57	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/11/18 11:57	1
Styrene	ND		1.0	0.73	ug/L			01/11/18 11:57	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/11/18 11:57	1
Toluene	ND		1.0	0.51	ug/L			01/11/18 11:57	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/11/18 11:57	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/11/18 11:57	1
Trichloroethene	ND		1.0	0.46	ug/L			01/11/18 11:57	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/11/18 11:57	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/11/18 11:57	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/11/18 11:57	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*77 - 120*		*01/11/18 11:57*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*01/11/18 11:57*	*1*
4-Bromofluorobenzene (Surr)	*100*		*73 - 120*		*01/11/18 11:57*	*1*
Dibromofluoromethane (Surr)	*104*		*75 - 123*		*01/11/18 11:57*	*1*

Lab Sample ID: LCS 480-395370/5
Matrix: Water
Analysis Batch: 395370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.5		ug/L		110	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.0		ug/L		84	76 - 120
1,1,2-Trichloroethane	25.0	23.4		ug/L		94	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.1		ug/L		113	61 - 148
1,1-Dichloroethane	25.0	26.3		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	28.7		ug/L		115	66 - 127
1,2,4-Trichlorobenzene	25.0	23.4		ug/L		93	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.8		ug/L		71	56 - 134
1,2-Dibromoethane	25.0	24.6		ug/L		99	77 - 120
1,2-Dichlorobenzene	25.0	23.7		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	23.9		ug/L		95	75 - 120
1,2-Dichloropropane	25.0	26.1		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	23.7		ug/L		95	77 - 120
1,4-Dichlorobenzene	25.0	23.9		ug/L		96	80 - 120
2-Hexanone	125	100		ug/L		80	65 - 127
2-Butanone (MEK)	125	110		ug/L		88	57 - 140
4-Methyl-2-pentanone (MIBK)	125	101		ug/L		81	71 - 125
Acetone	125	109		ug/L		88	56 - 142

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-395370/5
Matrix: Water
Analysis Batch: 395370

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	25.0	26.5		ug/L		106	71 - 124
Bromodichloromethane	25.0	28.3		ug/L		113	80 - 122
Bromoform	25.0	24.4		ug/L		98	61 - 132
Bromomethane	25.0	30.2		ug/L		121	55 - 144
Carbon disulfide	25.0	27.8		ug/L		111	59 - 134
Carbon tetrachloride	25.0	27.3		ug/L		109	72 - 134
Chlorobenzene	25.0	24.8		ug/L		99	80 - 120
Dibromochloromethane	25.0	25.4		ug/L		102	75 - 125
Chloroethane	25.0	28.4		ug/L		114	69 - 136
Chloroform	25.0	28.2		ug/L		113	73 - 127
Chloromethane	25.0	29.9		ug/L		120	68 - 124
cis-1,2-Dichloroethene	25.0	27.0		ug/L		108	74 - 124
cis-1,3-Dichloropropene	25.0	26.4		ug/L		106	74 - 124
Cyclohexane	25.0	25.1		ug/L		100	59 - 135
Dichlorodifluoromethane	25.0	29.3		ug/L		117	59 - 135
Ethylbenzene	25.0	24.1		ug/L		96	77 - 123
Isopropylbenzene	25.0	23.4		ug/L		93	77 - 122
Methyl acetate	50.0	43.0		ug/L		86	74 - 133
Methyl tert-butyl ether	25.0	24.8		ug/L		99	77 - 120
Methylcyclohexane	25.0	27.8		ug/L		111	68 - 134
Methylene Chloride	25.0	25.7		ug/L		103	75 - 124
Styrene	25.0	24.7		ug/L		99	80 - 120
Tetrachloroethene	25.0	26.0		ug/L		104	74 - 122
Toluene	25.0	24.1		ug/L		96	80 - 122
trans-1,2-Dichloroethene	25.0	27.9		ug/L		112	73 - 127
Trichloroethene	25.0	28.3		ug/L		113	74 - 123
Trichlorofluoromethane	25.0	28.4		ug/L		114	62 - 150
Vinyl chloride	25.0	29.9		ug/L		120	65 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*97*		*77 - 120*
Toluene-d8 (Surr)	*99*		*80 - 120*
4-Bromofluorobenzene (Surr)	*101*		*73 - 120*
Dibromofluoromethane (Surr)	*106*		*75 - 123*

Lab Sample ID: MB 480-395565/7
Matrix: Water
Analysis Batch: 395565

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	ND		1.0	0.82	ug/L			01/12/18 15:00	1
1,1,2,2-Tetrachloroethane	ND		1.0	0.21	ug/L			01/12/18 15:00	1
1,1,2-Trichloroethane	ND		1.0	0.23	ug/L			01/12/18 15:00	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		1.0	0.31	ug/L			01/12/18 15:00	1
1,1-Dichloroethane	ND		1.0	0.38	ug/L			01/12/18 15:00	1
1,1-Dichloroethene	ND		1.0	0.29	ug/L			01/12/18 15:00	1
1,2,4-Trichlorobenzene	ND		1.0	0.41	ug/L			01/12/18 15:00	1
1,2-Dibromo-3-Chloropropane	ND		1.0	0.39	ug/L			01/12/18 15:00	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 480-395565/7
Matrix: Water
Analysis Batch: 395565

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dibromoethane	ND		1.0	0.73	ug/L			01/12/18 15:00	1
1,2-Dichlorobenzene	ND		1.0	0.79	ug/L			01/12/18 15:00	1
1,2-Dichloroethane	ND		1.0	0.21	ug/L			01/12/18 15:00	1
1,2-Dichloropropane	ND		1.0	0.72	ug/L			01/12/18 15:00	1
1,3-Dichlorobenzene	ND		1.0	0.78	ug/L			01/12/18 15:00	1
1,4-Dichlorobenzene	ND		1.0	0.84	ug/L			01/12/18 15:00	1
2-Hexanone	ND		5.0	1.2	ug/L			01/12/18 15:00	1
2-Butanone (MEK)	ND		10	1.3	ug/L			01/12/18 15:00	1
4-Methyl-2-pentanone (MIBK)	ND		5.0	2.1	ug/L			01/12/18 15:00	1
Acetone	ND		10	3.0	ug/L			01/12/18 15:00	1
Benzene	ND		1.0	0.41	ug/L			01/12/18 15:00	1
Bromodichloromethane	ND		1.0	0.39	ug/L			01/12/18 15:00	1
Bromoform	ND		1.0	0.26	ug/L			01/12/18 15:00	1
Bromomethane	ND		1.0	0.69	ug/L			01/12/18 15:00	1
Carbon disulfide	ND		1.0	0.19	ug/L			01/12/18 15:00	1
Carbon tetrachloride	ND		1.0	0.27	ug/L			01/12/18 15:00	1
Chlorobenzene	ND		1.0	0.75	ug/L			01/12/18 15:00	1
Dibromochloromethane	ND		1.0	0.32	ug/L			01/12/18 15:00	1
Chloroethane	ND		1.0	0.32	ug/L			01/12/18 15:00	1
Chloroform	ND		1.0	0.34	ug/L			01/12/18 15:00	1
Chloromethane	ND		1.0	0.35	ug/L			01/12/18 15:00	1
cis-1,2-Dichloroethene	ND		1.0	0.81	ug/L			01/12/18 15:00	1
cis-1,3-Dichloropropene	ND		1.0	0.36	ug/L			01/12/18 15:00	1
Cyclohexane	ND		1.0	0.18	ug/L			01/12/18 15:00	1
Dichlorodifluoromethane	ND		1.0	0.68	ug/L			01/12/18 15:00	1
Ethylbenzene	ND		1.0	0.74	ug/L			01/12/18 15:00	1
Isopropylbenzene	ND		1.0	0.79	ug/L			01/12/18 15:00	1
Methyl acetate	ND		2.5	1.3	ug/L			01/12/18 15:00	1
Methyl tert-butyl ether	ND		1.0	0.16	ug/L			01/12/18 15:00	1
Methylcyclohexane	ND		1.0	0.16	ug/L			01/12/18 15:00	1
Methylene Chloride	ND		1.0	0.44	ug/L			01/12/18 15:00	1
Styrene	ND		1.0	0.73	ug/L			01/12/18 15:00	1
Tetrachloroethene	ND		1.0	0.36	ug/L			01/12/18 15:00	1
Toluene	ND		1.0	0.51	ug/L			01/12/18 15:00	1
trans-1,2-Dichloroethene	ND		1.0	0.90	ug/L			01/12/18 15:00	1
trans-1,3-Dichloropropene	ND		1.0	0.37	ug/L			01/12/18 15:00	1
Trichloroethene	ND		1.0	0.46	ug/L			01/12/18 15:00	1
Trichlorofluoromethane	ND		1.0	0.88	ug/L			01/12/18 15:00	1
Vinyl chloride	ND		1.0	0.90	ug/L			01/12/18 15:00	1
Xylenes, Total	ND		2.0	0.66	ug/L			01/12/18 15:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*103*		*77 - 120*		*01/12/18 15:00*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*01/12/18 15:00*	*1*
4-Bromofluorobenzene (Surr)	*98*		*73 - 120*		*01/12/18 15:00*	*1*
Dibromofluoromethane (Surr)	*110*		*75 - 123*		*01/12/18 15:00*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-395565/5
Matrix: Water
Analysis Batch: 395565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	25.0	27.0		ug/L		108	73 - 126
1,1,2,2-Tetrachloroethane	25.0	21.3		ug/L		85	76 - 120
1,1,2-Trichloroethane	25.0	23.1		ug/L		92	76 - 122
1,1,2-Trichloro-1,2,2-trifluoroethane	25.0	28.8		ug/L		115	61 - 148
1,1-Dichloroethane	25.0	26.3		ug/L		105	77 - 120
1,1-Dichloroethene	25.0	28.5		ug/L		114	66 - 127
1,2,4-Trichlorobenzene	25.0	22.8		ug/L		91	79 - 122
1,2-Dibromo-3-Chloropropane	25.0	17.6		ug/L		70	56 - 134
1,2-Dibromoethane	25.0	24.2		ug/L		97	77 - 120
1,2-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 124
1,2-Dichloroethane	25.0	24.1		ug/L		96	75 - 120
1,2-Dichloropropane	25.0	25.9		ug/L		104	76 - 120
1,3-Dichlorobenzene	25.0	23.1		ug/L		92	77 - 120
1,4-Dichlorobenzene	25.0	23.8		ug/L		95	80 - 120
2-Hexanone	125	104		ug/L		83	65 - 127
2-Butanone (MEK)	125	114		ug/L		91	57 - 140
4-Methyl-2-pentanone (MIBK)	125	102		ug/L		82	71 - 125
Acetone	125	114		ug/L		91	56 - 142
Benzene	25.0	26.5		ug/L		106	71 - 124
Bromodichloromethane	25.0	28.7		ug/L		115	80 - 122
Bromoform	25.0	24.3		ug/L		97	61 - 132
Bromomethane	25.0	30.8		ug/L		123	55 - 144
Carbon disulfide	25.0	28.3		ug/L		113	59 - 134
Carbon tetrachloride	25.0	27.1		ug/L		108	72 - 134
Chlorobenzene	25.0	24.5		ug/L		98	80 - 120
Dibromochloromethane	25.0	25.0		ug/L		100	75 - 125
Chloroethane	25.0	30.8		ug/L		123	69 - 136
Chloroform	25.0	28.3		ug/L		113	73 - 127
Chloromethane	25.0	29.7		ug/L		119	68 - 124
cis-1,2-Dichloroethene	25.0	26.7		ug/L		107	74 - 124
cis-1,3-Dichloropropene	25.0	26.8		ug/L		107	74 - 124
Cyclohexane	25.0	24.6		ug/L		99	59 - 135
Dichlorodifluoromethane	25.0	29.6		ug/L		118	59 - 135
Ethylbenzene	25.0	23.2		ug/L		93	77 - 123
Isopropylbenzene	25.0	22.6		ug/L		91	77 - 122
Methyl acetate	50.0	44.8		ug/L		90	74 - 133
Methyl tert-butyl ether	25.0	25.9		ug/L		104	77 - 120
Methylcyclohexane	25.0	27.4		ug/L		110	68 - 134
Methylene Chloride	25.0	27.0		ug/L		108	75 - 124
Styrene	25.0	24.1		ug/L		96	80 - 120
Tetrachloroethene	25.0	25.1		ug/L		100	74 - 122
Toluene	25.0	23.6		ug/L		94	80 - 122
trans-1,2-Dichloroethene	25.0	28.9		ug/L		116	73 - 127
Trichloroethene	25.0	28.4		ug/L		114	74 - 123
Trichlorofluoromethane	25.0	28.5		ug/L		114	62 - 150
Vinyl chloride	25.0	28.8		ug/L		115	65 - 133

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 480-395565/5
Matrix: Water
Analysis Batch: 395565

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
1,2-Dichloroethane-d4 (Surr)	102		77 - 120
Toluene-d8 (Surr)	97		80 - 120
4-Bromofluorobenzene (Surr)	98		73 - 120
Dibromofluoromethane (Surr)	113		75 - 123

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-395494/1-A
Matrix: Water
Analysis Batch: 396374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Biphenyl	ND		5.0	0.65	ug/L		01/11/18 14:49	01/18/18 16:56	1
bis (2-chloroisopropyl) ether	ND		5.0	0.52	ug/L		01/11/18 14:49	01/18/18 16:56	1
2,4-Dichlorophenol	ND		5.0	0.51	ug/L		01/11/18 14:49	01/18/18 16:56	1
2,4-Dimethylphenol	ND		5.0	0.50	ug/L		01/11/18 14:49	01/18/18 16:56	1
2,4-Dinitrophenol	ND		10	2.2	ug/L		01/11/18 14:49	01/18/18 16:56	1
2,4-Dinitrotoluene	ND		5.0	0.45	ug/L		01/11/18 14:49	01/18/18 16:56	1
2,6-Dinitrotoluene	ND		5.0	0.40	ug/L		01/11/18 14:49	01/18/18 16:56	1
2-Chloronaphthalene	ND		5.0	0.46	ug/L		01/11/18 14:49	01/18/18 16:56	1
2-Chlorophenol	ND		5.0	0.53	ug/L		01/11/18 14:49	01/18/18 16:56	1
2,4,5-Trichlorophenol	ND		5.0	0.48	ug/L		01/11/18 14:49	01/18/18 16:56	1
2-Methylnaphthalene	ND		5.0	0.60	ug/L		01/11/18 14:49	01/18/18 16:56	1
2,4,6-Trichlorophenol	ND		5.0	0.61	ug/L		01/11/18 14:49	01/18/18 16:56	1
2-Methylphenol	ND		5.0	0.40	ug/L		01/11/18 14:49	01/18/18 16:56	1
2-Nitroaniline	ND		10	0.42	ug/L		01/11/18 14:49	01/18/18 16:56	1
2-Nitrophenol	ND		5.0	0.48	ug/L		01/11/18 14:49	01/18/18 16:56	1
3,3'-Dichlorobenzidine	ND		5.0	0.40	ug/L		01/11/18 14:49	01/18/18 16:56	1
3-Nitroaniline	ND		10	0.48	ug/L		01/11/18 14:49	01/18/18 16:56	1
4,6-Dinitro-2-methylphenol	ND		10	2.2	ug/L		01/11/18 14:49	01/18/18 16:56	1
4-Bromophenyl phenyl ether	ND		5.0	0.45	ug/L		01/11/18 14:49	01/18/18 16:56	1
4-Chloro-3-methylphenol	ND		5.0	0.45	ug/L		01/11/18 14:49	01/18/18 16:56	1
4-Chloroaniline	ND		5.0	0.59	ug/L		01/11/18 14:49	01/18/18 16:56	1
4-Chlorophenyl phenyl ether	ND		5.0	0.35	ug/L		01/11/18 14:49	01/18/18 16:56	1
4-Methylphenol	ND		10	0.36	ug/L		01/11/18 14:49	01/18/18 16:56	1
4-Nitroaniline	ND		10	0.25	ug/L		01/11/18 14:49	01/18/18 16:56	1
4-Nitrophenol	ND		10	1.5	ug/L		01/11/18 14:49	01/18/18 16:56	1
Acenaphthene	ND		5.0	0.41	ug/L		01/11/18 14:49	01/18/18 16:56	1
Acenaphthylene	ND		5.0	0.38	ug/L		01/11/18 14:49	01/18/18 16:56	1
Acetophenone	ND		5.0	0.54	ug/L		01/11/18 14:49	01/18/18 16:56	1
Anthracene	ND		5.0	0.28	ug/L		01/11/18 14:49	01/18/18 16:56	1
Atrazine	ND		5.0	0.46	ug/L		01/11/18 14:49	01/18/18 16:56	1
Benzaldehyde	ND		5.0	0.27	ug/L		01/11/18 14:49	01/18/18 16:56	1
Benzo(a)anthracene	ND		5.0	0.36	ug/L		01/11/18 14:49	01/18/18 16:56	1
Benzo(a)pyrene	ND		5.0	0.47	ug/L		01/11/18 14:49	01/18/18 16:56	1
Benzo(b)fluoranthene	ND		5.0	0.34	ug/L		01/11/18 14:49	01/18/18 16:56	1
Benzo(g,h,i)perylene	ND		5.0	0.35	ug/L		01/11/18 14:49	01/18/18 16:56	1
Benzo(k)fluoranthene	ND		5.0	0.73	ug/L		01/11/18 14:49	01/18/18 16:56	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 480-395494/1-A
Matrix: Water
Analysis Batch: 396374

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395494

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	ND		5.0	0.35	ug/L		01/11/18 14:49	01/18/18 16:56	1
Bis(2-chloroethyl)ether	ND		5.0	0.40	ug/L		01/11/18 14:49	01/18/18 16:56	1
Bis(2-ethylhexyl) phthalate	ND		5.0	2.2	ug/L		01/11/18 14:49	01/18/18 16:56	1
Butyl benzyl phthalate	ND		5.0	1.0	ug/L		01/11/18 14:49	01/18/18 16:56	1
Caprolactam	ND		5.0	2.2	ug/L		01/11/18 14:49	01/18/18 16:56	1
Carbazole	ND		5.0	0.30	ug/L		01/11/18 14:49	01/18/18 16:56	1
Chrysene	ND		5.0	0.33	ug/L		01/11/18 14:49	01/18/18 16:56	1
Di-n-butyl phthalate	ND		5.0	0.31	ug/L		01/11/18 14:49	01/18/18 16:56	1
Di-n-octyl phthalate	ND		5.0	0.47	ug/L		01/11/18 14:49	01/18/18 16:56	1
Dibenz(a,h)anthracene	ND		5.0	0.42	ug/L		01/11/18 14:49	01/18/18 16:56	1
Dibenzofuran	ND		10	0.51	ug/L		01/11/18 14:49	01/18/18 16:56	1
Diethyl phthalate	ND		5.0	0.22	ug/L		01/11/18 14:49	01/18/18 16:56	1
Dimethyl phthalate	ND		5.0	0.36	ug/L		01/11/18 14:49	01/18/18 16:56	1
Fluoranthene	ND		5.0	0.40	ug/L		01/11/18 14:49	01/18/18 16:56	1
Fluorene	ND		5.0	0.36	ug/L		01/11/18 14:49	01/18/18 16:56	1
Hexachlorobenzene	ND		5.0	0.51	ug/L		01/11/18 14:49	01/18/18 16:56	1
Hexachlorobutadiene	ND		5.0	0.68	ug/L		01/11/18 14:49	01/18/18 16:56	1
Hexachlorocyclopentadiene	ND		5.0	0.59	ug/L		01/11/18 14:49	01/18/18 16:56	1
Hexachloroethane	ND		5.0	0.59	ug/L		01/11/18 14:49	01/18/18 16:56	1
Indeno(1,2,3-cd)pyrene	ND		5.0	0.47	ug/L		01/11/18 14:49	01/18/18 16:56	1
Isophorone	ND		5.0	0.43	ug/L		01/11/18 14:49	01/18/18 16:56	1
N-Nitrosodi-n-propylamine	ND		5.0	0.54	ug/L		01/11/18 14:49	01/18/18 16:56	1
N-Nitrosodiphenylamine	ND		5.0	0.51	ug/L		01/11/18 14:49	01/18/18 16:56	1
Naphthalene	ND		5.0	0.76	ug/L		01/11/18 14:49	01/18/18 16:56	1
Nitrobenzene	ND		5.0	0.29	ug/L		01/11/18 14:49	01/18/18 16:56	1
Pentachlorophenol	ND		10	2.2	ug/L		01/11/18 14:49	01/18/18 16:56	1
Phenanthrene	ND		5.0	0.44	ug/L		01/11/18 14:49	01/18/18 16:56	1
Phenol	ND		5.0	0.39	ug/L		01/11/18 14:49	01/18/18 16:56	1
Pyrene	ND		5.0	0.34	ug/L		01/11/18 14:49	01/18/18 16:56	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*41 - 120*	*01/11/18 14:49*	*01/18/18 16:56*	*1*
2-Fluorobiphenyl	*83*		*48 - 120*	*01/11/18 14:49*	*01/18/18 16:56*	*1*
2-Fluorophenol	*64*		*35 - 120*	*01/11/18 14:49*	*01/18/18 16:56*	*1*
Nitrobenzene-d5	*75*		*46 - 120*	*01/11/18 14:49*	*01/18/18 16:56*	*1*
p-Terphenyl-d14	*101*		*59 - 136*	*01/11/18 14:49*	*01/18/18 16:56*	*1*
Phenol-d5	*48*		*22 - 120*	*01/11/18 14:49*	*01/18/18 16:56*	*1*

Lab Sample ID: LCS 480-395494/2-A
Matrix: Water
Analysis Batch: 396374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Biphenyl	32.0	27.2		ug/L		85	59 - 120
bis (2-chloroisopropyl) ether	32.0	25.7		ug/L		80	21 - 136
2,4-Dichlorophenol	32.0	26.8		ug/L		84	63 - 120
2,4-Dimethylphenol	32.0	28.5		ug/L		89	47 - 120
2,4-Dinitrophenol	64.0	56.8		ug/L		89	31 - 137

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-395494/2-A
Matrix: Water
Analysis Batch: 396374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2,4-Dinitrotoluene	32.0	30.7		ug/L		96	69 - 120
2,6-Dinitrotoluene	32.0	29.6		ug/L		92	68 - 120
2-Chloronaphthalene	32.0	27.0		ug/L		84	58 - 120
2-Chlorophenol	32.0	25.7		ug/L		80	48 - 120
2,4,5-Trichlorophenol	32.0	30.0		ug/L		94	65 - 126
2-Methylnaphthalene	32.0	27.4		ug/L		86	59 - 120
2,4,6-Trichlorophenol	32.0	29.8		ug/L		93	64 - 120
2-Methylphenol	32.0	26.2		ug/L		82	39 - 120
2-Nitroaniline	32.0	29.1		ug/L		91	54 - 127
2-Nitrophenol	32.0	26.2		ug/L		82	52 - 125
3,3'-Dichlorobenzidine	64.0	67.3		ug/L		105	49 - 135
3-Nitroaniline	32.0	26.4		ug/L		82	51 - 120
4,6-Dinitro-2-methylphenol	64.0	59.6		ug/L		93	46 - 136
4-Bromophenyl phenyl ether	32.0	29.6		ug/L		92	65 - 120
4-Chloro-3-methylphenol	32.0	29.9		ug/L		93	61 - 123
4-Chloroaniline	32.0	22.1		ug/L		69	30 - 120
4-Chlorophenyl phenyl ether	32.0	29.5		ug/L		92	62 - 120
4-Methylphenol	32.0	25.8		ug/L		81	29 - 131
4-Nitroaniline	32.0	30.5		ug/L		95	65 - 120
4-Nitrophenol	64.0	47.9		ug/L		75	45 - 120
Acenaphthene	32.0	28.1		ug/L		88	60 - 120
Acenaphthylene	32.0	28.6		ug/L		89	63 - 120
Acetophenone	32.0	27.8		ug/L		87	45 - 120
Anthracene	32.0	29.9		ug/L		93	67 - 120
Atrazine	64.0	70.1		ug/L		109	71 - 130
Benzaldehyde	64.0	55.6		ug/L		87	10 - 140
Benzo(a)anthracene	32.0	30.4		ug/L		95	70 - 121
Benzo(a)pyrene	32.0	29.6		ug/L		93	60 - 123
Benzo(b)fluoranthene	32.0	32.9		ug/L		103	66 - 126
Benzo(g,h,i)perylene	32.0	31.0		ug/L		97	66 - 150
Benzo(k)fluoranthene	32.0	31.5		ug/L		98	65 - 124
Bis(2-chloroethoxy)methane	32.0	27.3		ug/L		85	50 - 128
Bis(2-chloroethyl)ether	32.0	26.3		ug/L		82	44 - 120
Bis(2-ethylhexyl) phthalate	32.0	31.1		ug/L		97	63 - 139
Butyl benzyl phthalate	32.0	31.6		ug/L		99	70 - 129
Caprolactam	64.0	25.4		ug/L		40	22 - 120
Carbazole	32.0	35.7		ug/L		112	66 - 123
Chrysene	32.0	30.4		ug/L		95	69 - 120
Di-n-butyl phthalate	32.0	31.4		ug/L		98	69 - 131
Di-n-octyl phthalate	32.0	31.0		ug/L		97	63 - 140
Dibenz(a,h)anthracene	32.0	29.5		ug/L		92	65 - 135
Dibenzofuran	32.0	28.4		ug/L		89	66 - 120
Diethyl phthalate	32.0	31.3		ug/L		98	59 - 127
Dimethyl phthalate	32.0	30.8		ug/L		96	68 - 120
Fluoranthene	32.0	31.4		ug/L		98	69 - 126
Fluorene	32.0	29.5		ug/L		92	66 - 120
Hexachlorobenzene	32.0	29.6		ug/L		92	61 - 120
Hexachlorobutadiene	32.0	21.3		ug/L		67	35 - 120

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-395494/2-A
Matrix: Water
Analysis Batch: 396374

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395494

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Hexachlorocyclopentadiene	32.0	16.2		ug/L		51	31 - 120
Hexachloroethane	32.0	21.6		ug/L		67	43 - 120
Indeno(1,2,3-cd)pyrene	32.0	29.2		ug/L		91	69 - 146
Isophorone	32.0	29.2		ug/L		91	55 - 120
N-Nitrosodi-n-propylamine	32.0	28.7		ug/L		90	32 - 140
Naphthalene	32.0	26.6		ug/L		83	57 - 120
Nitrobenzene	32.0	27.0		ug/L		84	53 - 123
Pentachlorophenol	64.0	55.8		ug/L		87	29 - 136
Phenanthrene	32.0	30.3		ug/L		95	68 - 120
Phenol	32.0	17.2		ug/L		54	17 - 120
Pyrene	32.0	31.1		ug/L		97	70 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*91*		*41 - 120*
2-Fluorobiphenyl	*85*		*48 - 120*
2-Fluorophenol	*65*		*35 - 120*
Nitrobenzene-d5	*83*		*46 - 120*
p-Terphenyl-d14	*98*		*59 - 136*
Phenol-d5	*53*		*22 - 120*

Lab Sample ID: MB 480-395928/1-A
Matrix: Solid
Analysis Batch: 396235

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395928

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.0025	0.00012	mg/L		01/16/18 09:12	01/17/18 17:48	1
3-Methylphenol	ND		0.0025	0.00010	mg/L		01/16/18 09:12	01/17/18 17:48	1
2,4-Dinitrotoluene	ND		0.0013	0.00011	mg/L		01/16/18 09:12	01/17/18 17:48	1
Pyridine	ND		0.0063	0.00010	mg/L		01/16/18 09:12	01/17/18 17:48	1
2,4,5-Trichlorophenol	ND		0.0013	0.00012	mg/L		01/16/18 09:12	01/17/18 17:48	1
2,4,6-Trichlorophenol	ND		0.0013	0.00015	mg/L		01/16/18 09:12	01/17/18 17:48	1
2-Methylphenol	ND		0.0013	0.00010	mg/L		01/16/18 09:12	01/17/18 17:48	1
4-Methylphenol	ND		0.0025	0.000090	mg/L		01/16/18 09:12	01/17/18 17:48	1
Hexachlorobenzene	ND		0.0013	0.00013	mg/L		01/16/18 09:12	01/17/18 17:48	1
Hexachlorobutadiene	ND		0.0013	0.00017	mg/L		01/16/18 09:12	01/17/18 17:48	1
Hexachloroethane	ND		0.0013	0.00015	mg/L		01/16/18 09:12	01/17/18 17:48	1
Nitrobenzene	ND		0.0013	0.000073	mg/L		01/16/18 09:12	01/17/18 17:48	1
Pentachlorophenol	ND		0.0025	0.00055	mg/L		01/16/18 09:12	01/17/18 17:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*41 - 120*	*01/16/18 09:12*	*01/17/18 17:48*	*1*
2-Fluorobiphenyl	*84*		*48 - 120*	*01/16/18 09:12*	*01/17/18 17:48*	*1*
2-Fluorophenol	*44*		*35 - 120*	*01/16/18 09:12*	*01/17/18 17:48*	*1*
Nitrobenzene-d5	*80*		*46 - 120*	*01/16/18 09:12*	*01/17/18 17:48*	*1*
p-Terphenyl-d14	*92*		*59 - 136*	*01/16/18 09:12*	*01/17/18 17:48*	*1*
Phenol-d5	*31*		*22 - 120*	*01/16/18 09:12*	*01/17/18 17:48*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 480-395928/2-A
Matrix: Solid
Analysis Batch: 396235

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395928

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
1,4-Dichlorobenzene			0.0500	0.0312		mg/L		62	51 - 120		
3-Methylphenol			0.0500	0.0350		mg/L		70	39 - 120		
2,4-Dinitrotoluene			0.0500	0.0472		mg/L		94	69 - 120		
Pyridine			0.100	0.0450		mg/L		45	10 - 120		
2,4,5-Trichlorophenol			0.0500	0.0437		mg/L		87	65 - 126		
2,4,6-Trichlorophenol			0.0500	0.0436		mg/L		87	64 - 120		
2-Methylphenol			0.0500	0.0355		mg/L		71	39 - 120		
4-Methylphenol			0.0500	0.0350		mg/L		70	29 - 131		
Hexachlorobenzene			0.0500	0.0460		mg/L		92	61 - 120		
Hexachlorobutadiene			0.0500	0.0315		mg/L		63	35 - 120		
Hexachloroethane			0.0500	0.0306		mg/L		61	43 - 120		
Nitrobenzene			0.0500	0.0408		mg/L		82	53 - 123		
Pentachlorophenol			0.100	0.0905		mg/L		91	29 - 136		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*90*		*41 - 120*
2-Fluorobiphenyl	*81*		*48 - 120*
2-Fluorophenol	*46*		*35 - 120*
Nitrobenzene-d5	*79*		*46 - 120*
p-Terphenyl-d14	*97*		*59 - 136*
Phenol-d5	*34*		*22 - 120*

Lab Sample ID: LCSD 480-395928/3-A
Matrix: Solid
Analysis Batch: 396235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 395928

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			0.0500	0.0309		mg/L		62	51 - 120	1	36
3-Methylphenol			0.0500	0.0322		mg/L		64	39 - 120	8	30
2,4-Dinitrotoluene			0.0500	0.0445		mg/L		89	69 - 120	6	20
Pyridine			0.100	0.0383		mg/L		38	10 - 120	16	49
2,4,5-Trichlorophenol			0.0500	0.0415		mg/L		83	65 - 126	5	18
2,4,6-Trichlorophenol			0.0500	0.0394		mg/L		79	64 - 120	10	19
2-Methylphenol			0.0500	0.0335		mg/L		67	39 - 120	6	27
4-Methylphenol			0.0500	0.0322		mg/L		64	29 - 131	8	24
Hexachlorobenzene			0.0500	0.0469		mg/L		94	61 - 120	2	15
Hexachlorobutadiene			0.0500	0.0299		mg/L		60	35 - 120	5	44
Hexachloroethane			0.0500	0.0297		mg/L		59	43 - 120	3	46
Nitrobenzene			0.0500	0.0368		mg/L		74	53 - 123	10	24
Pentachlorophenol			0.100	0.0933		mg/L		93	29 - 136	3	37

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*84*		*41 - 120*
2-Fluorobiphenyl	*77*		*48 - 120*
2-Fluorophenol	*43*		*35 - 120*
Nitrobenzene-d5	*71*		*46 - 120*
p-Terphenyl-d14	*89*		*59 - 136*

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 480-395928/3-A
Matrix: Solid
Analysis Batch: 396235

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 395928

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Phenol-d5	*30*		*22 - 120*

Lab Sample ID: LB 480-395773/1-C
Matrix: Solid
Analysis Batch: 396235

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 395928

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dichlorobenzene	ND		0.010	0.00046	mg/L		01/16/18 09:12	01/17/18 19:08	1
3-Methylphenol	ND		0.010	0.00040	mg/L		01/16/18 09:12	01/17/18 19:08	1
2,4-Dinitrotoluene	ND		0.0050	0.00045	mg/L		01/16/18 09:12	01/17/18 19:08	1
Pyridine	ND		0.025	0.00041	mg/L		01/16/18 09:12	01/17/18 19:08	1
2,4,5-Trichlorophenol	ND		0.0050	0.00048	mg/L		01/16/18 09:12	01/17/18 19:08	1
2,4,6-Trichlorophenol	ND		0.0050	0.00061	mg/L		01/16/18 09:12	01/17/18 19:08	1
2-Methylphenol	ND		0.0050	0.00040	mg/L		01/16/18 09:12	01/17/18 19:08	1
4-Methylphenol	ND		0.010	0.00036	mg/L		01/16/18 09:12	01/17/18 19:08	1
Hexachlorobenzene	ND		0.0050	0.00051	mg/L		01/16/18 09:12	01/17/18 19:08	1
Hexachlorobutadiene	ND		0.0050	0.00068	mg/L		01/16/18 09:12	01/17/18 19:08	1
Hexachloroethane	ND		0.0050	0.00059	mg/L		01/16/18 09:12	01/17/18 19:08	1
Nitrobenzene	ND		0.0050	0.00029	mg/L		01/16/18 09:12	01/17/18 19:08	1
Pentachlorophenol	ND		0.010	0.0022	mg/L		01/16/18 09:12	01/17/18 19:08	1

Surrogate	*LB %Recovery*	*LB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*41 - 120*	*01/16/18 09:12*	*01/17/18 19:08*	*1*
2-Fluorobiphenyl	*85*		*48 - 120*	*01/16/18 09:12*	*01/17/18 19:08*	*1*
2-Fluorophenol	*47*		*35 - 120*	*01/16/18 09:12*	*01/17/18 19:08*	*1*
Nitrobenzene-d5	*84*		*46 - 120*	*01/16/18 09:12*	*01/17/18 19:08*	*1*
p-Terphenyl-d14	*99*		*59 - 136*	*01/16/18 09:12*	*01/17/18 19:08*	*1*
Phenol-d5	*31*		*22 - 120*	*01/16/18 09:12*	*01/17/18 19:08*	*1*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-395351/1-A
Matrix: Water
Analysis Batch: 395599

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395351

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/11/18 07:25	01/11/18 17:32	1
Barium	ND		0.0020	0.00070	mg/L		01/11/18 07:25	01/11/18 17:32	1
Cadmium	ND		0.0020	0.00050	mg/L		01/11/18 07:25	01/11/18 17:32	1
Chromium	ND		0.0040	0.0010	mg/L		01/11/18 07:25	01/11/18 17:32	1
Lead	ND		0.010	0.0030	mg/L		01/11/18 07:25	01/11/18 17:32	1
Selenium	ND		0.025	0.0087	mg/L		01/11/18 07:25	01/11/18 17:32	1
Silver	ND		0.0060	0.0017	mg/L		01/11/18 07:25	01/11/18 17:32	1

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCS 480-395351/2-A
Matrix: Water
Analysis Batch: 395599

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395351

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	0.200	0.195		mg/L		97	80 - 120
Barium	0.200	0.195		mg/L		98	80 - 120
Cadmium	0.200	0.192		mg/L		96	80 - 120
Chromium	0.200	0.194		mg/L		97	80 - 120
Lead	0.200	0.193		mg/L		97	80 - 120
Selenium	0.200	0.195		mg/L		97	80 - 120
Silver	0.0500	0.0498		mg/L		100	80 - 120

Lab Sample ID: MB 480-395933/2-A
Matrix: Solid
Analysis Batch: 396318

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395933

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/16/18 09:48	01/18/18 04:31	1
Barium	ND		1.0	0.10	mg/L		01/16/18 09:48	01/18/18 04:31	1
Cadmium	ND		0.0020	0.00050	mg/L		01/16/18 09:48	01/18/18 04:31	1
Chromium	ND		0.020	0.010	mg/L		01/16/18 09:48	01/18/18 04:31	1
Lead	ND		0.020	0.0030	mg/L		01/16/18 09:48	01/18/18 04:31	1
Selenium	ND		0.025	0.0087	mg/L		01/16/18 09:48	01/18/18 04:31	1
Silver	ND		0.0060	0.0017	mg/L		01/16/18 09:48	01/18/18 04:31	1

Lab Sample ID: LCS 480-395933/3-A
Matrix: Solid
Analysis Batch: 396318

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395933

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	1.00	1.09		mg/L		109	80 - 120
Barium	1.00	0.894	J	mg/L		89	80 - 120
Cadmium	1.00	1.10		mg/L		110	80 - 120
Chromium	1.00	0.963		mg/L		96	80 - 120
Lead	1.00	0.989		mg/L		99	80 - 120
Selenium	1.00	1.05		mg/L		105	80 - 120
Silver	1.00	1.03		mg/L		103	80 - 120

Lab Sample ID: LB 480-395773/1-D
Matrix: Solid
Analysis Batch: 396318

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 395933

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		0.015	0.0056	mg/L		01/16/18 09:48	01/18/18 04:16	1
Barium	ND		1.0	0.10	mg/L		01/16/18 09:48	01/18/18 04:16	1
Cadmium	ND		0.0020	0.00050	mg/L		01/16/18 09:48	01/18/18 04:16	1
Chromium	ND		0.020	0.010	mg/L		01/16/18 09:48	01/18/18 04:16	1
Lead	ND		0.020	0.0030	mg/L		01/16/18 09:48	01/18/18 04:16	1
Selenium	ND		0.025	0.0087	mg/L		01/16/18 09:48	01/18/18 04:16	1
Silver	ND		0.0060	0.0017	mg/L		01/16/18 09:48	01/18/18 04:16	1

Method: 7470A - TCLP Mercury

Lab Sample ID: MB 480-395966/2-A
Matrix: Solid
Analysis Batch: 396049

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395966

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/16/18 13:10	01/16/18 16:15	1

Lab Sample ID: LCS 480-395966/3-A
Matrix: Solid
Analysis Batch: 396049

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395966

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00668	0.00612		mg/L		92	80 - 120

Lab Sample ID: LB 480-395773/1-E
Matrix: Solid
Analysis Batch: 396049

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 395966

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/16/18 13:10	01/16/18 16:13	1

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 480-395449/1-A
Matrix: Water
Analysis Batch: 395658

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395449

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.00020	0.00012	mg/L		01/11/18 12:40	01/11/18 17:00	1

Lab Sample ID: LCS 480-395449/2-A
Matrix: Water
Analysis Batch: 395658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395449

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00667	0.00705		mg/L		106	80 - 120

Method: 1010A - Ignitability, Pensky-Martens Closed-Cup Method

Lab Sample ID: LCS 480-395366/1
Matrix: Solid
Analysis Batch: 395366

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Flashpoint	81.0	82.00		Degrees F		101	97.5 - 102.5

Method: 9012 - Cyanide, Reactive

Lab Sample ID: MB 480-395741/1-A
Matrix: Solid
Analysis Batch: 395874

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395741

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cyanide, Reactive	ND		10.0	10.0	mg/L		01/15/18 05:34	01/15/18 14:47	1

Lab Sample ID: LCS 480-395741/2-A
Matrix: Solid
Analysis Batch: 395874

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395741

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Cyanide, Reactive	1000	ND		mg/L		19	10 - 100

Method: 9034 - Sulfide, Reactive

Lab Sample ID: MB 480-395742/1-A
Matrix: Solid
Analysis Batch: 395878

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 395742

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfide, Reactive	ND		10.0	10.0	mg/L		01/15/18 05:34	01/15/18 12:30	1

Lab Sample ID: LCS 480-395742/2-A
Matrix: Solid
Analysis Batch: 395878

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 395742

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfide, Reactive	740	721.4		mg/L		97	10 - 100

Method: 9040C - pH

Lab Sample ID: LCS 480-395647/1
Matrix: Water
Analysis Batch: 395647

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.040		SU		101	99 - 101

Lab Sample ID: 460-148055-1 DU
Matrix: Water
Analysis Batch: 395647

Client Sample ID: RW-D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
pH	7.83	HF	7.860		SU		0.4	5
Temperature	20.7	HF	20.76		Degrees C		0.1	10

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Method: 9045D - pH

Lab Sample ID: LCS 480-396006/1
Matrix: Solid
Analysis Batch: 396006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
pH	7.00	7.0		SU		100	99 - 101

GC/MS VOA

Analysis Batch: 395370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	8260C	
MB 480-395370/7	Method Blank	Total/NA	Water	8260C	
LCS 480-395370/5	Lab Control Sample	Total/NA	Water	8260C	

Analysis Batch: 395565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1 - DL	RW-D	Total/NA	Water	8260C	
MB 480-395565/7	Method Blank	Total/NA	Water	8260C	
LCS 480-395565/5	Lab Control Sample	Total/NA	Water	8260C	

Leach Batch: 395779

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	1311	
LB 480-395779/1-A	Method Blank	TCLP	Solid	1311	
460-148055-2 MS	RW-D PPE	TCLP	Solid	1311	
460-148055-2 MSD	RW-D PPE	TCLP	Solid	1311	

Analysis Batch: 396097

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	8260C	395779
LB 480-395779/1-A	Method Blank	TCLP	Solid	8260C	395779
MB 480-396097/7	Method Blank	Total/NA	Solid	8260C	
LCS 480-396097/5	Lab Control Sample	Total/NA	Solid	8260C	
460-148055-2 MS	RW-D PPE	TCLP	Solid	8260C	395779
460-148055-2 MSD	RW-D PPE	TCLP	Solid	8260C	395779

GC/MS Semi VOA

Prep Batch: 395494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1 - DL	RW-D	Total/NA	Water	3510C	
460-148055-1	RW-D	Total/NA	Water	3510C	
MB 480-395494/1-A	Method Blank	Total/NA	Water	3510C	
LCS 480-395494/2-A	Lab Control Sample	Total/NA	Water	3510C	

Leach Batch: 395773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	1311	
LB 480-395773/1-C	Method Blank	TCLP	Solid	1311	

Prep Batch: 395928

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	3510C	395773
LB 480-395773/1-C	Method Blank	TCLP	Solid	3510C	395773
MB 480-395928/1-A	Method Blank	Total/NA	Solid	3510C	
LCS 480-395928/2-A	Lab Control Sample	Total/NA	Solid	3510C	
LCSD 480-395928/3-A	Lab Control Sample Dup	Total/NA	Solid	3510C	

GC/MS Semi VOA (Continued)

Analysis Batch: 396235

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	8270D	395928
LB 480-395773/1-C	Method Blank	TCLP	Solid	8270D	395928
MB 480-395928/1-A	Method Blank	Total/NA	Solid	8270D	395928
LCS 480-395928/2-A	Lab Control Sample	Total/NA	Solid	8270D	395928
LCSD 480-395928/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	395928

Analysis Batch: 396374

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	8270D	395494
MB 480-395494/1-A	Method Blank	Total/NA	Water	8270D	395494
LCS 480-395494/2-A	Lab Control Sample	Total/NA	Water	8270D	395494

Analysis Batch: 396422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1 - DL	RW-D	Total/NA	Water	8270D	395494

Metals

Prep Batch: 395351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	3005A	
MB 480-395351/1-A	Method Blank	Total/NA	Water	3005A	
LCS 480-395351/2-A	Lab Control Sample	Total/NA	Water	3005A	

Prep Batch: 395449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	7470A	
MB 480-395449/1-A	Method Blank	Total/NA	Water	7470A	
LCS 480-395449/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 395599

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	6010C	395351
MB 480-395351/1-A	Method Blank	Total/NA	Water	6010C	395351
LCS 480-395351/2-A	Lab Control Sample	Total/NA	Water	6010C	395351

Analysis Batch: 395658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	7470A	395449
MB 480-395449/1-A	Method Blank	Total/NA	Water	7470A	395449
LCS 480-395449/2-A	Lab Control Sample	Total/NA	Water	7470A	395449

Leach Batch: 395773

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	1311	
LB 480-395773/1-D	Method Blank	TCLP	Solid	1311	
LB 480-395773/1-E	Method Blank	TCLP	Solid	1311	

Metals (Continued)

Prep Batch: 395933

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	3010A	395773
LB 480-395773/1-D	Method Blank	TCLP	Solid	3010A	395773
MB 480-395933/2-A	Method Blank	Total/NA	Solid	3010A	
LCS 480-395933/3-A	Lab Control Sample	Total/NA	Solid	3010A	

Prep Batch: 395966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	7470A	395773
LB 480-395773/1-E	Method Blank	TCLP	Solid	7470A	395773
MB 480-395966/2-A	Method Blank	Total/NA	Solid	7470A	
LCS 480-395966/3-A	Lab Control Sample	Total/NA	Solid	7470A	

Analysis Batch: 396049

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	7470A	395966
LB 480-395773/1-E	Method Blank	TCLP	Solid	7470A	395966
MB 480-395966/2-A	Method Blank	Total/NA	Solid	7470A	395966
LCS 480-395966/3-A	Lab Control Sample	Total/NA	Solid	7470A	395966

Analysis Batch: 396318

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	TCLP	Solid	6010C	395933
LB 480-395773/1-D	Method Blank	TCLP	Solid	6010C	395933
MB 480-395933/2-A	Method Blank	Total/NA	Solid	6010C	395933
LCS 480-395933/3-A	Lab Control Sample	Total/NA	Solid	6010C	395933

General Chemistry

Analysis Batch: 395366

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	1010A	
460-148055-2	RW-D PPE	Total/NA	Solid	1010A	
LCS 480-395366/1	Lab Control Sample	Total/NA	Solid	1010A	

Analysis Batch: 395647

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	9040C	
LCS 480-395647/1	Lab Control Sample	Total/NA	Water	9040C	
460-148055-1 DU	RW-D	Total/NA	Water	9040C	

Prep Batch: 395741

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	7.3.3	
460-148055-2	RW-D PPE	Total/NA	Solid	7.3.3	
MB 480-395741/1-A	Method Blank	Total/NA	Solid	7.3.3	
LCS 480-395741/2-A	Lab Control Sample	Total/NA	Solid	7.3.3	

Prep Batch: 395742

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	7.3.4	

General Chemistry (Continued)

Prep Batch: 395742 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	Total/NA	Solid	7.3.4	
MB 480-395742/1-A	Method Blank	Total/NA	Solid	7.3.4	
LCS 480-395742/2-A	Lab Control Sample	Total/NA	Solid	7.3.4	

Analysis Batch: 395874

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	9012	395741
460-148055-2	RW-D PPE	Total/NA	Solid	9012	395741
MB 480-395741/1-A	Method Blank	Total/NA	Solid	9012	395741
LCS 480-395741/2-A	Lab Control Sample	Total/NA	Solid	9012	395741

Analysis Batch: 395878

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-1	RW-D	Total/NA	Water	9034	395742
460-148055-2	RW-D PPE	Total/NA	Solid	9034	395742
MB 480-395742/1-A	Method Blank	Total/NA	Solid	9034	395742
LCS 480-395742/2-A	Lab Control Sample	Total/NA	Solid	9034	395742

Analysis Batch: 396006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-148055-2	RW-D PPE	Total/NA	Solid	9045D	
LCS 480-396006/1	Lab Control Sample	Total/NA	Solid	9045D	

Lab Chronicle

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Client Sample ID: RW-D

Date Collected: 01/08/18 13:00
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		200	395370	01/11/18 13:13	RLB	TAL BUF
Total/NA	Analysis	8260C	DL	800	395565	01/12/18 16:25	RLB	TAL BUF
Total/NA	Prep	3510C			395494	01/11/18 14:49	ATG	TAL BUF
Total/NA	Analysis	8270D		20	396374	01/18/18 19:22	RJS	TAL BUF
Total/NA	Prep	3510C	DL		395494	01/11/18 14:49	ATG	TAL BUF
Total/NA	Analysis	8270D	DL	500	396422	01/19/18 12:24	RJS	TAL BUF
Total/NA	Prep	3005A			395351	01/11/18 07:25	EMB	TAL BUF
Total/NA	Analysis	6010C		1	395599	01/11/18 18:57	AMH	TAL BUF
Total/NA	Prep	7470A			395449	01/11/18 12:40	EMB	TAL BUF
Total/NA	Analysis	7470A		1	395658	01/11/18 17:05	BMB	TAL BUF
Total/NA	Analysis	1010A		1	395366	01/11/18 08:01	BEV	TAL BUF
Total/NA	Prep	7.3.3			395741	01/15/18 05:34	BEV	TAL BUF
Total/NA	Analysis	9012		1	395874	01/15/18 14:47	MDL	TAL BUF
Total/NA	Prep	7.3.4			395742	01/15/18 05:34	BEV	TAL BUF
Total/NA	Analysis	9034		1	395878	01/15/18 12:30	MDL	TAL BUF
Total/NA	Analysis	9040C		1	395647	01/12/18 11:20	ALZ	TAL BUF

Client Sample ID: RW-D PPE

Date Collected: 01/08/18 13:05
Date Received: 01/08/18 19:20

Lab Sample ID: 460-148055-2

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
TCLP	Leach	1311			395779	01/15/18 08:36	NMC	TAL BUF
TCLP	Analysis	8260C		20	396097	01/17/18 15:02	ARS	TAL BUF
TCLP	Leach	1311			395773	01/15/18 08:31	NMC	TAL BUF
TCLP	Prep	3510C			395928	01/16/18 09:12	JMP	TAL BUF
TCLP	Analysis	8270D		1	396235	01/17/18 19:35	DMR	TAL BUF
TCLP	Leach	1311			395773	01/15/18 08:31	NMC	TAL BUF
TCLP	Prep	3010A			395933	01/16/18 09:48	EMB	TAL BUF
TCLP	Analysis	6010C		1	396318	01/18/18 05:15	AMH	TAL BUF
TCLP	Leach	1311			395773	01/15/18 08:31	NMC	TAL BUF
TCLP	Prep	7470A			395966	01/16/18 13:10	EMB	TAL BUF
TCLP	Analysis	7470A		1	396049	01/16/18 16:29	BMB	TAL BUF
Total/NA	Analysis	1010A		1	395366	01/11/18 08:01	BEV	TAL BUF
Total/NA	Prep	7.3.3			395741	01/15/18 05:34	BEV	TAL BUF
Total/NA	Analysis	9012		1	395874	01/15/18 14:47	MDL	TAL BUF
Total/NA	Prep	7.3.4			395742	01/15/18 05:34	BEV	TAL BUF
Total/NA	Analysis	9034		1	395878	01/15/18 12:30	MDL	TAL BUF
Total/NA	Analysis	9045D		1	396006	01/16/18 10:03	DSC	TAL BUF

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Laboratory: TestAmerica Edison

All accreditations/certifications held by this laboratory are listed. Not all accreditations/certifications are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Connecticut	State Program	1	PH-0200	09-30-18
DE Haz. Subst. Cleanup Act (HSCA)	State Program	3	N/A	12-31-18
New Jersey	NELAP	2	12028	06-30-18
New York	NELAP	2	11452	04-01-18
Pennsylvania	NELAP	3	68-00522	02-28-18
Rhode Island	State Program	1	LAO00132	12-30-17 *
USDA	Federal		NJCA-003-08	06-13-20

Laboratory: TestAmerica Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	EPA Region	Identification Number	Expiration Date
New York	NELAP	2	10026	03-31-18

The following analytes are included in this report, but accreditation/certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
1010A		Water	Flashpoint
7470A	7470A	Solid	Mercury
9012	7.3.3	Solid	Cyanide, Reactive
9012	7.3.3	Water	Cyanide, Reactive
9034	7.3.4	Solid	Sulfide, Reactive
9034	7.3.4	Water	Sulfide, Reactive
9040C		Water	pH
9040C		Water	Temperature
9045D		Solid	Temperature

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

Method Summary

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL BUF
8260C	TCLP Volatiles	SW846	TAL BUF
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL BUF
6010C	Metals (ICP)	SW846	TAL BUF
7470A	Mercury (CVAA)	SW846	TAL BUF
7470A	TCLP Mercury	SW846	TAL BUF
1010A	Ignitability, Pensky-Martens Closed-Cup Method	SW846	TAL BUF
9012	Cyanide, Reactive	SW846	TAL BUF
9034	Sulfide, Reactive	SW846	TAL BUF
9040C	pH	SW846	TAL BUF
9045D	pH	SW846	TAL BUF

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL BUF = TestAmerica Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: ARCADIS U.S. Inc
Project/Site: Ossining, NY Project CON EDISON

TestAmerica Job ID: 460-148055-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-148055-1	RW-D	Water	01/08/18 13:00	01/08/18 19:20
460-148055-2	RW-D PPE	Solid	01/08/18 13:05	01/08/18 19:20

TestAmerica Buffalo
10 Hazelwood Drive
Amherst, NY 14228-2298
Phone (716) 691-2600 Fax (716) 691-7991

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information	Sampler: NADEEM BANDA	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 480-107062-25181.1
Client Contact: Nadeem Banda	Phone: 734-239-3523	E-Mail: melissa.deyo@testamericainc.com		Page: Page 1 of 1
Company: ARCADIS U.S., Inc.				Job #: 148055
Address: 44 South Broadway 15 Floor	Due Date Requested:			
City: White Plains	TAT Requested (days): STANDARD			
State, Zip: NY, 10601				
Phone: 734-239-3523	PO #: Purchase Order Requested			
Email: Nadeem.Banda@arcadis.com	WO #: B0043025.0020.00010			
Project Name: Ossining, NY Project → CON EDISON	Project #: 48017341			
Site: OSSINING, NY	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	8270D - TCL SVOCs	6010C, 7470A	8260C - TCL VOCs	9012_ReactiveCN, 9034_Reactive	9040C - pH	1010A - Ignitability	6010C, 7470A, 8270D	8260C - TCLP Volatiles	1010A, 9045D	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N	D	A	N	N	N	N	N	N		
RW-D	1/8/17	13:00	G	Water		2	1	3	1	1	1	—	—	—	9	1
RW-D PPE	1/8/17	13:05	G	Solid		—	—	—	1	—	—	1	1	1	4	2

460-148055 Chain of Custody

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements: CUSTODY SEAL 997770

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by: NADEEM BANDA	Date/Time: 1/8/18	14:50	Company: ARCADIS	Received by:	Date/Time: 1/8/18	1456	Company: TA Edi
Relinquished by: Zcash	Date/Time: 1/8/18	1920	Company: TA Edi	Received by: Marleny Arenle	Date/Time: 1/8/18	1920	Company: TA, EDI
Relinquished by:	Date/Time:		Company	Received by:	Date/Time:		Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: IR #9 3.7°C

Ver: 08/04/2016

TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 148055

Number of Coolers: 1 **IR Gun #** 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	3.7 °C	3.7 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
1				<2											

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

Initials: ZI **Date:** 1/8/18

TestAmerica Edison
777 New Durham Road
Edison, NJ 08817
Phone (732) 549-3900 Fax (732) 549-3679

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Deyo, Melissa L	Carrier Tracking No(s):	COC No: 460-50490.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: melissa.deyo@testamericainc.com	State of Origin: New York	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - New York		Job #: 460-148055-1
Address: 10 Hazelwood Drive, ,	Due Date Requested: 1/18/2018			
City: Amherst	TAT Requested (days):			
State, Zip: NY, 14228-2298				
Phone: 716-691-2600(Tel) 716-691-7991(Fax)	PO #:			
Email:	WO #:			
Project Name: Ossining, NY Project	Project #: 48017341			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	8260C/5030C TCL VOCs	8270D/3610C_LVI TCL SVOCs	6010C/3005A_TOT RCRA Metals	7470A/7470A_Prep Mercury	9012_ReactiveCN/7.3.3 Reactive Cyanide	9034_Reactive/7.3.4 Reactive Sulfide	1010A/ Ignitability	9040C/ pH	8260C/1311_Z TCLP Volatiles	8270D/1311_T TCLP Semivolatiles	6010C/1311T_M TCLP Metals	7470A/1311T_Hg TCLP Mercury	9045D/ pH	Total Number of containers	Special Instructions/Note:
			Preservation Code:																		
RW-D (460-148055-1)	1/8/18	13:00 Eastern		Water			X	X	X	X	X	X	X	X						9	
RW-D PPE (460-148055-2)	1/8/18	13:05 Eastern		Solid							X	X	X		X	X	X	X	X	4	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1		1/9/18 1800	TAEdi		1/10/18 1000	TA Buf.
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: #1 2.9°

Ver: 09/20/2016

1/22/2018

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 460-148055-1

Login Number: 148055

List Source: TestAmerica Edison

List Number: 2

Creator: Infante, Warleny M

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	CS# 997770
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

Login Sample Receipt Checklist

Client: ARCADIS U.S. Inc

Job Number: 460-148055-1

Login Number: 148055
List Number: 3
Creator: Hulbert, Michael J

List Source: TestAmerica Buffalo
List Creation: 01/10/18 04:46 PM

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	2.9 #1
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	N/A	
Chlorine Residual checked.	N/A	

Arcadis U.S., Inc.

One Lincoln Center

110 West Fayette Street

Suite 300

Syracuse, New York 13202

Tel 315 446 9120

Fax 315 449 0017

www.arcadis.com

Appendix C:
NYSDEC Correspondence

From: Steve Byszewski
Sent: Tuesday, May 31, 2016 9:48 AM
To: Joseph Scardino
Subject: FW: The Harbor Square Site - Site ID C360091 Ossining, NY

Regards,
Steve B.

SESI CONSULTING ENGINEERS

Steven P. Byszewski, PE, PP
President
SESI CONSULTING ENGINEERS
12A Maple Avenue
Pine Brook, NJ 07058

Phone: (973)-808-9050
Fax: (973)-808-9099
spb@sesi.org
www.sesi.org

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From: Hubicki, Matthew S (DEC) [mailto:matthew.hubicki@dec.ny.gov]
Sent: Thursday, April 28, 2016 3:45 PM
To: Steve Byszewski
Subject: RE: The Harbor Square Site - Site ID C360091 Ossining, NY

Steve,

Yes, that sounds fine. Mostly looking at SVOCs & VOCs.
Go ahead and change the sampling regime & make a note in this PRR.

Thanks
Matt

Matthew Hubicki
Project Manager, Remedial Bureau C
Division of Environmental Remediation

New York State Department of Environmental Conservation
625 Broadway, Albany, NY 12233-7014
P: 518-402-9605 | F: 518-402-9679 | matthew.hubicki@dec.ny.gov

www.dec.ny.gov |

From: Steve Byszewski [mailto:spb@sesi.org]
Sent: Thursday, April 28, 2016 3:25 PM
To: Hubicki, Matthew S (DEC)
Subject: The Harbor Square Site - Site ID C360091 Ossining, NY

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Matt:

While scheduling the GW sampling event for Harbor Square, I noticed that the GW analyses have included metals.

In looking at the previous metals results I see that:

- in 2014 there were no exceedences for Metals, and
- in 2015, there was only one single Metals exceedence in one well: that was for Antimony (NYTOGS Water Qual Std is 3 ppb- analysis showed 3.6 ppb).

On the basis that Metals are not showing up and the contaminants of concern from ConEd's historic activities are VOCs and SVOCs –I am requesting that we not analyze for Metals going forward.

Thanks for looking into this for me.

Regards,
Steve B.

SESI CONSULTING ENGINEERS

Steven P. Byszewski, PE, PP
President
SESI CONSULTING ENGINEERS
12A Maple Avenue
Pine Brook, NJ 07058

Phone: (973)-808-9050
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NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Remedial Bureau C
625 Broadway, 11th Floor, Albany, NY 12233-7014
P: (518) 402-9662 I F: (518) 402-9679
www.dec.ny.gov

August 8, 2016

Harbor Square Crossings, LLC
Mr. Martin Ginsburg
c/o Ginsburg Development Companies LLC
100 Summit Lake Drive, Suite 100
Valhalla, NY 10595
mginsburg@gdcllc.com

Re: 2015 Periodic Review Report
Harbor Square, Site No.: C360091
Ossining, Westchester County

Dear Mr. Ginsburg:

The Department has reviewed your Periodic Review Report (PRR) and IC/EC Certification for following period: June 15, 2014 to June 15, 2016.

The Department hereby accepts the PRR and associated Certification, and DNAPL recovery report.

The frequency of Periodic Reviews for this site has increased to 3 years, your next PRR is due by July 30, 2019. A reminder Letter will be sent out on or about May 30, 2019. The certification period will cover June 15, 2016 to June 15, 2019. Please continue to monitor and replace all current groundwater and perimeter DNAPL recovery wells until the Department approves a modified schedule or deems them acceptable for decommissioning. Also do not wait to provide the groundwater, sub-slab depressurization, and DNAPL results before the 3 year PRR.

If you have any questions, please contact me at (518) 402-9605 or by e-mail: matthew.hubicki@dec.ny.gov

Sincerely,

Matthew Hubicki
NYSDEC Project Engineer/Manager

ec: M. Hubicki/File
Michael St. Pierre, SESI (msp@sesi.org)
Steve Byszewski, SESI (spb@sesi.org)
Valerie Monastra, Village Planning, Ossining (vmonastra@ossbuilding.org)
Edward Moore, NYSDEC Region 3 Hazardous Waste Engineer
David Crosby, NYSDEC Section Chief
Maureen Schuck, NYSDOH BEEI Section Chief
Anthony Perretta, NYSDOH PM
C. Leary, ConEd (learyc@coned.com)
M. Jones, Arcadis (mike.jones@arcadis.com)
M. Hysell (matt.hysell@arcadis.com)

Appendix D:
Laboratory Data Packages

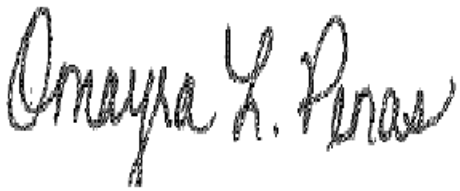
ANALYTICAL REPORT

Job Number: 460-212426-1

Job Description: Harbor Square, Ossining

For:
SESI Consulting Engineers
12 A Maple Avenue
Building B
Pine Brook, NJ 07058

Attention: Joseph Scardino



Approved for release.
Omayra Penas
Senior Project Manager
7/9/2020 10:29 AM

Omayra Penas, Senior Project Manager
777 New Durham Road, Edison, NJ, 08817
(732)593-2538
Omayra.Penas@Eurofinset.com
07/09/2020

The test results in this report meet all NELAP requirements unless specified within the case narrative. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this report should be directed to the TestAmerica Edison Project Manager.

TestAmerica Edison Certifications and Approvals: Connecticut: CTDOH #PH-0200, New Jersey: NJDEP (NELAP) #12028, New York: NYDOH (NELAP) #11452, NYDOH (ELAP) #11452, Pennsylvania: PADEP (NELAP) 68-00522 and Rhode Island: RIDOH LAO00132

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins TestAmerica Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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CASE NARRATIVE

Client: SESI Consulting Engineers

Project: Harbor Square, Ossining

Report Number: 460-212426-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received on 07/01/2020; the samples arrived in good condition, properly preserved and on ice. The temperature of the coolers at receipt was 4.1 C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-2A (460-212426-1), MW-7A (460-212426-2), Dup (460-212426-3) and TB (460-212426-4) were analyzed for Volatile organic compounds (GC-MS) in accordance with EPA SW-846 Methods 8260C. The samples were analyzed on 07/07/2020 and 07/08/2020.

The continuing calibration verification (CCV) analyzed in batch 460-706284 was outside the method criteria for the following analytes: Bromoform (bias high), Vinyl chloride, 1,2,3-Trichlorobenzene, Dichlorodifluoromethane and Chloromethane (bias low). A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for analytical batch 460-706284 recovered outside control limits for 1,2,3-Trichlorobenzene. The analyte was biased high in the LCS/LCSD and was not detected in the associated samples; therefore, the data have been reported.

The continuing calibration verification (CCV) analyzed in batch 460-706558 was outside the method criteria for the following analytes: Vinyl chloride, Dichlorodifluoromethane and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Different containers of sample and dup were analyzed. The results were inconsistent. All analysis are reported: MW-2A (460-212426-1) and Dup (460-212426-3).

The continuing calibration verification (CCV) analyzed in batch 460-706392 was outside the method criteria for the following analytes: 1,2,3-Trichlorobenzene and Chloromethane. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

The laboratory control sample duplicate (LCSD) for analytical batch 460-706392 recovered outside control limit for 1,2,3-Trichlorobenzene. The analyte was biased high in the LCSD and was not detected in the associated samples; therefore, the data have been reported.

1,2,3-Trichlorobenzene was detected in method blank MB 460-706284/10 at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged. If the associated sample reported a result above the MDL and/or RL, the result has been flagged.

Refer to the QC report for details.

No other difficulties were encountered during the volatiles analysis.

All other quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)

Samples MW-2A (460-212426-1), MW-7A (460-212426-2) and Dup (460-212426-3) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270D. The samples were prepared and analyzed on 07/04/2020.

The laboratory control sample (LCS) and / or laboratory control sample duplicate (LCSD) for preparation batch 460-705856 and analytical batch 460-705963 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Benzo[a]pyrene. These analytes were biased high in the LCS/LCSD and were not detected in the associated samples; therefore, the data have been reported.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 460-705856 and analytical batch 460-705963 recovered outside control limits for the following analytes: Atrazine, Benzaldehyde and Caprolactam.

The continuing calibration verification (CCV) analyzed in batch 460-705963 was outside the method criteria for the following analyte(s): 2-Nitroaniline and Benzaldehyde. A CCV standard at or below the reporting limit (RL) was analyzed with the affected samples and found to be acceptable. As indicated in the reference method, sample analysis may proceed; however, any detection for the affected analyte(s) is considered estimated.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: SESI Consulting Engineers
Job ID: 460-212426-1
Project/Site: Harbor Square, Ossining

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
460-212426-1	MW-2A	Water	06/30/20 10:10	07/01/20 16:10	
460-212426-2	MW-7A	Water	06/30/20 11:35	07/01/20 16:10	
460-212426-3	Dup	Water	06/30/20 00:00	07/01/20 16:10	
460-212426-4	TB	Water	06/30/20 00:00	07/01/20 16:10	

Detection Summary

Client: SESI Consulting Engineers
Project/Site: Harbor Square, Ossining

Job ID: 460-212426-1

Client Sample ID: MW-2A — Lab Sample ID: 460-212426-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	7.7		5.0	4.4	ug/L	1		8260C	Total/NA
Benzene	5.5		1.0	0.20	ug/L	1		8260C	Total/NA
Isopropylbenzene	0.88	J	1.0	0.34	ug/L	1		8260C	Total/NA
Acetone - RA	7.9		5.0	4.4	ug/L	1		8260C	Total/NA
Benzene - RA	12		1.0	0.20	ug/L	1		8260C	Total/NA
Isopropylbenzene - RA	1.2		1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: MW-7A — Lab Sample ID: 460-212426-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.1		5.0	4.4	ug/L	1		8260C	Total/NA
MTBE	0.73	J	1.0	0.47	ug/L	1		8260C	Total/NA
Acenaphthene	38		10	1.1	ug/L	1		8270D	Total/NA
Anthracene	4.6	J	10	0.63	ug/L	1		8270D	Total/NA
Dibenzofuran	7.3	J	10	1.1	ug/L	1		8270D	Total/NA
Fluoranthene	5.0	J	10	0.84	ug/L	1		8270D	Total/NA
Fluorene	15		10	0.91	ug/L	1		8270D	Total/NA
Phenanthrene	20		10	0.58	ug/L	1		8270D	Total/NA
Pyrene	4.0	J	10	1.6	ug/L	1		8270D	Total/NA

Client Sample ID: Dup — Lab Sample ID: 460-212426-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.0		5.0	4.4	ug/L	1		8260C	Total/NA
Benzene	20		1.0	0.20	ug/L	1		8260C	Total/NA
Isopropylbenzene	1.1		1.0	0.34	ug/L	1		8260C	Total/NA
Acetone - RA	6.9		5.0	4.4	ug/L	1		8260C	Total/NA
Isopropylbenzene - RA	0.69	J	1.0	0.34	ug/L	1		8260C	Total/NA

Client Sample ID: TB — Lab Sample ID: 460-212426-4

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: SESI Consulting Engineers
Job ID: 460-212426-1
Project/Site: Harbor Square, Ossining

Method	Method Description	Protocol	Laboratory
8260C	Volatile Organic Compounds by GC/MS	SW846	TAL EDI
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	TAL EDI
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	TAL EDI
5030C	Purge and Trap	SW846	TAL EDI

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Client Sample ID: MW-2A

Date Collected: 06/30/20 10:10
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/07/20 03:45	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/07/20 03:45	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 03:45	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/07/20 03:45	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/07/20 03:45	1
1,2,3-Trichlorobenzene	0.36	U *	1.0	0.36	ug/L			07/07/20 03:45	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/07/20 03:45	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/07/20 03:45	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/07/20 03:45	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/07/20 03:45	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 03:45	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/07/20 03:45	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/07/20 03:45	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/07/20 03:45	1
1,4-Dioxane	28	U	50	28	ug/L			07/07/20 03:45	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/07/20 03:45	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/07/20 03:45	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/07/20 03:45	1
Acetone	**7.7**		5.0	4.4	ug/L			07/07/20 03:45	1
Benzene	**5.5**		1.0	0.20	ug/L			07/07/20 03:45	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/07/20 03:45	1
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/07/20 03:45	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/07/20 03:45	1
Bromomethane	0.55	U	1.0	0.55	ug/L			07/07/20 03:45	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/07/20 03:45	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/07/20 03:45	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/07/20 03:45	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/07/20 03:45	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/07/20 03:45	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/07/20 03:45	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/07/20 03:45	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/07/20 03:45	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/07/20 03:45	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/07/20 03:45	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/07/20 03:45	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/07/20 03:45	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/07/20 03:45	1
Isopropylbenzene	**0.88**	**J**	1.0	0.34	ug/L			07/07/20 03:45	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/07/20 03:45	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/07/20 03:45	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/07/20 03:45	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/07/20 03:45	1
MTBE	0.47	U	1.0	0.47	ug/L			07/07/20 03:45	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/07/20 03:45	1
Styrene	0.42	U	1.0	0.42	ug/L			07/07/20 03:45	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/07/20 03:45	1
Toluene	0.38	U	1.0	0.38	ug/L			07/07/20 03:45	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/07/20 03:45	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/07/20 03:45	1

Client Sample ID: MW-2A

Date Collected: 06/30/20 10:10
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/07/20 03:45	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/07/20 03:45	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/07/20 03:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Indane	*18*	*J N*	*ug/L*		*9.52*	*496-11-7*		*07/07/20 03:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 123*		*07/07/20 03:45*	*1*
Bromofluorobenzene	*99*		*76 - 120*		*07/07/20 03:45*	*1*
Dibromofluoromethane (Surr)	*94*		*77 - 124*		*07/07/20 03:45*	*1*
Toluene-d8 (Surr)	*94*		*80 - 120*		*07/07/20 03:45*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/08/20 00:10	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/08/20 00:10	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/08/20 00:10	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/08/20 00:10	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/08/20 00:10	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			07/08/20 00:10	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/08/20 00:10	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/08/20 00:10	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/08/20 00:10	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/08/20 00:10	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/08/20 00:10	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/08/20 00:10	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/08/20 00:10	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/08/20 00:10	1
1,4-Dioxane	28	U	50	28	ug/L			07/08/20 00:10	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/08/20 00:10	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/08/20 00:10	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/08/20 00:10	1
Acetone	**7.9**		5.0	4.4	ug/L			07/08/20 00:10	1
Benzene	**12**		1.0	0.20	ug/L			07/08/20 00:10	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/08/20 00:10	1
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/08/20 00:10	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/08/20 00:10	1
Bromomethane	0.55	U	1.0	0.55	ug/L			07/08/20 00:10	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/08/20 00:10	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/08/20 00:10	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/08/20 00:10	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/08/20 00:10	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/08/20 00:10	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/08/20 00:10	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/08/20 00:10	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/08/20 00:10	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/08/20 00:10	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/08/20 00:10	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/08/20 00:10	1

Client Sample ID: MW-2A

Date Collected: 06/30/20 10:10
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-1

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/08/20 00:10	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/08/20 00:10	1
Isopropylbenzene	**1.2**		1.0	0.34	ug/L			07/08/20 00:10	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/08/20 00:10	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/08/20 00:10	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/08/20 00:10	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/08/20 00:10	1
MTBE	0.47	U	1.0	0.47	ug/L			07/08/20 00:10	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/08/20 00:10	1
Styrene	0.42	U	1.0	0.42	ug/L			07/08/20 00:10	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/08/20 00:10	1
Toluene	0.38	U	1.0	0.38	ug/L			07/08/20 00:10	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/08/20 00:10	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/08/20 00:10	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/08/20 00:10	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/08/20 00:10	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/08/20 00:10	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Indane	*20*	*J N*	*ug/L*		*11.07*	*496-11-7*		*07/08/20 00:10*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*92*		*75 - 123*		*07/08/20 00:10*	*1*
Bromofluorobenzene	*110*		*76 - 120*		*07/08/20 00:10*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*07/08/20 00:10*	*1*
Toluene-d8 (Surr)	*96*		*80 - 120*		*07/08/20 00:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,4-Dinitrophenol	14	U	20	14	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		07/04/20 07:59	07/04/20 22:42	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 22:42	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		07/04/20 07:59	07/04/20 22:42	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 22:42	1
2-Methylphenol	0.67	U	10	0.67	ug/L		07/04/20 07:59	07/04/20 22:42	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		07/04/20 07:59	07/04/20 22:42	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 22:42	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		07/04/20 07:59	07/04/20 22:42	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		07/04/20 07:59	07/04/20 22:42	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		07/04/20 07:59	07/04/20 22:42	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 22:42	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		07/04/20 07:59	07/04/20 22:42	1

Client Sample ID: MW-2A

Date Collected: 06/30/20 10:10
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-1

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chloroaniline	1.9	U	10	1.9	ug/L		07/04/20 07:59	07/04/20 22:42	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		07/04/20 07:59	07/04/20 22:42	1
4-Methylphenol	0.65	U	10	0.65	ug/L		07/04/20 07:59	07/04/20 22:42	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 22:42	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		07/04/20 07:59	07/04/20 22:42	1
Acenaphthene	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 22:42	1
Acenaphthylene	0.82	U	10	0.82	ug/L		07/04/20 07:59	07/04/20 22:42	1
Acetophenone	2.3	U	10	2.3	ug/L		07/04/20 07:59	07/04/20 22:42	1
Anthracene	0.63	U	10	0.63	ug/L		07/04/20 07:59	07/04/20 22:42	1
Atrazine	1.3	U * *1	2.0	1.3	ug/L		07/04/20 07:59	07/04/20 22:42	1
Benzaldehyde	2.1	U * *1	10	2.1	ug/L		07/04/20 07:59	07/04/20 22:42	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		07/04/20 07:59	07/04/20 22:42	1
Benzo[a]pyrene	0.41	U *	1.0	0.41	ug/L		07/04/20 07:59	07/04/20 22:42	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		07/04/20 07:59	07/04/20 22:42	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		07/04/20 07:59	07/04/20 22:42	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		07/04/20 07:59	07/04/20 22:42	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		07/04/20 07:59	07/04/20 22:42	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		07/04/20 07:59	07/04/20 22:42	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		07/04/20 07:59	07/04/20 22:42	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		07/04/20 07:59	07/04/20 22:42	1
Caprolactam	0.68	U *1	10	0.68	ug/L		07/04/20 07:59	07/04/20 22:42	1
Carbazole	0.68	U	10	0.68	ug/L		07/04/20 07:59	07/04/20 22:42	1
Chrysene	0.91	U	2.0	0.91	ug/L		07/04/20 07:59	07/04/20 22:42	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		07/04/20 07:59	07/04/20 22:42	1
Dibenzofuran	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 22:42	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		07/04/20 07:59	07/04/20 22:42	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		07/04/20 07:59	07/04/20 22:42	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		07/04/20 07:59	07/04/20 22:42	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		07/04/20 07:59	07/04/20 22:42	1
Diphenyl	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 22:42	1
Fluoranthene	0.84	U	10	0.84	ug/L		07/04/20 07:59	07/04/20 22:42	1
Fluorene	0.91	U	10	0.91	ug/L		07/04/20 07:59	07/04/20 22:42	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		07/04/20 07:59	07/04/20 22:42	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		07/04/20 07:59	07/04/20 22:42	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		07/04/20 07:59	07/04/20 22:42	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		07/04/20 07:59	07/04/20 22:42	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		07/04/20 07:59	07/04/20 22:42	1
Isophorone	0.80	U	10	0.80	ug/L		07/04/20 07:59	07/04/20 22:42	1
Naphthalene	1.1	U	2.0	1.1	ug/L		07/04/20 07:59	07/04/20 22:42	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		07/04/20 07:59	07/04/20 22:42	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		07/04/20 07:59	07/04/20 22:42	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		07/04/20 07:59	07/04/20 22:42	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		07/04/20 07:59	07/04/20 22:42	1
Phenanthrene	0.58	U	10	0.58	ug/L		07/04/20 07:59	07/04/20 22:42	1
Phenol	0.29	U	10	0.29	ug/L		07/04/20 07:59	07/04/20 22:42	1
Pyrene	1.6	U	10	1.6	ug/L		07/04/20 07:59	07/04/20 22:42	1
2,3,7,8-TCDD	1.0	U	1.0	1.0	ug/L		07/04/20 07:59	07/04/20 22:42	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Indane	*7.5*	*J N*	*ug/L*		*3.80*	*496-11-7*	*07/04/20 07:59*	*07/04/20 22:42*	*1*

Client Sample ID: MW-2A
Lab Sample ID: 460-212426-1

Date Collected: 06/30/20 10:10
Matrix: Water
Date Received: 07/01/20 16:10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*97*		*36 - 159*	*07/04/20 07:59*	*07/04/20 22:42*	*1*
2-Fluorobiphenyl	*84*		*42 - 127*	*07/04/20 07:59*	*07/04/20 22:42*	*1*
2-Fluorophenol	*43*		*18 - 72*	*07/04/20 07:59*	*07/04/20 22:42*	*1*
Nitrobenzene-d5	*82*		*46 - 137*	*07/04/20 07:59*	*07/04/20 22:42*	*1*
Phenol-d5	*28*		*10 - 50*	*07/04/20 07:59*	*07/04/20 22:42*	*1*
Terphenyl-d14	*105*		*39 - 150*	*07/04/20 07:59*	*07/04/20 22:42*	*1*

Client Sample ID: MW-7A
Lab Sample ID: 460-212426-2

Date Collected: 06/30/20 11:35
Matrix: Water
Date Received: 07/01/20 16:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/07/20 04:09	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/07/20 04:09	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 04:09	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/07/20 04:09	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/07/20 04:09	1
1,2,3-Trichlorobenzene	0.36	U *	1.0	0.36	ug/L			07/07/20 04:09	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/07/20 04:09	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/07/20 04:09	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/07/20 04:09	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/07/20 04:09	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 04:09	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/07/20 04:09	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/07/20 04:09	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/07/20 04:09	1
1,4-Dioxane	28	U	50	28	ug/L			07/07/20 04:09	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/07/20 04:09	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/07/20 04:09	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/07/20 04:09	1
Acetone	**6.1**		5.0	4.4	ug/L			07/07/20 04:09	1
Benzene	0.20	U	1.0	0.20	ug/L			07/07/20 04:09	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/07/20 04:09	1
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/07/20 04:09	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/07/20 04:09	1
Bromomethane	0.55	U	1.0	0.55	ug/L			07/07/20 04:09	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/07/20 04:09	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/07/20 04:09	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/07/20 04:09	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/07/20 04:09	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/07/20 04:09	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/07/20 04:09	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/07/20 04:09	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/07/20 04:09	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/07/20 04:09	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/07/20 04:09	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/07/20 04:09	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/07/20 04:09	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/07/20 04:09	1

Client Sample ID: MW-7A

Date Collected: 06/30/20 11:35
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-2

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			07/07/20 04:09	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/07/20 04:09	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/07/20 04:09	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/07/20 04:09	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/07/20 04:09	1
MTBE	**0.73**	**J**	1.0	0.47	ug/L			07/07/20 04:09	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/07/20 04:09	1
Styrene	0.42	U	1.0	0.42	ug/L			07/07/20 04:09	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/07/20 04:09	1
Toluene	0.38	U	1.0	0.38	ug/L			07/07/20 04:09	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/07/20 04:09	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/07/20 04:09	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/07/20 04:09	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/07/20 04:09	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/07/20 04:09	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Indane	*9.1*	*J N*	*ug/L*		*9.52*	*496-11-7*		*07/07/20 04:09*	*1*
Benzene, (1-methyl-1-propenyl)-, (E)-	*6.7*	*J N*	*ug/L*		*10.42*	*768-00-3*		*07/07/20 04:09*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*96*		*75 - 123*		*07/07/20 04:09*	*1*
Bromofluorobenzene	*108*		*76 - 120*		*07/07/20 04:09*	*1*
Dibromofluoromethane (Surr)	*100*		*77 - 124*		*07/07/20 04:09*	*1*
Toluene-d8 (Surr)	*101*		*80 - 120*		*07/07/20 04:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,4-Dinitrophenol	14	U	20	14	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		07/04/20 07:59	07/04/20 23:03	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 23:03	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		07/04/20 07:59	07/04/20 23:03	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 23:03	1
2-Methylphenol	0.67	U	10	0.67	ug/L		07/04/20 07:59	07/04/20 23:03	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		07/04/20 07:59	07/04/20 23:03	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 23:03	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		07/04/20 07:59	07/04/20 23:03	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		07/04/20 07:59	07/04/20 23:03	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		07/04/20 07:59	07/04/20 23:03	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 23:03	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		07/04/20 07:59	07/04/20 23:03	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		07/04/20 07:59	07/04/20 23:03	1

Client Sample ID: MW-7A

Date Collected: 06/30/20 11:35
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-2

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		07/04/20 07:59	07/04/20 23:03	1
4-Methylphenol	0.65	U	10	0.65	ug/L		07/04/20 07:59	07/04/20 23:03	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 23:03	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		07/04/20 07:59	07/04/20 23:03	1
Acenaphthene	**38**		10	1.1	ug/L		07/04/20 07:59	07/04/20 23:03	1
Acenaphthylene	0.82	U	10	0.82	ug/L		07/04/20 07:59	07/04/20 23:03	1
Acetophenone	2.3	U	10	2.3	ug/L		07/04/20 07:59	07/04/20 23:03	1
Anthracene	**4.6**	**J**	10	0.63	ug/L		07/04/20 07:59	07/04/20 23:03	1
Atrazine	1.3	U * *1	2.0	1.3	ug/L		07/04/20 07:59	07/04/20 23:03	1
Benzaldehyde	2.1	U * *1	10	2.1	ug/L		07/04/20 07:59	07/04/20 23:03	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		07/04/20 07:59	07/04/20 23:03	1
Benzo[a]pyrene	0.41	U *	1.0	0.41	ug/L		07/04/20 07:59	07/04/20 23:03	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		07/04/20 07:59	07/04/20 23:03	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		07/04/20 07:59	07/04/20 23:03	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		07/04/20 07:59	07/04/20 23:03	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		07/04/20 07:59	07/04/20 23:03	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		07/04/20 07:59	07/04/20 23:03	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		07/04/20 07:59	07/04/20 23:03	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		07/04/20 07:59	07/04/20 23:03	1
Caprolactam	0.68	U *1	10	0.68	ug/L		07/04/20 07:59	07/04/20 23:03	1
Carbazole	0.68	U	10	0.68	ug/L		07/04/20 07:59	07/04/20 23:03	1
Chrysene	0.91	U	2.0	0.91	ug/L		07/04/20 07:59	07/04/20 23:03	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		07/04/20 07:59	07/04/20 23:03	1
Dibenzofuran	**7.3**	**J**	10	1.1	ug/L		07/04/20 07:59	07/04/20 23:03	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		07/04/20 07:59	07/04/20 23:03	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		07/04/20 07:59	07/04/20 23:03	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		07/04/20 07:59	07/04/20 23:03	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		07/04/20 07:59	07/04/20 23:03	1
Diphenyl	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 23:03	1
Fluoranthene	**5.0**	**J**	10	0.84	ug/L		07/04/20 07:59	07/04/20 23:03	1
Fluorene	**15**		10	0.91	ug/L		07/04/20 07:59	07/04/20 23:03	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		07/04/20 07:59	07/04/20 23:03	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		07/04/20 07:59	07/04/20 23:03	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		07/04/20 07:59	07/04/20 23:03	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		07/04/20 07:59	07/04/20 23:03	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		07/04/20 07:59	07/04/20 23:03	1
Isophorone	0.80	U	10	0.80	ug/L		07/04/20 07:59	07/04/20 23:03	1
Naphthalene	1.1	U	2.0	1.1	ug/L		07/04/20 07:59	07/04/20 23:03	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		07/04/20 07:59	07/04/20 23:03	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		07/04/20 07:59	07/04/20 23:03	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		07/04/20 07:59	07/04/20 23:03	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		07/04/20 07:59	07/04/20 23:03	1
Phenanthrene	**20**		10	0.58	ug/L		07/04/20 07:59	07/04/20 23:03	1
Phenol	0.29	U	10	0.29	ug/L		07/04/20 07:59	07/04/20 23:03	1
Pyrene	**4.0**	**J**	10	1.6	ug/L		07/04/20 07:59	07/04/20 23:03	1
2,3,7,8-TCDD	1.0	U	1.0	1.0	ug/L		07/04/20 07:59	07/04/20 23:03	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/04/20 07:59*	*07/04/20 23:03*	*1*

Client Sample ID: MW-7A

Date Collected: 06/30/20 11:35
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-2

Matrix: Water

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*120*		*36 - 159*	*07/04/20 07:59*	*07/04/20 23:03*	*1*
2-Fluorobiphenyl	*103*		*42 - 127*	*07/04/20 07:59*	*07/04/20 23:03*	*1*
2-Fluorophenol	*53*		*18 - 72*	*07/04/20 07:59*	*07/04/20 23:03*	*1*
Nitrobenzene-d5	*100*		*46 - 137*	*07/04/20 07:59*	*07/04/20 23:03*	*1*
Phenol-d5	*35*		*10 - 50*	*07/04/20 07:59*	*07/04/20 23:03*	*1*
Terphenyl-d14	*111*		*39 - 150*	*07/04/20 07:59*	*07/04/20 23:03*	*1*

Client Sample ID: Dup

Date Collected: 06/30/20 00:00
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/07/20 04:32	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/07/20 04:32	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 04:32	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/07/20 04:32	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/07/20 04:32	1
1,2,3-Trichlorobenzene	0.36	U *	1.0	0.36	ug/L			07/07/20 04:32	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/07/20 04:32	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/07/20 04:32	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/07/20 04:32	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/07/20 04:32	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 04:32	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/07/20 04:32	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/07/20 04:32	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/07/20 04:32	1
1,4-Dioxane	28	U	50	28	ug/L			07/07/20 04:32	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/07/20 04:32	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/07/20 04:32	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/07/20 04:32	1
Acetone	**6.0**		5.0	4.4	ug/L			07/07/20 04:32	1
Benzene	**20**		1.0	0.20	ug/L			07/07/20 04:32	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/07/20 04:32	1
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/07/20 04:32	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/07/20 04:32	1
Bromomethane	0.55	U	1.0	0.55	ug/L			07/07/20 04:32	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/07/20 04:32	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/07/20 04:32	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/07/20 04:32	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/07/20 04:32	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/07/20 04:32	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/07/20 04:32	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/07/20 04:32	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/07/20 04:32	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/07/20 04:32	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/07/20 04:32	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/07/20 04:32	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/07/20 04:32	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/07/20 04:32	1

Client Sample ID: Dup

Date Collected: 06/30/20 00:00
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isopropylbenzene	**1.1**		1.0	0.34	ug/L			07/07/20 04:32	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/07/20 04:32	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/07/20 04:32	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/07/20 04:32	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/07/20 04:32	1
MTBE	0.47	U	1.0	0.47	ug/L			07/07/20 04:32	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/07/20 04:32	1
Styrene	0.42	U	1.0	0.42	ug/L			07/07/20 04:32	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/07/20 04:32	1
Toluene	0.38	U	1.0	0.38	ug/L			07/07/20 04:32	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/07/20 04:32	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/07/20 04:32	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/07/20 04:32	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/07/20 04:32	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/07/20 04:32	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Indane	*22*	*J N*	*ug/L*		*9.52*	*496-11-7*		*07/07/20 04:32*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*		*07/07/20 04:32*	*1*
Bromofluorobenzene	*103*		*76 - 120*		*07/07/20 04:32*	*1*
Dibromofluoromethane (Surr)	*95*		*77 - 124*		*07/07/20 04:32*	*1*
Toluene-d8 (Surr)	*95*		*80 - 120*		*07/07/20 04:32*	*1*

Method: 8260C - Volatile Organic Compounds by GC/MS - RA

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/08/20 00:34	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/08/20 00:34	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/08/20 00:34	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/08/20 00:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/08/20 00:34	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			07/08/20 00:34	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/08/20 00:34	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/08/20 00:34	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/08/20 00:34	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/08/20 00:34	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/08/20 00:34	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/08/20 00:34	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/08/20 00:34	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/08/20 00:34	1
1,4-Dioxane	28	U	50	28	ug/L			07/08/20 00:34	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/08/20 00:34	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/08/20 00:34	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/08/20 00:34	1
Acetone	**6.9**		5.0	4.4	ug/L			07/08/20 00:34	1
Benzene	0.20	U	1.0	0.20	ug/L			07/08/20 00:34	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/08/20 00:34	1
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/08/20 00:34	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/08/20 00:34	1

Client Sample ID: Dup

Date Collected: 06/30/20 00:00
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-3

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS - RA (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromomethane	0.55	U	1.0	0.55	ug/L			07/08/20 00:34	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/08/20 00:34	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/08/20 00:34	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/08/20 00:34	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/08/20 00:34	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/08/20 00:34	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/08/20 00:34	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/08/20 00:34	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/08/20 00:34	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/08/20 00:34	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/08/20 00:34	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/08/20 00:34	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/08/20 00:34	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/08/20 00:34	1
Isopropylbenzene	**0.69**	**J**	1.0	0.34	ug/L			07/08/20 00:34	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/08/20 00:34	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/08/20 00:34	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/08/20 00:34	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/08/20 00:34	1
MTBE	0.47	U	1.0	0.47	ug/L			07/08/20 00:34	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/08/20 00:34	1
Styrene	0.42	U	1.0	0.42	ug/L			07/08/20 00:34	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/08/20 00:34	1
Toluene	0.38	U	1.0	0.38	ug/L			07/08/20 00:34	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/08/20 00:34	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/08/20 00:34	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/08/20 00:34	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/08/20 00:34	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/08/20 00:34	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Indane	*20*	*J N*	*ug/L*		*11.07*	*496-11-7*		*07/08/20 00:34*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*		*07/08/20 00:34*	*1*
Bromofluorobenzene	*110*		*76 - 120*		*07/08/20 00:34*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*07/08/20 00:34*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/08/20 00:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,4-Dinitrophenol	14	U	20	14	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		07/04/20 07:59	07/04/20 23:24	1

Client Sample ID: Dup

Date Collected: 06/30/20 00:00
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-3

Matrix: Water

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		07/04/20 07:59	07/04/20 23:24	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 23:24	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		07/04/20 07:59	07/04/20 23:24	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 23:24	1
2-Methylphenol	0.67	U	10	0.67	ug/L		07/04/20 07:59	07/04/20 23:24	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		07/04/20 07:59	07/04/20 23:24	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 23:24	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		07/04/20 07:59	07/04/20 23:24	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		07/04/20 07:59	07/04/20 23:24	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		07/04/20 07:59	07/04/20 23:24	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 23:24	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		07/04/20 07:59	07/04/20 23:24	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		07/04/20 07:59	07/04/20 23:24	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		07/04/20 07:59	07/04/20 23:24	1
4-Methylphenol	0.65	U	10	0.65	ug/L		07/04/20 07:59	07/04/20 23:24	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 23:24	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		07/04/20 07:59	07/04/20 23:24	1
Acenaphthene	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 23:24	1
Acenaphthylene	0.82	U	10	0.82	ug/L		07/04/20 07:59	07/04/20 23:24	1
Acetophenone	2.3	U	10	2.3	ug/L		07/04/20 07:59	07/04/20 23:24	1
Anthracene	0.63	U	10	0.63	ug/L		07/04/20 07:59	07/04/20 23:24	1
Atrazine	1.3	U * *1	2.0	1.3	ug/L		07/04/20 07:59	07/04/20 23:24	1
Benzaldehyde	2.1	U * *1	10	2.1	ug/L		07/04/20 07:59	07/04/20 23:24	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		07/04/20 07:59	07/04/20 23:24	1
Benzo[a]pyrene	0.41	U *	1.0	0.41	ug/L		07/04/20 07:59	07/04/20 23:24	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		07/04/20 07:59	07/04/20 23:24	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		07/04/20 07:59	07/04/20 23:24	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		07/04/20 07:59	07/04/20 23:24	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		07/04/20 07:59	07/04/20 23:24	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		07/04/20 07:59	07/04/20 23:24	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		07/04/20 07:59	07/04/20 23:24	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		07/04/20 07:59	07/04/20 23:24	1
Caprolactam	0.68	U *1	10	0.68	ug/L		07/04/20 07:59	07/04/20 23:24	1
Carbazole	0.68	U	10	0.68	ug/L		07/04/20 07:59	07/04/20 23:24	1
Chrysene	0.91	U	2.0	0.91	ug/L		07/04/20 07:59	07/04/20 23:24	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		07/04/20 07:59	07/04/20 23:24	1
Dibenzofuran	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 23:24	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		07/04/20 07:59	07/04/20 23:24	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		07/04/20 07:59	07/04/20 23:24	1
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		07/04/20 07:59	07/04/20 23:24	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		07/04/20 07:59	07/04/20 23:24	1
Diphenyl	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 23:24	1
Fluoranthene	0.84	U	10	0.84	ug/L		07/04/20 07:59	07/04/20 23:24	1
Fluorene	0.91	U	10	0.91	ug/L		07/04/20 07:59	07/04/20 23:24	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		07/04/20 07:59	07/04/20 23:24	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		07/04/20 07:59	07/04/20 23:24	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		07/04/20 07:59	07/04/20 23:24	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		07/04/20 07:59	07/04/20 23:24	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		07/04/20 07:59	07/04/20 23:24	1

Client Sample ID: Dup
Lab Sample ID: 460-212426-3

Date Collected: 06/30/20 00:00
Matrix: Water
Date Received: 07/01/20 16:10

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Isophorone	0.80	U	10	0.80	ug/L		07/04/20 07:59	07/04/20 23:24	1
Naphthalene	1.1	U	2.0	1.1	ug/L		07/04/20 07:59	07/04/20 23:24	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		07/04/20 07:59	07/04/20 23:24	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		07/04/20 07:59	07/04/20 23:24	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		07/04/20 07:59	07/04/20 23:24	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		07/04/20 07:59	07/04/20 23:24	1
Phenanthrene	0.58	U	10	0.58	ug/L		07/04/20 07:59	07/04/20 23:24	1
Phenol	0.29	U	10	0.29	ug/L		07/04/20 07:59	07/04/20 23:24	1
Pyrene	1.6	U	10	1.6	ug/L		07/04/20 07:59	07/04/20 23:24	1
2,3,7,8-TCDD	1.0	U	1.0	1.0	ug/L		07/04/20 07:59	07/04/20 23:24	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Indane	*9.3*	*J N*	*ug/L*		*3.80*	*496-11-7*	*07/04/20 07:59*	*07/04/20 23:24*	*1*
o-Tolylacetic acid	*6.5*	*J N*	*ug/L*		*5.87*	*644-36-0*	*07/04/20 07:59*	*07/04/20 23:24*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*101*		*36 - 159*	*07/04/20 07:59*	*07/04/20 23:24*	*1*
2-Fluorobiphenyl	*92*		*42 - 127*	*07/04/20 07:59*	*07/04/20 23:24*	*1*
2-Fluorophenol	*43*		*18 - 72*	*07/04/20 07:59*	*07/04/20 23:24*	*1*
Nitrobenzene-d5	*90*		*46 - 137*	*07/04/20 07:59*	*07/04/20 23:24*	*1*
Phenol-d5	*28*		*10 - 50*	*07/04/20 07:59*	*07/04/20 23:24*	*1*
Terphenyl-d14	*110*		*39 - 150*	*07/04/20 07:59*	*07/04/20 23:24*	*1*

Client Sample ID: TB
Lab Sample ID: 460-212426-4

Date Collected: 06/30/20 00:00
Matrix: Water
Date Received: 07/01/20 16:10

Method: 8260C - Volatile Organic Compounds by GC/MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/07/20 13:30	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/07/20 13:30	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 13:30	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/07/20 13:30	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/07/20 13:30	1
1,2,3-Trichlorobenzene	0.36	U *	1.0	0.36	ug/L			07/07/20 13:30	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/07/20 13:30	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/07/20 13:30	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/07/20 13:30	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/07/20 13:30	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 13:30	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/07/20 13:30	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/07/20 13:30	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/07/20 13:30	1
1,4-Dioxane	28	U	50	28	ug/L			07/07/20 13:30	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/07/20 13:30	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/07/20 13:30	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/07/20 13:30	1
Acetone	4.4	U	5.0	4.4	ug/L			07/07/20 13:30	1
Benzene	0.20	U	1.0	0.20	ug/L			07/07/20 13:30	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/07/20 13:30	1

Client Sample ID: TB

Date Collected: 06/30/20 00:00
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-4

Matrix: Water

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/07/20 13:30	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/07/20 13:30	1
Bromomethane	0.55	U	1.0	0.55	ug/L			07/07/20 13:30	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/07/20 13:30	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/07/20 13:30	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/07/20 13:30	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/07/20 13:30	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/07/20 13:30	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/07/20 13:30	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/07/20 13:30	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/07/20 13:30	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/07/20 13:30	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/07/20 13:30	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/07/20 13:30	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/07/20 13:30	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/07/20 13:30	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			07/07/20 13:30	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/07/20 13:30	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/07/20 13:30	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/07/20 13:30	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/07/20 13:30	1
MTBE	0.47	U	1.0	0.47	ug/L			07/07/20 13:30	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/07/20 13:30	1
Styrene	0.42	U	1.0	0.42	ug/L			07/07/20 13:30	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/07/20 13:30	1
Toluene	0.38	U	1.0	0.38	ug/L			07/07/20 13:30	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/07/20 13:30	1
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/07/20 13:30	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/07/20 13:30	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/07/20 13:30	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/07/20 13:30	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/07/20 13:30*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*95*		*75 - 123*		*07/07/20 13:30*	*1*
Bromofluorobenzene	*106*		*76 - 120*		*07/07/20 13:30*	*1*
Dibromofluoromethane (Surr)	*101*		*77 - 124*		*07/07/20 13:30*	*1*
Toluene-d8 (Surr)	*100*		*80 - 120*		*07/07/20 13:30*	*1*

Surrogate Summary

Client: SESI Consulting Engineers
Job ID: 460-212426-1
Project/Site: Harbor Square, Ossining

Method: 8260C - Volatile Organic Compounds by GC/MS

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCA	BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(75-123)	(76-120)	(77-124)	(80-120)
460-212426-1	MW-2A	85	99	94	94
460-212426-1 - RA	MW-2A	92	110	103	96
460-212426-2	MW-7A	96	108	100	101
460-212426-3	Dup	89	103	95	95
460-212426-3 - RA	Dup	93	110	103	97
460-212426-4	TB	95	106	101	100
LCS 460-706284/4	Lab Control Sample	85	100	93	93
LCS 460-706392/4	Lab Control Sample	88	103	100	97
LCS 460-706558/5	Lab Control Sample	90	109	99	97
LCSD 460-706284/6	Lab Control Sample Dup	91	102	95	99
LCSD 460-706392/5	Lab Control Sample Dup	93	105	100	99
LCSD 460-706558/6	Lab Control Sample Dup	90	111	99	98
MB 460-706284/10	Method Blank	89	102	93	93
MB 460-706392/9	Method Blank	91	104	96	97
MB 460-706558/9	Method Blank	90	105	103	98

Surrogate Legend

DCA = 1,2-Dichloroethane-d4 (Surr)
BFB = Bromofluorobenzene
DBFM = Dibromofluoromethane (Surr)
TOL = Toluene-d8 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(36-159)	(42-127)	(18-72)	(46-137)	(10-50)	(39-150)
460-212426-1	MW-2A	97	84	43	82	28	105
460-212426-2	MW-7A	120	103	53	100	35	111
460-212426-3	Dup	101	92	43	90	28	110
LCS 460-705856/2-A	Lab Control Sample	119	100	53	94	36	122
LCSD 460-705856/3-A	Lab Control Sample Dup	128	108	55	102	36	131
MB 460-705856/1-A	Method Blank	118	96	52	95	36	126

Surrogate Legend

TBP = 2,4,6-Tribromophenol
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPHL = Terphenyl-d14

Method: 8260C - Volatile Organic Compounds by GC/MS

Lab Sample ID: MB 460-706284/10
Matrix: Water
Analysis Batch: 706284

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/06/20 22:13	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/06/20 22:13	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/06/20 22:13	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/06/20 22:13	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/06/20 22:13	1
1,2,3-Trichlorobenzene	0.457	J	1.0	0.36	ug/L			07/06/20 22:13	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/06/20 22:13	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/06/20 22:13	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/06/20 22:13	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/06/20 22:13	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/06/20 22:13	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/06/20 22:13	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/06/20 22:13	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/06/20 22:13	1
1,4-Dioxane	28	U	50	28	ug/L			07/06/20 22:13	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/06/20 22:13	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/06/20 22:13	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/06/20 22:13	1
Acetone	4.4	U	5.0	4.4	ug/L			07/06/20 22:13	1
Benzene	0.20	U	1.0	0.20	ug/L			07/06/20 22:13	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/06/20 22:13	1
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/06/20 22:13	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/06/20 22:13	1
Bromomethane	0.55	U	1.0	0.55	ug/L			07/06/20 22:13	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/06/20 22:13	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/06/20 22:13	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/06/20 22:13	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/06/20 22:13	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/06/20 22:13	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/06/20 22:13	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/06/20 22:13	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/06/20 22:13	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/06/20 22:13	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/06/20 22:13	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/06/20 22:13	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/06/20 22:13	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/06/20 22:13	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			07/06/20 22:13	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/06/20 22:13	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/06/20 22:13	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/06/20 22:13	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/06/20 22:13	1
MTBE	0.47	U	1.0	0.47	ug/L			07/06/20 22:13	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/06/20 22:13	1
Styrene	0.42	U	1.0	0.42	ug/L			07/06/20 22:13	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/06/20 22:13	1
Toluene	0.38	U	1.0	0.38	ug/L			07/06/20 22:13	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/06/20 22:13	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-706284/10
Matrix: Water
Analysis Batch: 706284

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/06/20 22:13	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/06/20 22:13	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/06/20 22:13	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/06/20 22:13	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/06/20 22:13*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*89*		*75 - 123*		*07/06/20 22:13*	*1*
Bromofluorobenzene	*102*		*76 - 120*		*07/06/20 22:13*	*1*
Dibromofluoromethane (Surr)	*93*		*77 - 124*		*07/06/20 22:13*	*1*
Toluene-d8 (Surr)	*93*		*80 - 120*		*07/06/20 22:13*	*1*

Lab Sample ID: LCS 460-706284/4
Matrix: Water
Analysis Batch: 706284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.9		ug/L		105	68 - 128
1,1,2,2-Tetrachloroethane	20.0	18.9		ug/L		94	63 - 139
1,1,2-Trichloroethane	20.0	19.9		ug/L		99	74 - 125
1,1-Dichloroethane	20.0	18.7		ug/L		93	73 - 130
1,1-Dichloroethene	20.0	18.7		ug/L		94	68 - 133
1,2,3-Trichlorobenzene	20.0	30.9	*	ug/L		154	53 - 144
1,2,4-Trichlorobenzene	20.0	24.3		ug/L		121	64 - 132
1,2-Dibromo-3-Chloropropane	20.0	19.4		ug/L		97	41 - 143
1,2-Dibromoethane	20.0	21.8		ug/L		109	69 - 126
1,2-Dichlorobenzene	20.0	21.2		ug/L		106	79 - 122
1,2-Dichloroethane	20.0	19.1		ug/L		96	75 - 121
1,2-Dichloropropane	20.0	19.2		ug/L		96	76 - 126
1,3-Dichlorobenzene	20.0	20.9		ug/L		105	80 - 121
1,4-Dichlorobenzene	20.0	21.0		ug/L		105	80 - 118
1,4-Dioxane	400	440		ug/L		110	70 - 142
2-Butanone	100	110		ug/L		110	69 - 128
2-Hexanone	100	104		ug/L		104	74 - 127
4-Methyl-2-pentanone	100	111		ug/L		111	78 - 125
Acetone	100	85.9		ug/L		86	61 - 134
Benzene	20.0	19.7		ug/L		99	78 - 126
Bromochloromethane	20.0	21.4		ug/L		107	73 - 126
Bromodichloromethane	20.0	21.4		ug/L		107	72 - 121
Bromoform	20.0	26.4		ug/L		132	38 - 144
Bromomethane	20.0	18.7		ug/L		94	10 - 150
Carbon disulfide	20.0	19.6		ug/L		98	64 - 138
Carbon tetrachloride	20.0	25.0		ug/L		125	56 - 131
Chlorobenzene	20.0	21.0		ug/L		105	80 - 119
Chloroethane	20.0	17.0		ug/L		85	29 - 150
Chloroform	20.0	20.2		ug/L		101	78 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-706284/4
Matrix: Water
Analysis Batch: 706284

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	13.8		ug/L		69	38 - 150
cis-1,2-Dichloroethene	20.0	20.0		ug/L		100	78 - 121
cis-1,3-Dichloropropene	20.0	21.4		ug/L		107	74 - 125
Cyclohexane	20.0	20.2		ug/L		101	67 - 133
Dibromochloromethane	20.0	23.1		ug/L		115	58 - 130
Dichlorodifluoromethane	20.0	10.6		ug/L		53	31 - 150
Ethylbenzene	20.0	19.7		ug/L		98	78 - 120
Freon TF	20.0	20.2		ug/L		101	59 - 142
Isopropylbenzene	20.0	20.5		ug/L		102	79 - 125
m&p-Xylene	20.0	20.3		ug/L		101	78 - 123
Methyl acetate	40.0	31.7		ug/L		79	70 - 127
Methylcyclohexane	20.0	22.3		ug/L		111	60 - 139
Methylene Chloride	20.0	18.9		ug/L		95	74 - 127
MTBE	20.0	21.3		ug/L		107	65 - 131
o-Xylene	20.0	20.3		ug/L		102	78 - 122
Styrene	20.0	20.7		ug/L		104	75 - 127
Tetrachloroethene	20.0	21.3		ug/L		107	70 - 127
Toluene	20.0	20.6		ug/L		103	78 - 119
trans-1,2-Dichloroethene	20.0	19.6		ug/L		98	74 - 126
trans-1,3-Dichloropropene	20.0	25.0		ug/L		125	66 - 127
Trichloroethene	20.0	19.3		ug/L		97	71 - 121
Trichlorofluoromethane	20.0	18.5		ug/L		92	61 - 140
Vinyl chloride	20.0	15.7		ug/L		79	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*85*		*75 - 123*
Bromofluorobenzene	*100*		*76 - 120*
Dibromofluoromethane (Surr)	*93*		*77 - 124*
Toluene-d8 (Surr)	*93*		*80 - 120*

Lab Sample ID: LCSD 460-706284/6
Matrix: Water
Analysis Batch: 706284

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	21.6		ug/L		108	68 - 128	3	30
1,1,2,2-Tetrachloroethane	20.0	20.5		ug/L		103	63 - 139	8	30
1,1,2-Trichloroethane	20.0	20.5		ug/L		102	74 - 125	3	30
1,1-Dichloroethane	20.0	19.0		ug/L		95	73 - 130	2	30
1,1-Dichloroethene	20.0	19.4		ug/L		97	68 - 133	3	30
1,2,3-Trichlorobenzene	20.0	33.7	*	ug/L		168	53 - 144	9	30
1,2,4-Trichlorobenzene	20.0	24.8		ug/L		124	64 - 132	2	30
1,2-Dibromo-3-Chloropropane	20.0	21.1		ug/L		105	41 - 143	8	30
1,2-Dibromoethane	20.0	22.9		ug/L		115	69 - 126	5	30
1,2-Dichlorobenzene	20.0	21.4		ug/L		107	79 - 122	1	30
1,2-Dichloroethane	20.0	19.3		ug/L		96	75 - 121	1	30
1,2-Dichloropropane	20.0	19.2		ug/L		96	76 - 126	0	30
1,3-Dichlorobenzene	20.0	21.3		ug/L		106	80 - 121	2	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-706284/6
Matrix: Water
Analysis Batch: 706284

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			20.0	21.1		ug/L		106	80 - 118	1	30
1,4-Dioxane			400	444		ug/L		111	70 - 142	1	30
2-Butanone			100	109		ug/L		109	69 - 128	1	30
2-Hexanone			100	103		ug/L		103	74 - 127	1	30
4-Methyl-2-pentanone			100	110		ug/L		110	78 - 125	1	30
Acetone			100	88.1		ug/L		88	61 - 134	3	30
Benzene			20.0	20.5		ug/L		102	78 - 126	4	30
Bromochloromethane			20.0	21.2		ug/L		106	73 - 126	1	30
Bromodichloromethane			20.0	20.5		ug/L		102	72 - 121	4	30
Bromoform			20.0	26.7		ug/L		133	38 - 144	1	30
Bromomethane			20.0	17.6		ug/L		88	10 - 150	6	30
Carbon disulfide			20.0	19.8		ug/L		99	64 - 138	1	30
Carbon tetrachloride			20.0	24.9		ug/L		124	56 - 131	0	30
Chlorobenzene			20.0	21.4		ug/L		107	80 - 119	1	30
Chloroethane			20.0	16.6		ug/L		83	29 - 150	3	30
Chloroform			20.0	19.7		ug/L		98	78 - 125	3	30
Chloromethane			20.0	13.9		ug/L		69	38 - 150	0	30
cis-1,2-Dichloroethene			20.0	19.9		ug/L		100	78 - 121	0	30
cis-1,3-Dichloropropene			20.0	22.6		ug/L		113	74 - 125	5	30
Cyclohexane			20.0	20.1		ug/L		101	67 - 133	1	30
Dibromochloromethane			20.0	24.1		ug/L		120	58 - 130	4	30
Dichlorodifluoromethane			20.0	11.0		ug/L		55	31 - 150	3	30
Ethylbenzene			20.0	20.2		ug/L		101	78 - 120	3	30
Freon TF			20.0	21.3		ug/L		107	59 - 142	5	30
Isopropylbenzene			20.0	20.6		ug/L		103	79 - 125	0	30
m&p-Xylene			20.0	20.5		ug/L		103	78 - 123	1	30
Methyl acetate			40.0	34.7		ug/L		87	70 - 127	9	30
Methylcyclohexane			20.0	22.0		ug/L		110	60 - 139	1	30
Methylene Chloride			20.0	19.1		ug/L		96	74 - 127	1	30
MTBE			20.0	21.2		ug/L		106	65 - 131	1	30
o-Xylene			20.0	20.9		ug/L		104	78 - 122	3	30
Styrene			20.0	21.6		ug/L		108	75 - 127	4	30
Tetrachloroethene			20.0	20.7		ug/L		104	70 - 127	3	30
Toluene			20.0	20.6		ug/L		103	78 - 119	0	30
trans-1,2-Dichloroethene			20.0	19.0		ug/L		95	74 - 126	3	30
trans-1,3-Dichloropropene			20.0	25.1		ug/L		125	66 - 127	0	30
Trichloroethene			20.0	19.1		ug/L		96	71 - 121	1	30
Trichlorofluoromethane			20.0	18.1		ug/L		90	61 - 140	2	30
Vinyl chloride			20.0	15.8		ug/L		79	61 - 144	1	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*
Bromofluorobenzene	*102*		*76 - 120*
Dibromofluoromethane (Surr)	*95*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-706392/9
Matrix: Water
Analysis Batch: 706392

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/07/20 11:55	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/07/20 11:55	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 11:55	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/07/20 11:55	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/07/20 11:55	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			07/07/20 11:55	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/07/20 11:55	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/07/20 11:55	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/07/20 11:55	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/07/20 11:55	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 11:55	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/07/20 11:55	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/07/20 11:55	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/07/20 11:55	1
1,4-Dioxane	28	U	50	28	ug/L			07/07/20 11:55	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/07/20 11:55	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/07/20 11:55	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/07/20 11:55	1
Acetone	4.4	U	5.0	4.4	ug/L			07/07/20 11:55	1
Benzene	0.20	U	1.0	0.20	ug/L			07/07/20 11:55	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/07/20 11:55	1
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/07/20 11:55	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/07/20 11:55	1
Bromomethane	0.55	U	1.0	0.55	ug/L			07/07/20 11:55	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/07/20 11:55	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/07/20 11:55	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/07/20 11:55	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/07/20 11:55	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/07/20 11:55	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/07/20 11:55	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/07/20 11:55	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/07/20 11:55	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/07/20 11:55	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/07/20 11:55	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/07/20 11:55	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/07/20 11:55	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/07/20 11:55	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			07/07/20 11:55	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/07/20 11:55	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/07/20 11:55	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/07/20 11:55	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/07/20 11:55	1
MTBE	0.47	U	1.0	0.47	ug/L			07/07/20 11:55	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/07/20 11:55	1
Styrene	0.42	U	1.0	0.42	ug/L			07/07/20 11:55	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/07/20 11:55	1
Toluene	0.38	U	1.0	0.38	ug/L			07/07/20 11:55	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/07/20 11:55	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-706392/9
Matrix: Water
Analysis Batch: 706392

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/07/20 11:55	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/07/20 11:55	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/07/20 11:55	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/07/20 11:55	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/07/20 11:55*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*91*		*75 - 123*		*07/07/20 11:55*	*1*
Bromofluorobenzene	*104*		*76 - 120*		*07/07/20 11:55*	*1*
Dibromofluoromethane (Surr)	*96*		*77 - 124*		*07/07/20 11:55*	*1*
Toluene-d8 (Surr)	*97*		*80 - 120*		*07/07/20 11:55*	*1*

Lab Sample ID: LCS 460-706392/4
Matrix: Water
Analysis Batch: 706392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	18.7		ug/L		93	68 - 128
1,1,2,2-Tetrachloroethane	20.0	16.8		ug/L		84	63 - 139
1,1,2-Trichloroethane	20.0	17.3		ug/L		87	74 - 125
1,1-Dichloroethane	20.0	17.2		ug/L		86	73 - 130
1,1-Dichloroethene	20.0	17.2		ug/L		86	68 - 133
1,2,3-Trichlorobenzene	20.0	27.2		ug/L		136	53 - 144
1,2,4-Trichlorobenzene	20.0	20.9		ug/L		105	64 - 132
1,2-Dibromo-3-Chloropropane	20.0	17.7		ug/L		89	41 - 143
1,2-Dibromoethane	20.0	19.3		ug/L		96	69 - 126
1,2-Dichlorobenzene	20.0	18.6		ug/L		93	79 - 122
1,2-Dichloroethane	20.0	17.8		ug/L		89	75 - 121
1,2-Dichloropropane	20.0	17.0		ug/L		85	76 - 126
1,3-Dichlorobenzene	20.0	18.1		ug/L		91	80 - 121
1,4-Dichlorobenzene	20.0	17.8		ug/L		89	80 - 118
1,4-Dioxane	400	384		ug/L		96	70 - 142
2-Butanone	100	100		ug/L		100	69 - 128
2-Hexanone	100	92.2		ug/L		92	74 - 127
4-Methyl-2-pentanone	100	97.5		ug/L		98	78 - 125
Acetone	100	73.0		ug/L		73	61 - 134
Benzene	20.0	17.8		ug/L		89	78 - 126
Bromochloromethane	20.0	19.5		ug/L		97	73 - 126
Bromodichloromethane	20.0	18.3		ug/L		92	72 - 121
Bromoform	20.0	22.9		ug/L		115	38 - 144
Bromomethane	20.0	18.6		ug/L		93	10 - 150
Carbon disulfide	20.0	16.4		ug/L		82	64 - 138
Carbon tetrachloride	20.0	22.0		ug/L		110	56 - 131
Chlorobenzene	20.0	19.2		ug/L		96	80 - 119
Chloroethane	20.0	17.2		ug/L		86	29 - 150
Chloroform	20.0	17.9		ug/L		90	78 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-706392/4
Matrix: Water
Analysis Batch: 706392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	14.2		ug/L		71	38 - 150
cis-1,2-Dichloroethene	20.0	18.0		ug/L		90	78 - 121
cis-1,3-Dichloropropene	20.0	19.2		ug/L		96	74 - 125
Cyclohexane	20.0	17.5		ug/L		87	67 - 133
Dibromochloromethane	20.0	19.5		ug/L		97	58 - 130
Dichlorodifluoromethane	20.0	14.4		ug/L		72	31 - 150
Ethylbenzene	20.0	17.3		ug/L		86	78 - 120
Freon TF	20.0	16.9		ug/L		84	59 - 142
Isopropylbenzene	20.0	17.9		ug/L		90	79 - 125
m&p-Xylene	20.0	18.3		ug/L		91	78 - 123
Methyl acetate	40.0	31.4		ug/L		79	70 - 127
Methylcyclohexane	20.0	19.6		ug/L		98	60 - 139
Methylene Chloride	20.0	16.7		ug/L		84	74 - 127
MTBE	20.0	19.0		ug/L		95	65 - 131
o-Xylene	20.0	18.3		ug/L		92	78 - 122
Styrene	20.0	19.2		ug/L		96	75 - 127
Tetrachloroethene	20.0	19.1		ug/L		96	70 - 127
Toluene	20.0	17.9		ug/L		90	78 - 119
trans-1,2-Dichloroethene	20.0	17.9		ug/L		90	74 - 126
trans-1,3-Dichloropropene	20.0	20.3		ug/L		102	66 - 127
Trichloroethene	20.0	18.6		ug/L		93	71 - 121
Trichlorofluoromethane	20.0	20.1		ug/L		100	61 - 140
Vinyl chloride	20.0	16.3		ug/L		82	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*88*		*75 - 123*
Bromofluorobenzene	*103*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 460-706392/5
Matrix: Water
Analysis Batch: 706392

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	19.3		ug/L		97	68 - 128	4	30
1,1,2,2-Tetrachloroethane	20.0	18.7		ug/L		94	63 - 139	11	30
1,1,2-Trichloroethane	20.0	18.4		ug/L		92	74 - 125	6	30
1,1-Dichloroethane	20.0	18.8		ug/L		94	73 - 130	9	30
1,1-Dichloroethene	20.0	16.8		ug/L		84	68 - 133	2	30
1,2,3-Trichlorobenzene	20.0	29.7	*	ug/L		149	53 - 144	9	30
1,2,4-Trichlorobenzene	20.0	22.1		ug/L		111	64 - 132	5	30
1,2-Dibromo-3-Chloropropane	20.0	19.1		ug/L		95	41 - 143	8	30
1,2-Dibromoethane	20.0	22.1		ug/L		110	69 - 126	13	30
1,2-Dichlorobenzene	20.0	19.3		ug/L		97	79 - 122	4	30
1,2-Dichloroethane	20.0	19.3		ug/L		97	75 - 121	8	30
1,2-Dichloropropane	20.0	18.5		ug/L		93	76 - 126	9	30
1,3-Dichlorobenzene	20.0	19.5		ug/L		98	80 - 121	7	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-706392/5
Matrix: Water
Analysis Batch: 706392

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			20.0	19.7		ug/L		98	80 - 118	10	30
1,4-Dioxane			400	423		ug/L		106	70 - 142	10	30
2-Butanone			100	106		ug/L		106	69 - 128	5	30
2-Hexanone			100	99.1		ug/L		99	74 - 127	7	30
4-Methyl-2-pentanone			100	103		ug/L		103	78 - 125	6	30
Acetone			100	78.0		ug/L		78	61 - 134	7	30
Benzene			20.0	19.3		ug/L		96	78 - 126	8	30
Bromochloromethane			20.0	20.7		ug/L		104	73 - 126	6	30
Bromodichloromethane			20.0	20.1		ug/L		100	72 - 121	9	30
Bromoform			20.0	25.0		ug/L		125	38 - 144	9	30
Bromomethane			20.0	17.4		ug/L		87	10 - 150	7	30
Carbon disulfide			20.0	17.0		ug/L		85	64 - 138	4	30
Carbon tetrachloride			20.0	24.3		ug/L		122	56 - 131	10	30
Chlorobenzene			20.0	20.3		ug/L		102	80 - 119	6	30
Chloroethane			20.0	17.2		ug/L		86	29 - 150	0	30
Chloroform			20.0	19.9		ug/L		99	78 - 125	10	30
Chloromethane			20.0	14.3		ug/L		71	38 - 150	0	30
cis-1,2-Dichloroethene			20.0	19.3		ug/L		97	78 - 121	7	30
cis-1,3-Dichloropropene			20.0	20.7		ug/L		103	74 - 125	8	30
Cyclohexane			20.0	19.0		ug/L		95	67 - 133	9	30
Dibromochloromethane			20.0	21.4		ug/L		107	58 - 130	9	30
Dichlorodifluoromethane			20.0	13.8		ug/L		69	31 - 150	4	30
Ethylbenzene			20.0	19.5		ug/L		98	78 - 120	12	30
Freon TF			20.0	20.1		ug/L		100	59 - 142	17	30
Isopropylbenzene			20.0	19.6		ug/L		98	79 - 125	9	30
m&p-Xylene			20.0	19.8		ug/L		99	78 - 123	8	30
Methyl acetate			40.0	35.2		ug/L		88	70 - 127	11	30
Methylcyclohexane			20.0	21.3		ug/L		107	60 - 139	9	30
Methylene Chloride			20.0	17.7		ug/L		88	74 - 127	6	30
MTBE			20.0	20.2		ug/L		101	65 - 131	6	30
o-Xylene			20.0	20.0		ug/L		100	78 - 122	9	30
Styrene			20.0	20.4		ug/L		102	75 - 127	6	30
Tetrachloroethene			20.0	20.3		ug/L		101	70 - 127	6	30
Toluene			20.0	19.4		ug/L		97	78 - 119	8	30
trans-1,2-Dichloroethene			20.0	19.2		ug/L		96	74 - 126	7	30
trans-1,3-Dichloropropene			20.0	22.6		ug/L		113	66 - 127	11	30
Trichloroethene			20.0	19.4		ug/L		97	71 - 121	5	30
Trichlorofluoromethane			20.0	18.2		ug/L		91	61 - 140	10	30
Vinyl chloride			20.0	16.4		ug/L		82	61 - 144	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*93*		*75 - 123*
Bromofluorobenzene	*105*		*76 - 120*
Dibromofluoromethane (Surr)	*100*		*77 - 124*
Toluene-d8 (Surr)	*99*		*80 - 120*

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-706558/9
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.24	U	1.0	0.24	ug/L			07/07/20 22:32	1
1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37	ug/L			07/07/20 22:32	1
1,1,2-Trichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 22:32	1
1,1-Dichloroethane	0.26	U	1.0	0.26	ug/L			07/07/20 22:32	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			07/07/20 22:32	1
1,2,3-Trichlorobenzene	0.36	U	1.0	0.36	ug/L			07/07/20 22:32	1
1,2,4-Trichlorobenzene	0.37	U	1.0	0.37	ug/L			07/07/20 22:32	1
1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38	ug/L			07/07/20 22:32	1
1,2-Dibromoethane	0.50	U	1.0	0.50	ug/L			07/07/20 22:32	1
1,2-Dichlorobenzene	0.43	U	1.0	0.43	ug/L			07/07/20 22:32	1
1,2-Dichloroethane	0.43	U	1.0	0.43	ug/L			07/07/20 22:32	1
1,2-Dichloropropane	0.35	U	1.0	0.35	ug/L			07/07/20 22:32	1
1,3-Dichlorobenzene	0.34	U	1.0	0.34	ug/L			07/07/20 22:32	1
1,4-Dichlorobenzene	0.33	U	1.0	0.33	ug/L			07/07/20 22:32	1
1,4-Dioxane	28	U	50	28	ug/L			07/07/20 22:32	1
2-Butanone	1.9	U	5.0	1.9	ug/L			07/07/20 22:32	1
2-Hexanone	1.1	U	5.0	1.1	ug/L			07/07/20 22:32	1
4-Methyl-2-pentanone	1.3	U	5.0	1.3	ug/L			07/07/20 22:32	1
Acetone	4.4	U	5.0	4.4	ug/L			07/07/20 22:32	1
Benzene	0.20	U	1.0	0.20	ug/L			07/07/20 22:32	1
Bromochloromethane	0.41	U	1.0	0.41	ug/L			07/07/20 22:32	1
Bromodichloromethane	0.34	U	1.0	0.34	ug/L			07/07/20 22:32	1
Bromoform	0.54	U	1.0	0.54	ug/L			07/07/20 22:32	1
Bromomethane	0.55	U	1.0	0.55	ug/L			07/07/20 22:32	1
Carbon disulfide	0.82	U	1.0	0.82	ug/L			07/07/20 22:32	1
Carbon tetrachloride	0.21	U	1.0	0.21	ug/L			07/07/20 22:32	1
Chlorobenzene	0.38	U	1.0	0.38	ug/L			07/07/20 22:32	1
Chloroethane	0.32	U	1.0	0.32	ug/L			07/07/20 22:32	1
Chloroform	0.33	U	1.0	0.33	ug/L			07/07/20 22:32	1
Chloromethane	0.40	U	1.0	0.40	ug/L			07/07/20 22:32	1
cis-1,2-Dichloroethene	0.22	U	1.0	0.22	ug/L			07/07/20 22:32	1
cis-1,3-Dichloropropene	0.22	U	1.0	0.22	ug/L			07/07/20 22:32	1
Cyclohexane	0.32	U	1.0	0.32	ug/L			07/07/20 22:32	1
Dibromochloromethane	0.28	U	1.0	0.28	ug/L			07/07/20 22:32	1
Dichlorodifluoromethane	0.31	U	1.0	0.31	ug/L			07/07/20 22:32	1
Ethylbenzene	0.30	U	1.0	0.30	ug/L			07/07/20 22:32	1
Freon TF	0.31	U	1.0	0.31	ug/L			07/07/20 22:32	1
Isopropylbenzene	0.34	U	1.0	0.34	ug/L			07/07/20 22:32	1
m&p-Xylene	0.30	U	1.0	0.30	ug/L			07/07/20 22:32	1
Methyl acetate	0.79	U	5.0	0.79	ug/L			07/07/20 22:32	1
Methylcyclohexane	0.26	U	1.0	0.26	ug/L			07/07/20 22:32	1
Methylene Chloride	0.32	U	1.0	0.32	ug/L			07/07/20 22:32	1
MTBE	0.47	U	1.0	0.47	ug/L			07/07/20 22:32	1
o-Xylene	0.36	U	1.0	0.36	ug/L			07/07/20 22:32	1
Styrene	0.42	U	1.0	0.42	ug/L			07/07/20 22:32	1
Tetrachloroethene	0.25	U	1.0	0.25	ug/L			07/07/20 22:32	1
Toluene	0.38	U	1.0	0.38	ug/L			07/07/20 22:32	1
trans-1,2-Dichloroethene	0.24	U	1.0	0.24	ug/L			07/07/20 22:32	1

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: MB 460-706558/9
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,3-Dichloropropene	0.49	U	1.0	0.49	ug/L			07/07/20 22:32	1
Trichloroethene	0.31	U	1.0	0.31	ug/L			07/07/20 22:32	1
Trichlorofluoromethane	0.32	U	1.0	0.32	ug/L			07/07/20 22:32	1
Vinyl chloride	0.17	U	1.0	0.17	ug/L			07/07/20 22:32	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*					*07/07/20 22:32*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*		*07/07/20 22:32*	*1*
Bromofluorobenzene	*105*		*76 - 120*		*07/07/20 22:32*	*1*
Dibromofluoromethane (Surr)	*103*		*77 - 124*		*07/07/20 22:32*	*1*
Toluene-d8 (Surr)	*98*		*80 - 120*		*07/07/20 22:32*	*1*

Lab Sample ID: LCS 460-706558/5
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	20.0	20.7		ug/L		103	68 - 128
1,1,2,2-Tetrachloroethane	20.0	19.0		ug/L		95	63 - 139
1,1,2-Trichloroethane	20.0	19.7		ug/L		99	74 - 125
1,1-Dichloroethane	20.0	19.4		ug/L		97	73 - 130
1,1-Dichloroethene	20.0	21.4		ug/L		107	68 - 133
1,2,3-Trichlorobenzene	20.0	23.7		ug/L		119	53 - 144
1,2,4-Trichlorobenzene	20.0	23.4		ug/L		117	64 - 132
1,2-Dibromo-3-Chloropropane	20.0	21.1		ug/L		106	41 - 143
1,2-Dibromoethane	20.0	21.4		ug/L		107	69 - 126
1,2-Dichlorobenzene	20.0	22.8		ug/L		114	79 - 122
1,2-Dichloroethane	20.0	19.7		ug/L		99	75 - 121
1,2-Dichloropropane	20.0	19.2		ug/L		96	76 - 126
1,3-Dichlorobenzene	20.0	22.5		ug/L		112	80 - 121
1,4-Dichlorobenzene	20.0	22.2		ug/L		111	80 - 118
1,4-Dioxane	400	464		ug/L		116	70 - 142
2-Butanone	100	117		ug/L		117	69 - 128
2-Hexanone	100	108		ug/L		108	74 - 127
4-Methyl-2-pentanone	100	113		ug/L		113	78 - 125
Acetone	100	78.2		ug/L		78	61 - 134
Benzene	20.0	20.5		ug/L		102	78 - 126
Bromochloromethane	20.0	22.5		ug/L		113	73 - 126
Bromodichloromethane	20.0	20.3		ug/L		101	72 - 121
Bromoform	20.0	22.6		ug/L		113	38 - 144
Bromomethane	20.0	16.7		ug/L		84	10 - 150
Carbon disulfide	20.0	20.5		ug/L		103	64 - 138
Carbon tetrachloride	20.0	20.4		ug/L		102	56 - 131
Chlorobenzene	20.0	21.2		ug/L		106	80 - 119
Chloroethane	20.0	14.4		ug/L		72	29 - 150
Chloroform	20.0	20.5		ug/L		103	78 - 125

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCS 460-706558/5
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	20.0	11.4		ug/L		57	38 - 150
cis-1,2-Dichloroethene	20.0	21.2		ug/L		106	78 - 121
cis-1,3-Dichloropropene	20.0	18.7		ug/L		93	74 - 125
Cyclohexane	20.0	21.4		ug/L		107	67 - 133
Dibromochloromethane	20.0	21.3		ug/L		107	58 - 130
Dichlorodifluoromethane	20.0	8.74		ug/L		44	31 - 150
Ethylbenzene	20.0	21.7		ug/L		108	78 - 120
Freon TF	20.0	22.4		ug/L		112	59 - 142
Isopropylbenzene	20.0	22.0		ug/L		110	79 - 125
m&p-Xylene	20.0	22.4		ug/L		112	78 - 123
Methyl acetate	40.0	33.4		ug/L		83	70 - 127
Methylcyclohexane	20.0	21.8		ug/L		109	60 - 139
Methylene Chloride	20.0	20.6		ug/L		103	74 - 127
MTBE	20.0	20.7		ug/L		103	65 - 131
o-Xylene	20.0	22.3		ug/L		112	78 - 122
Styrene	20.0	22.1		ug/L		111	75 - 127
Tetrachloroethene	20.0	22.5		ug/L		112	70 - 127
Toluene	20.0	20.3		ug/L		102	78 - 119
trans-1,2-Dichloroethene	20.0	21.3		ug/L		107	74 - 126
trans-1,3-Dichloropropene	20.0	18.9		ug/L		94	66 - 127
Trichloroethene	20.0	20.7		ug/L		103	71 - 121
Trichlorofluoromethane	20.0	18.1		ug/L		90	61 - 140
Vinyl chloride	20.0	13.6		ug/L		68	61 - 144

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*
Bromofluorobenzene	*109*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 124*
Toluene-d8 (Surr)	*97*		*80 - 120*

Lab Sample ID: LCSD 460-706558/6
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1,1-Trichloroethane	20.0	20.4		ug/L		102	68 - 128	1	30
1,1,2,2-Tetrachloroethane	20.0	18.3		ug/L		92	63 - 139	4	30
1,1,2-Trichloroethane	20.0	19.7		ug/L		99	74 - 125	0	30
1,1-Dichloroethane	20.0	18.8		ug/L		94	73 - 130	3	30
1,1-Dichloroethene	20.0	21.0		ug/L		105	68 - 133	2	30
1,2,3-Trichlorobenzene	20.0	23.7		ug/L		119	53 - 144	0	30
1,2,4-Trichlorobenzene	20.0	23.2		ug/L		116	64 - 132	1	30
1,2-Dibromo-3-Chloropropane	20.0	19.2		ug/L		96	41 - 143	10	30
1,2-Dibromoethane	20.0	20.3		ug/L		102	69 - 126	5	30
1,2-Dichlorobenzene	20.0	22.1		ug/L		111	79 - 122	3	30
1,2-Dichloroethane	20.0	18.6		ug/L		93	75 - 121	6	30
1,2-Dichloropropane	20.0	19.0		ug/L		95	76 - 126	1	30
1,3-Dichlorobenzene	20.0	22.2		ug/L		111	80 - 121	1	30

Method: 8260C - Volatile Organic Compounds by GC/MS (Continued)

Lab Sample ID: LCSD 460-706558/6
Matrix: Water
Analysis Batch: 706558

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			20.0	21.8		ug/L		109	80 - 118	2	30
1,4-Dioxane			400	465		ug/L		116	70 - 142	0	30
2-Butanone			100	114		ug/L		114	69 - 128	3	30
2-Hexanone			100	106		ug/L		106	74 - 127	2	30
4-Methyl-2-pentanone			100	108		ug/L		108	78 - 125	4	30
Acetone			100	69.4		ug/L		69	61 - 134	12	30
Benzene			20.0	19.8		ug/L		99	78 - 126	3	30
Bromochloromethane			20.0	21.5		ug/L		108	73 - 126	5	30
Bromodichloromethane			20.0	19.6		ug/L		98	72 - 121	4	30
Bromoform			20.0	22.4		ug/L		112	38 - 144	1	30
Bromomethane			20.0	17.0		ug/L		85	10 - 150	2	30
Carbon disulfide			20.0	20.6		ug/L		103	64 - 138	0	30
Carbon tetrachloride			20.0	21.0		ug/L		105	56 - 131	2	30
Chlorobenzene			20.0	20.9		ug/L		104	80 - 119	1	30
Chloroethane			20.0	15.1		ug/L		75	29 - 150	4	30
Chloroform			20.0	20.4		ug/L		102	78 - 125	1	30
Chloromethane			20.0	11.4		ug/L		57	38 - 150	0	30
cis-1,2-Dichloroethene			20.0	20.5		ug/L		103	78 - 121	3	30
cis-1,3-Dichloropropene			20.0	18.3		ug/L		92	74 - 125	2	30
Cyclohexane			20.0	20.8		ug/L		104	67 - 133	3	30
Dibromochloromethane			20.0	20.8		ug/L		104	58 - 130	2	30
Dichlorodifluoromethane			20.0	8.62		ug/L		43	31 - 150	1	30
Ethylbenzene			20.0	21.0		ug/L		105	78 - 120	3	30
Freon TF			20.0	21.9		ug/L		109	59 - 142	2	30
Isopropylbenzene			20.0	21.5		ug/L		107	79 - 125	3	30
m&p-Xylene			20.0	21.6		ug/L		108	78 - 123	4	30
Methyl acetate			40.0	33.4		ug/L		84	70 - 127	0	30
Methylcyclohexane			20.0	21.2		ug/L		106	60 - 139	3	30
Methylene Chloride			20.0	20.4		ug/L		102	74 - 127	1	30
MTBE			20.0	20.2		ug/L		101	65 - 131	2	30
o-Xylene			20.0	22.3		ug/L		111	78 - 122	0	30
Styrene			20.0	21.7		ug/L		108	75 - 127	2	30
Tetrachloroethene			20.0	23.1		ug/L		115	70 - 127	3	30
Toluene			20.0	19.7		ug/L		99	78 - 119	3	30
trans-1,2-Dichloroethene			20.0	20.4		ug/L		102	74 - 126	4	30
trans-1,3-Dichloropropene			20.0	18.2		ug/L		91	66 - 127	4	30
Trichloroethene			20.0	20.8		ug/L		104	71 - 121	0	30
Trichlorofluoromethane			20.0	17.8		ug/L		89	61 - 140	2	30
Vinyl chloride			20.0	13.3		ug/L		66	61 - 144	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
1,2-Dichloroethane-d4 (Surr)	*90*		*75 - 123*
Bromofluorobenzene	*111*		*76 - 120*
Dibromofluoromethane (Surr)	*99*		*77 - 124*
Toluene-d8 (Surr)	*98*		*80 - 120*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-705856/1-A
Matrix: Water
Analysis Batch: 705963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,4,5-Trichlorophenol	0.88	U	10	0.88	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,4,6-Trichlorophenol	0.86	U	10	0.86	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,4-Dichlorophenol	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,4-Dimethylphenol	0.62	U	10	0.62	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,4-Dinitrophenol	14	U	20	14	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,4-Dinitrotoluene	1.0	U	2.0	1.0	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,6-Dinitrotoluene	0.83	U	2.0	0.83	ug/L		07/04/20 07:59	07/04/20 20:58	1
2-Chloronaphthalene	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 20:58	1
2-Chlorophenol	0.38	U	10	0.38	ug/L		07/04/20 07:59	07/04/20 20:58	1
2-Methylnaphthalene	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 20:58	1
2-Methylphenol	0.67	U	10	0.67	ug/L		07/04/20 07:59	07/04/20 20:58	1
2-Nitroaniline	0.47	U	10	0.47	ug/L		07/04/20 07:59	07/04/20 20:58	1
2-Nitrophenol	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 20:58	1
3,3'-Dichlorobenzidine	1.4	U	10	1.4	ug/L		07/04/20 07:59	07/04/20 20:58	1
3-Nitroaniline	1.9	U	10	1.9	ug/L		07/04/20 07:59	07/04/20 20:58	1
4,6-Dinitro-2-methylphenol	13	U	20	13	ug/L		07/04/20 07:59	07/04/20 20:58	1
4-Bromophenyl phenyl ether	0.75	U	10	0.75	ug/L		07/04/20 07:59	07/04/20 20:58	1
4-Chloro-3-methylphenol	0.58	U	10	0.58	ug/L		07/04/20 07:59	07/04/20 20:58	1
4-Chloroaniline	1.9	U	10	1.9	ug/L		07/04/20 07:59	07/04/20 20:58	1
4-Chlorophenyl phenyl ether	1.3	U	10	1.3	ug/L		07/04/20 07:59	07/04/20 20:58	1
4-Methylphenol	0.65	U	10	0.65	ug/L		07/04/20 07:59	07/04/20 20:58	1
4-Nitroaniline	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 20:58	1
4-Nitrophenol	4.0	U	20	4.0	ug/L		07/04/20 07:59	07/04/20 20:58	1
Acenaphthene	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 20:58	1
Acenaphthylene	0.82	U	10	0.82	ug/L		07/04/20 07:59	07/04/20 20:58	1
Acetophenone	2.3	U	10	2.3	ug/L		07/04/20 07:59	07/04/20 20:58	1
Anthracene	0.63	U	10	0.63	ug/L		07/04/20 07:59	07/04/20 20:58	1
Atrazine	1.3	U	2.0	1.3	ug/L		07/04/20 07:59	07/04/20 20:58	1
Benzaldehyde	2.1	U	10	2.1	ug/L		07/04/20 07:59	07/04/20 20:58	1
Benzo[a]anthracene	0.59	U	1.0	0.59	ug/L		07/04/20 07:59	07/04/20 20:58	1
Benzo[a]pyrene	0.41	U	1.0	0.41	ug/L		07/04/20 07:59	07/04/20 20:58	1
Benzo[b]fluoranthene	0.68	U	2.0	0.68	ug/L		07/04/20 07:59	07/04/20 20:58	1
Benzo[g,h,i]perylene	1.4	U	10	1.4	ug/L		07/04/20 07:59	07/04/20 20:58	1
Benzo[k]fluoranthene	0.67	U	1.0	0.67	ug/L		07/04/20 07:59	07/04/20 20:58	1
Bis(2-chloroethoxy)methane	0.59	U	10	0.59	ug/L		07/04/20 07:59	07/04/20 20:58	1
Bis(2-chloroethyl)ether	0.63	U	1.0	0.63	ug/L		07/04/20 07:59	07/04/20 20:58	1
Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7	ug/L		07/04/20 07:59	07/04/20 20:58	1
Butyl benzyl phthalate	0.85	U	10	0.85	ug/L		07/04/20 07:59	07/04/20 20:58	1
Caprolactam	0.68	U	10	0.68	ug/L		07/04/20 07:59	07/04/20 20:58	1
Carbazole	0.68	U	10	0.68	ug/L		07/04/20 07:59	07/04/20 20:58	1
Chrysene	0.91	U	2.0	0.91	ug/L		07/04/20 07:59	07/04/20 20:58	1
Dibenz(a,h)anthracene	0.72	U	1.0	0.72	ug/L		07/04/20 07:59	07/04/20 20:58	1
Dibenzofuran	1.1	U	10	1.1	ug/L		07/04/20 07:59	07/04/20 20:58	1
Diethyl phthalate	0.98	U	10	0.98	ug/L		07/04/20 07:59	07/04/20 20:58	1
Dimethyl phthalate	0.77	U	10	0.77	ug/L		07/04/20 07:59	07/04/20 20:58	1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 460-705856/1-A
Matrix: Water
Analysis Batch: 705963

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 705856

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Di-n-butyl phthalate	0.84	U	10	0.84	ug/L		07/04/20 07:59	07/04/20 20:58	1
Di-n-octyl phthalate	4.8	U	10	4.8	ug/L		07/04/20 07:59	07/04/20 20:58	1
Diphenyl	1.2	U	10	1.2	ug/L		07/04/20 07:59	07/04/20 20:58	1
Fluoranthene	0.84	U	10	0.84	ug/L		07/04/20 07:59	07/04/20 20:58	1
Fluorene	0.91	U	10	0.91	ug/L		07/04/20 07:59	07/04/20 20:58	1
Hexachlorobenzene	0.40	U	1.0	0.40	ug/L		07/04/20 07:59	07/04/20 20:58	1
Hexachlorobutadiene	0.78	U	1.0	0.78	ug/L		07/04/20 07:59	07/04/20 20:58	1
Hexachlorocyclopentadiene	3.6	U	10	3.6	ug/L		07/04/20 07:59	07/04/20 20:58	1
Hexachloroethane	0.80	U	2.0	0.80	ug/L		07/04/20 07:59	07/04/20 20:58	1
Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94	ug/L		07/04/20 07:59	07/04/20 20:58	1
Isophorone	0.80	U	10	0.80	ug/L		07/04/20 07:59	07/04/20 20:58	1
Naphthalene	1.1	U	2.0	1.1	ug/L		07/04/20 07:59	07/04/20 20:58	1
Nitrobenzene	0.57	U	1.0	0.57	ug/L		07/04/20 07:59	07/04/20 20:58	1
N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43	ug/L		07/04/20 07:59	07/04/20 20:58	1
N-Nitrosodiphenylamine	0.89	U	10	0.89	ug/L		07/04/20 07:59	07/04/20 20:58	1
Pentachlorophenol	1.4	U	20	1.4	ug/L		07/04/20 07:59	07/04/20 20:58	1
Phenanthrene	0.58	U	10	0.58	ug/L		07/04/20 07:59	07/04/20 20:58	1
Phenol	0.29	U	10	0.29	ug/L		07/04/20 07:59	07/04/20 20:58	1
Pyrene	1.6	U	10	1.6	ug/L		07/04/20 07:59	07/04/20 20:58	1
2,3,7,8-TCDD	1.0	U	1.0	1.0	ug/L		07/04/20 07:59	07/04/20 20:58	1

Tentatively Identified Compound	*Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Tentatively Identified Compound	*None*		*ug/L*				*07/04/20 07:59*	*07/04/20 20:58*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*118*		*36 - 159*	*07/04/20 07:59*	*07/04/20 20:58*	*1*
2-Fluorobiphenyl	*96*		*42 - 127*	*07/04/20 07:59*	*07/04/20 20:58*	*1*
2-Fluorophenol	*52*		*18 - 72*	*07/04/20 07:59*	*07/04/20 20:58*	*1*
Nitrobenzene-d5	*95*		*46 - 137*	*07/04/20 07:59*	*07/04/20 20:58*	*1*
Phenol-d5	*36*		*10 - 50*	*07/04/20 07:59*	*07/04/20 20:58*	*1*
Terphenyl-d14	*126*		*39 - 150*	*07/04/20 07:59*	*07/04/20 20:58*	*1*

Lab Sample ID: LCS 460-705856/2-A
Matrix: Water
Analysis Batch: 705963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4,5-Tetrachlorobenzene	80.0	72.9		ug/L		91	48 - 109
2,2'-oxybis[1-chloropropane]	80.0	56.2		ug/L		70	38 - 124
2,3,4,6-Tetrachlorophenol	80.0	77.9		ug/L		97	64 - 123
2,4,5-Trichlorophenol	80.0	76.2		ug/L		95	64 - 110
2,4,6-Trichlorophenol	80.0	80.3		ug/L		100	64 - 115
2,4-Dichlorophenol	80.0	69.3		ug/L		87	65 - 107
2,4-Dimethylphenol	80.0	64.0		ug/L		80	59 - 101
2,4-Dinitrophenol	160	166		ug/L		104	36 - 150
2,4-Dinitrotoluene	80.0	79.4		ug/L		99	63 - 122
2,6-Dinitrotoluene	80.0	79.2		ug/L		99	71 - 118
2-Chloronaphthalene	80.0	72.0		ug/L		90	57 - 102

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-705856/2-A
Matrix: Water
Analysis Batch: 705963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
2-Chlorophenol	80.0	62.9		ug/L		79	57 - 93
2-Methylnaphthalene	80.0	66.8		ug/L		83	57 - 103
2-Methylphenol	80.0	51.6		ug/L		65	45 - 86
2-Nitroaniline	80.0	56.4		ug/L		71	54 - 123
2-Nitrophenol	80.0	73.1		ug/L		91	60 - 126
3,3'-Dichlorobenzidine	80.0	88.4		ug/L		110	59 - 125
3-Nitroaniline	80.0	68.0		ug/L		85	57 - 110
4,6-Dinitro-2-methylphenol	160	165		ug/L		103	69 - 149
4-Bromophenyl phenyl ether	80.0	82.8		ug/L		103	65 - 115
4-Chloro-3-methylphenol	80.0	63.9		ug/L		80	60 - 107
4-Chloroaniline	80.0	62.7		ug/L		78	43 - 105
4-Chlorophenyl phenyl ether	80.0	74.8		ug/L		93	60 - 113
4-Methylphenol	80.0	46.5		ug/L		58	37 - 86
4-Nitroaniline	80.0	69.5		ug/L		87	52 - 122
4-Nitrophenol	160	58.9		ug/L		37	17 - 61
Acenaphthene	80.0	69.7		ug/L		87	54 - 108
Acenaphthylene	80.0	73.4		ug/L		92	64 - 102
Acetophenone	80.0	64.5		ug/L		81	65 - 109
Anthracene	80.0	76.9		ug/L		96	69 - 110
Atrazine	40.0	64.7	*	ug/L		162	10 - 150
Benzaldehyde	40.0	51.8		ug/L		130	47 - 134
Benzo[a]anthracene	80.0	78.3		ug/L		98	71 - 114
Benzo[a]pyrene	80.0	82.8		ug/L		104	67 - 106
Benzo[b]fluoranthene	80.0	83.2		ug/L		104	65 - 113
Benzo[g,h,i]perylene	80.0	75.3		ug/L		94	48 - 145
Benzo[k]fluoranthene	80.0	83.6		ug/L		105	66 - 116
Bis(2-chloroethoxy)methane	80.0	67.4		ug/L		84	64 - 114
Bis(2-chloroethyl)ether	80.0	67.2		ug/L		84	57 - 112
Bis(2-ethylhexyl) phthalate	80.0	73.6		ug/L		92	60 - 135
Butyl benzyl phthalate	80.0	74.5		ug/L		93	63 - 126
Caprolactam	40.0	13.5		ug/L		34	10 - 60
Carbazole	80.0	75.3		ug/L		94	68 - 113
Chrysene	80.0	76.8		ug/L		96	74 - 122
Dibenz(a,h)anthracene	80.0	76.7		ug/L		96	57 - 144
Dibenzofuran	80.0	72.1		ug/L		90	65 - 104
Diethyl phthalate	80.0	72.8		ug/L		91	65 - 105
Dimethyl phthalate	80.0	74.5		ug/L		93	68 - 105
Di-n-butyl phthalate	80.0	74.3		ug/L		93	66 - 113
Di-n-octyl phthalate	80.0	73.0		ug/L		91	40 - 133
Diphenyl	80.0	70.5		ug/L		88	59 - 102
Fluoranthene	80.0	79.8		ug/L		100	66 - 116
Fluorene	80.0	72.9		ug/L		91	64 - 108
Hexachlorobenzene	80.0	81.9		ug/L		102	59 - 129
Hexachlorobutadiene	80.0	67.1		ug/L		84	33 - 98
Hexachlorocyclopentadiene	80.0	59.7		ug/L		75	14 - 97
Hexachloroethane	80.0	59.4		ug/L		74	27 - 94
Indeno[1,2,3-cd]pyrene	80.0	80.3		ug/L		100	55 - 139
Isophorone	80.0	69.0		ug/L		86	64 - 113
Naphthalene	80.0	67.3		ug/L		84	56 - 99

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-705856/2-A
Matrix: Water
Analysis Batch: 705963

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 705856

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrobenzene			80.0	67.9		ug/L		85	67 - 109		
N-Nitrosodi-n-propylamine			80.0	63.1		ug/L		79	60 - 111		
N-Nitrosodiphenylamine			80.0	77.0		ug/L		96	67 - 110		
Pentachlorophenol			160	170		ug/L		106	57 - 135		
Phenanthrene			80.0	75.6		ug/L		94	69 - 108		
Phenol			80.0	25.6		ug/L		32	20 - 53		
Pyrene			80.0	75.5		ug/L		94	66 - 121		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol	*119*		*36 - 159*
2-Fluorobiphenyl	*100*		*42 - 127*
2-Fluorophenol	*53*		*18 - 72*
Nitrobenzene-d5	*94*		*46 - 137*
Phenol-d5	*36*		*10 - 50*
Terphenyl-d14	*122*		*39 - 150*

Lab Sample ID: LCSD 460-705856/3-A
Matrix: Water
Analysis Batch: 705963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705856

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4,5-Tetrachlorobenzene			80.0	78.4		ug/L		98	48 - 109	7	30
2,2'-oxybis[1-chloropropane]			80.0	58.7		ug/L		73	38 - 124	4	30
2,3,4,6-Tetrachlorophenol			80.0	81.4		ug/L		102	64 - 123	4	30
2,4,5-Trichlorophenol			80.0	79.0		ug/L		99	64 - 110	4	30
2,4,6-Trichlorophenol			80.0	83.5		ug/L		104	64 - 115	4	30
2,4-Dichlorophenol			80.0	74.1		ug/L		93	65 - 107	7	30
2,4-Dimethylphenol			80.0	68.0		ug/L		85	59 - 101	6	30
2,4-Dinitrophenol			160	177		ug/L		111	36 - 150	6	30
2,4-Dinitrotoluene			80.0	83.2		ug/L		104	63 - 122	5	30
2,6-Dinitrotoluene			80.0	84.3		ug/L		105	71 - 118	6	30
2-Chloronaphthalene			80.0	76.0		ug/L		95	57 - 102	5	30
2-Chlorophenol			80.0	65.5		ug/L		82	57 - 93	4	30
2-Methylnaphthalene			80.0	72.1		ug/L		90	57 - 103	8	30
2-Methylphenol			80.0	54.3		ug/L		68	45 - 86	5	30
2-Nitroaniline			80.0	59.3		ug/L		74	54 - 123	5	30
2-Nitrophenol			80.0	79.1		ug/L		99	60 - 126	8	30
3,3'-Dichlorobenzidine			80.0	92.2		ug/L		115	59 - 125	4	30
3-Nitroaniline			80.0	71.3		ug/L		89	57 - 110	5	30
4,6-Dinitro-2-methylphenol			160	176		ug/L		110	69 - 149	7	30
4-Bromophenyl phenyl ether			80.0	88.4		ug/L		111	65 - 115	7	30
4-Chloro-3-methylphenol			80.0	67.4		ug/L		84	60 - 107	5	30
4-Chloroaniline			80.0	68.1		ug/L		85	43 - 105	8	30
4-Chlorophenyl phenyl ether			80.0	79.2		ug/L		99	60 - 113	6	30
4-Methylphenol			80.0	48.7		ug/L		61	37 - 86	5	30
4-Nitroaniline			80.0	73.3		ug/L		92	52 - 122	5	30
4-Nitrophenol			160	58.7		ug/L		37	17 - 61	0	30
Acenaphthene			80.0	73.9		ug/L		92	54 - 108	6	30

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-705856/3-A
Matrix: Water
Analysis Batch: 705963

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 705856

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthylene			80.0	77.2		ug/L		96	64 - 102	5	30
Acetophenone			80.0	68.1		ug/L		85	65 - 109	5	30
Anthracene			80.0	81.1		ug/L		101	69 - 110	5	30
Atrazine			40.0	97.9	* *1	ug/L		245	10 - 150	41	30
Benzaldehyde			40.0	82.5	* *1	ug/L		206	47 - 134	46	30
Benzo[a]anthracene			80.0	83.5		ug/L		104	71 - 114	6	30
Benzo[a]pyrene			80.0	88.1	*	ug/L		110	67 - 106	6	30
Benzo[b]fluoranthene			80.0	89.0		ug/L		111	65 - 113	7	30
Benzo[g,h,i]perylene			80.0	81.3		ug/L		102	48 - 145	8	30
Benzo[k]fluoranthene			80.0	89.0		ug/L		111	66 - 116	6	30
Bis(2-chloroethoxy)methane			80.0	70.5		ug/L		88	64 - 114	5	30
Bis(2-chloroethyl)ether			80.0	71.7		ug/L		90	57 - 112	6	30
Bis(2-ethylhexyl) phthalate			80.0	78.9		ug/L		99	60 - 135	7	30
Butyl benzyl phthalate			80.0	80.0		ug/L		100	63 - 126	7	30
Caprolactam			40.0	21.6	*1	ug/L		54	10 - 60	46	30
Carbazole			80.0	78.5		ug/L		98	68 - 113	4	30
Chrysene			80.0	82.3		ug/L		103	74 - 122	7	30
Dibenz(a,h)anthracene			80.0	86.4		ug/L		108	57 - 144	12	30
Dibenzofuran			80.0	76.4		ug/L		96	65 - 104	6	30
Diethyl phthalate			80.0	76.0		ug/L		95	65 - 105	4	30
Dimethyl phthalate			80.0	76.6		ug/L		96	68 - 105	3	30
Di-n-butyl phthalate			80.0	79.0		ug/L		99	66 - 113	6	30
Di-n-octyl phthalate			80.0	78.0		ug/L		98	40 - 133	7	30
Diphenyl			80.0	74.7		ug/L		93	59 - 102	6	30
Fluoranthene			80.0	84.9		ug/L		106	66 - 116	6	30
Fluorene			80.0	76.1		ug/L		95	64 - 108	4	30
Hexachlorobenzene			80.0	86.9		ug/L		109	59 - 129	6	30
Hexachlorobutadiene			80.0	72.7		ug/L		91	33 - 98	8	30
Hexachlorocyclopentadiene			80.0	65.2		ug/L		82	14 - 97	9	30
Hexachloroethane			80.0	64.1		ug/L		80	27 - 94	8	30
Indeno[1,2,3-cd]pyrene			80.0	86.7		ug/L		108	55 - 139	8	30
Isophorone			80.0	73.4		ug/L		92	64 - 113	6	30
Naphthalene			80.0	71.8		ug/L		90	56 - 99	7	30
Nitrobenzene			80.0	72.8		ug/L		91	67 - 109	7	30
N-Nitrosodi-n-propylamine			80.0	67.2		ug/L		84	60 - 111	6	30
N-Nitrosodiphenylamine			80.0	81.6		ug/L		102	67 - 110	6	30
Pentachlorophenol			160	178		ug/L		111	57 - 135	4	30
Phenanthrene			80.0	80.0		ug/L		100	69 - 108	6	30
Phenol			80.0	25.4		ug/L		32	20 - 53	1	30
Pyrene			80.0	80.8		ug/L		101	66 - 121	7	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol	*128*		*36 - 159*
2-Fluorobiphenyl	*108*		*42 - 127*
2-Fluorophenol	*55*		*18 - 72*
Nitrobenzene-d5	*102*		*46 - 137*
Phenol-d5	*36*		*10 - 50*
Terphenyl-d14	*131*		*39 - 150*

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

GC/MS Semi VOA

Qualifier	Qualifier Description
*	LCS or LCSD is outside acceptance limits.
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
U	Indicates the analyte was analyzed for but not detected.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
J	Indicates an Estimated Value for TICs
N	This flag indicates the presumptive evidence of a compound.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)

Glossary (Continued)

Abbreviation	These commonly used abbreviations may or may not be present in this report.
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

GC/MS VOA

Analysis Batch: 706284

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-212426-1	MW-2A	Total/NA	Water	8260C	
460-212426-2	MW-7A	Total/NA	Water	8260C	
460-212426-3	Dup	Total/NA	Water	8260C	
MB 460-706284/10	Method Blank	Total/NA	Water	8260C	
LCS 460-706284/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-706284/6	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 706392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-212426-4	TB	Total/NA	Water	8260C	
MB 460-706392/9	Method Blank	Total/NA	Water	8260C	
LCS 460-706392/4	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-706392/5	Lab Control Sample Dup	Total/NA	Water	8260C	

Analysis Batch: 706558

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-212426-1 - RA	MW-2A	Total/NA	Water	8260C	
460-212426-3 - RA	Dup	Total/NA	Water	8260C	
MB 460-706558/9	Method Blank	Total/NA	Water	8260C	
LCS 460-706558/5	Lab Control Sample	Total/NA	Water	8260C	
LCSD 460-706558/6	Lab Control Sample Dup	Total/NA	Water	8260C	

GC/MS Semi VOA

Prep Batch: 705856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-212426-1	MW-2A	Total/NA	Water	3510C	
460-212426-2	MW-7A	Total/NA	Water	3510C	
460-212426-3	Dup	Total/NA	Water	3510C	
MB 460-705856/1-A	Method Blank	Total/NA	Water	3510C	
LCS 460-705856/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCSD 460-705856/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 705963

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-212426-1	MW-2A	Total/NA	Water	8270D	705856
460-212426-2	MW-7A	Total/NA	Water	8270D	705856
460-212426-3	Dup	Total/NA	Water	8270D	705856
MB 460-705856/1-A	Method Blank	Total/NA	Water	8270D	705856
LCS 460-705856/2-A	Lab Control Sample	Total/NA	Water	8270D	705856
LCSD 460-705856/3-A	Lab Control Sample Dup	Total/NA	Water	8270D	705856

Lab Chronicle

Client: SESI Consulting Engineers
Project/Site: Harbor Square, Ossining

Job ID: 460-212426-1

Client Sample ID: MW-2A
Date Collected: 06/30/20 10:10
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	706284	07/07/20 03:45	GXY	TAL EDI
Total/NA	Analysis	8260C	RA	1	706558	07/08/20 00:10	GXY	TAL EDI
Total/NA	Prep	3510C			705856	07/04/20 07:59	DXD	TAL EDI
Total/NA	Analysis	8270D		1	705963	07/04/20 22:42	YAH	TAL EDI

Client Sample ID: MW-7A
Date Collected: 06/30/20 11:35
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	706284	07/07/20 04:09	GXY	TAL EDI
Total/NA	Prep	3510C			705856	07/04/20 07:59	DXD	TAL EDI
Total/NA	Analysis	8270D		1	705963	07/04/20 23:03	YAH	TAL EDI

Client Sample ID: Dup
Date Collected: 06/30/20 00:00
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	706284	07/07/20 04:32	GXY	TAL EDI
Total/NA	Analysis	8260C	RA	1	706558	07/08/20 00:34	GXY	TAL EDI
Total/NA	Prep	3510C			705856	07/04/20 07:59	DXD	TAL EDI
Total/NA	Analysis	8270D		1	705963	07/04/20 23:24	YAH	TAL EDI

Client Sample ID: TB
Date Collected: 06/30/20 00:00
Date Received: 07/01/20 16:10

Lab Sample ID: 460-212426-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260C		1	706392	07/07/20 13:30	CJM	TAL EDI

Laboratory References:
TAL EDI = Eurofins TestAmerica, Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

Accreditation/Certification Summary

Client: SESI Consulting Engineers
Job ID: 460-212426-1
Project/Site: Harbor Square, Ossining

Laboratory: Eurofins TestAmerica, Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-21

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
8270D	3510C	Water	2,3,7,8-TCDD

8260C

Volatile Organic Compounds by GC/MS

FORM II
GC/MS VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtx-624 ID: 0.25(mm)

Client Sample ID	Lab Sample ID	DBFM #	DCA #	TOL #	BFB #
MW-2A	460-212426-1	94	85	94	99
MW-2A RA	460-212426-1 RA	103	92	96	110
MW-7A	460-212426-2	100	96	101	108
Dup	460-212426-3	95	89	95	103
Dup RA	460-212426-3 RA	103	93	97	110
TB	460-212426-4	101	95	100	106
	MB 460-706284/10	93	89	93	102
	MB 460-706392/9	96	91	97	104
	MB 460-706558/9	103	90	98	105
	LCS 460-706284/4	93	85	93	100
	LCS 460-706392/4	100	88	97	103
	LCS 460-706558/5	99	90	97	109
	LCSD 460-706284/6	95	91	99	102
	LCSD 460-706392/5	100	93	99	105
	LCSD 460-706558/6	99	90	98	111

	QC LIMITS
DBFM = Dibromofluoromethane (Surr)	77-124
DCA = 1,2-Dichloroethane-d4 (Surr)	75-123
TOL = Toluene-d8 (Surr)	80-120
BFB = Bromofluorobenzene	76-120

Column to be used to flag recovery values

FORM II 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A90785.D

Lab ID: LCS 460-706284/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.9	105	68-128	
1,1,2,2-Tetrachloroethane	20.0	18.9	94	63-139	
1,1,2-Trichloroethane	20.0	19.9	99	74-125	
1,1-Dichloroethane	20.0	18.7	93	73-130	
1,1-Dichloroethene	20.0	18.7	94	68-133	
1,2,3-Trichlorobenzene	20.0	30.9	154	53-144	*
1,2,4-Trichlorobenzene	20.0	24.3	121	64-132	
1,2-Dibromo-3-Chloropropane	20.0	19.4	97	41-143	
1,2-Dibromoethane	20.0	21.8	109	69-126	
1,2-Dichlorobenzene	20.0	21.2	106	79-122	
1,2-Dichloroethane	20.0	19.1	96	75-121	
1,2-Dichloropropane	20.0	19.2	96	76-126	
1,3-Dichlorobenzene	20.0	20.9	105	80-121	
1,4-Dichlorobenzene	20.0	21.0	105	80-118	
1,4-Dioxane	400	440	110	70-142	
2-Butanone	100	110	110	69-128	
2-Hexanone	100	104	104	74-127	
4-Methyl-2-pentanone	100	111	111	78-125	
Acetone	100	85.9	86	61-134	
Benzene	20.0	19.7	99	78-126	
Bromochloromethane	20.0	21.4	107	73-126	
Bromodichloromethane	20.0	21.4	107	72-121	
Bromoform	20.0	26.4	132	38-144	
Bromomethane	20.0	18.7	94	10-150	
Carbon disulfide	20.0	19.6	98	64-138	
Carbon tetrachloride	20.0	25.0	125	56-131	
Chlorobenzene	20.0	21.0	105	80-119	
Chloroethane	20.0	17.0	85	29-150	
Chloroform	20.0	20.2	101	78-125	
Chloromethane	20.0	13.8	69	38-150	
cis-1,2-Dichloroethene	20.0	20.0	100	78-121	
cis-1,3-Dichloropropene	20.0	21.4	107	74-125	
Cyclohexane	20.0	20.2	101	67-133	
Dibromochloromethane	20.0	23.1	115	58-130	
Dichlorodifluoromethane	20.0	10.6	53	31-150	
Ethylbenzene	20.0	19.7	98	78-120	
Freon TF	20.0	20.2	101	59-142	
Isopropylbenzene	20.0	20.5	102	79-125	
m&p-Xylene	20.0	20.3	101	78-123	
Methyl acetate	40.0	31.7	79	70-127	
Methylcyclohexane	20.0	22.3	111	60-139	
Methylene Chloride	20.0	18.9	95	74-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A90785.D

Lab ID: LCS 460-706284/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
MTBE	20.0	21.3	107	65-131	
o-Xylene	20.0	20.3	102	78-122	
Styrene	20.0	20.7	104	75-127	
Tetrachloroethene	20.0	21.3	107	70-127	
Toluene	20.0	20.6	103	78-119	
trans-1,2-Dichloroethene	20.0	19.6	98	74-126	
trans-1,3-Dichloropropene	20.0	25.0	125	66-127	
Trichloroethene	20.0	19.3	97	71-121	
Trichlorofluoromethane	20.0	18.5	92	61-140	
Vinyl chloride	20.0	15.7	79	61-144	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A90815.D

Lab ID: LCS 460-706392/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	18.7	93	68-128	
1,1,2,2-Tetrachloroethane	20.0	16.8	84	63-139	
1,1,2-Trichloroethane	20.0	17.3	87	74-125	
1,1-Dichloroethane	20.0	17.2	86	73-130	
1,1-Dichloroethene	20.0	17.2	86	68-133	
1,2,3-Trichlorobenzene	20.0	27.2	136	53-144	
1,2,4-Trichlorobenzene	20.0	20.9	105	64-132	
1,2-Dibromo-3-Chloropropane	20.0	17.7	89	41-143	
1,2-Dibromoethane	20.0	19.3	96	69-126	
1,2-Dichlorobenzene	20.0	18.6	93	79-122	
1,2-Dichloroethane	20.0	17.8	89	75-121	
1,2-Dichloropropane	20.0	17.0	85	76-126	
1,3-Dichlorobenzene	20.0	18.1	91	80-121	
1,4-Dichlorobenzene	20.0	17.8	89	80-118	
1,4-Dioxane	400	384	96	70-142	
2-Butanone	100	100	100	69-128	
2-Hexanone	100	92.2	92	74-127	
4-Methyl-2-pentanone	100	97.5	98	78-125	
Acetone	100	73.0	73	61-134	
Benzene	20.0	17.8	89	78-126	
Bromochloromethane	20.0	19.5	97	73-126	
Bromodichloromethane	20.0	18.3	92	72-121	
Bromoform	20.0	22.9	115	38-144	
Bromomethane	20.0	18.6	93	10-150	
Carbon disulfide	20.0	16.4	82	64-138	
Carbon tetrachloride	20.0	22.0	110	56-131	
Chlorobenzene	20.0	19.2	96	80-119	
Chloroethane	20.0	17.2	86	29-150	
Chloroform	20.0	17.9	90	78-125	
Chloromethane	20.0	14.2	71	38-150	
cis-1,2-Dichloroethene	20.0	18.0	90	78-121	
cis-1,3-Dichloropropene	20.0	19.2	96	74-125	
Cyclohexane	20.0	17.5	87	67-133	
Dibromochloromethane	20.0	19.5	97	58-130	
Dichlorodifluoromethane	20.0	14.4	72	31-150	
Ethylbenzene	20.0	17.3	86	78-120	
Freon TF	20.0	16.9	84	59-142	
Isopropylbenzene	20.0	17.9	90	79-125	
m&p-Xylene	20.0	18.3	91	78-123	
Methyl acetate	40.0	31.4	79	70-127	
Methylcyclohexane	20.0	19.6	98	60-139	
Methylene Chloride	20.0	16.7	84	74-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A90815.D

Lab ID: LCS 460-706392/4 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
MTBE	20.0	19.0	95	65-131	
o-Xylene	20.0	18.3	92	78-122	
Styrene	20.0	19.2	96	75-127	
Tetrachloroethene	20.0	19.1	96	70-127	
Toluene	20.0	17.9	90	78-119	
trans-1,2-Dichloroethene	20.0	17.9	90	74-126	
trans-1,3-Dichloropropene	20.0	20.3	102	66-127	
Trichloroethene	20.0	18.6	93	71-121	
Trichlorofluoromethane	20.0	20.1	100	61-140	
Vinyl chloride	20.0	16.3	82	61-144	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F98172.D

Lab ID: LCS 460-706558/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.7	103	68-128	
1,1,2,2-Tetrachloroethane	20.0	19.0	95	63-139	
1,1,2-Trichloroethane	20.0	19.7	99	74-125	
1,1-Dichloroethane	20.0	19.4	97	73-130	
1,1-Dichloroethene	20.0	21.4	107	68-133	
1,2,3-Trichlorobenzene	20.0	23.7	119	53-144	
1,2,4-Trichlorobenzene	20.0	23.4	117	64-132	
1,2-Dibromo-3-Chloropropane	20.0	21.1	106	41-143	
1,2-Dibromoethane	20.0	21.4	107	69-126	
1,2-Dichlorobenzene	20.0	22.8	114	79-122	
1,2-Dichloroethane	20.0	19.7	99	75-121	
1,2-Dichloropropane	20.0	19.2	96	76-126	
1,3-Dichlorobenzene	20.0	22.5	112	80-121	
1,4-Dichlorobenzene	20.0	22.2	111	80-118	
1,4-Dioxane	400	464	116	70-142	
2-Butanone	100	117	117	69-128	
2-Hexanone	100	108	108	74-127	
4-Methyl-2-pentanone	100	113	113	78-125	
Acetone	100	78.2	78	61-134	
Benzene	20.0	20.5	102	78-126	
Bromochloromethane	20.0	22.5	113	73-126	
Bromodichloromethane	20.0	20.3	101	72-121	
Bromoform	20.0	22.6	113	38-144	
Bromomethane	20.0	16.7	84	10-150	
Carbon disulfide	20.0	20.5	103	64-138	
Carbon tetrachloride	20.0	20.4	102	56-131	
Chlorobenzene	20.0	21.2	106	80-119	
Chloroethane	20.0	14.4	72	29-150	
Chloroform	20.0	20.5	103	78-125	
Chloromethane	20.0	11.4	57	38-150	
cis-1,2-Dichloroethene	20.0	21.2	106	78-121	
cis-1,3-Dichloropropene	20.0	18.7	93	74-125	
Cyclohexane	20.0	21.4	107	67-133	
Dibromochloromethane	20.0	21.3	107	58-130	
Dichlorodifluoromethane	20.0	8.74	44	31-150	
Ethylbenzene	20.0	21.7	108	78-120	
Freon TF	20.0	22.4	112	59-142	
Isopropylbenzene	20.0	22.0	110	79-125	
m&p-Xylene	20.0	22.4	112	78-123	
Methyl acetate	40.0	33.4	83	70-127	
Methylcyclohexane	20.0	21.8	109	60-139	
Methylene Chloride	20.0	20.6	103	74-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F98172.D

Lab ID: LCS 460-706558/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
MTBE	20.0	20.7	103	65-131	
o-Xylene	20.0	22.3	112	78-122	
Styrene	20.0	22.1	111	75-127	
Tetrachloroethene	20.0	22.5	112	70-127	
Toluene	20.0	20.3	102	78-119	
trans-1,2-Dichloroethene	20.0	21.3	107	74-126	
trans-1,3-Dichloropropene	20.0	18.9	94	66-127	
Trichloroethene	20.0	20.7	103	71-121	
Trichlorofluoromethane	20.0	18.1	90	61-140	
Vinyl chloride	20.0	13.6	68	61-144	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A90787.D

Lab ID: LCSD 460-706284/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	21.6	108	3	30	68-128	
1,1,2,2-Tetrachloroethane	20.0	20.5	103	8	30	63-139	
1,1,2-Trichloroethane	20.0	20.5	102	3	30	74-125	
1,1-Dichloroethane	20.0	19.0	95	2	30	73-130	
1,1-Dichloroethene	20.0	19.4	97	3	30	68-133	
1,2,3-Trichlorobenzene	20.0	33.7	168	9	30	53-144	*
1,2,4-Trichlorobenzene	20.0	24.8	124	2	30	64-132	
1,2-Dibromo-3-Chloropropane	20.0	21.1	105	8	30	41-143	
1,2-Dibromoethane	20.0	22.9	115	5	30	69-126	
1,2-Dichlorobenzene	20.0	21.4	107	1	30	79-122	
1,2-Dichloroethane	20.0	19.3	96	1	30	75-121	
1,2-Dichloropropane	20.0	19.2	96	0	30	76-126	
1,3-Dichlorobenzene	20.0	21.3	106	2	30	80-121	
1,4-Dichlorobenzene	20.0	21.1	106	1	30	80-118	
1,4-Dioxane	400	444	111	1	30	70-142	
2-Butanone	100	109	109	1	30	69-128	
2-Hexanone	100	103	103	1	30	74-127	
4-Methyl-2-pentanone	100	110	110	1	30	78-125	
Acetone	100	88.1	88	3	30	61-134	
Benzene	20.0	20.5	102	4	30	78-126	
Bromochloromethane	20.0	21.2	106	1	30	73-126	
Bromodichloromethane	20.0	20.5	102	4	30	72-121	
Bromoform	20.0	26.7	133	1	30	38-144	
Bromomethane	20.0	17.6	88	6	30	10-150	
Carbon disulfide	20.0	19.8	99	1	30	64-138	
Carbon tetrachloride	20.0	24.9	124	0	30	56-131	
Chlorobenzene	20.0	21.4	107	1	30	80-119	
Chloroethane	20.0	16.6	83	3	30	29-150	
Chloroform	20.0	19.7	98	3	30	78-125	
Chloromethane	20.0	13.9	69	0	30	38-150	
cis-1,2-Dichloroethene	20.0	19.9	100	0	30	78-121	
cis-1,3-Dichloropropene	20.0	22.6	113	5	30	74-125	
Cyclohexane	20.0	20.1	101	1	30	67-133	
Dibromochloromethane	20.0	24.1	120	4	30	58-130	
Dichlorodifluoromethane	20.0	11.0	55	3	30	31-150	
Ethylbenzene	20.0	20.2	101	3	30	78-120	
Freon TF	20.0	21.3	107	5	30	59-142	
Isopropylbenzene	20.0	20.6	103	0	30	79-125	
m&p-Xylene	20.0	20.5	103	1	30	78-123	
Methyl acetate	40.0	34.7	87	9	30	70-127	
Methylcyclohexane	20.0	22.0	110	1	30	60-139	
Methylene Chloride	20.0	19.1	96	1	30	74-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A90787.D

Lab ID: LCSD 460-706284/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
MTBE	20.0	21.2	106	1	30	65-131	
o-Xylene	20.0	20.9	104	3	30	78-122	
Styrene	20.0	21.6	108	4	30	75-127	
Tetrachloroethene	20.0	20.7	104	3	30	70-127	
Toluene	20.0	20.6	103	0	30	78-119	
trans-1,2-Dichloroethene	20.0	19.0	95	3	30	74-126	
trans-1,3-Dichloropropene	20.0	25.1	125	0	30	66-127	
Trichloroethene	20.0	19.1	96	1	30	71-121	
Trichlorofluoromethane	20.0	18.1	90	2	30	61-140	
Vinyl chloride	20.0	15.8	79	1	30	61-144	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A90816.D

Lab ID: LCSD 460-706392/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	19.3	97	4	30	68-128	
1,1,2,2-Tetrachloroethane	20.0	18.7	94	11	30	63-139	
1,1,2-Trichloroethane	20.0	18.4	92	6	30	74-125	
1,1-Dichloroethane	20.0	18.8	94	9	30	73-130	
1,1-Dichloroethene	20.0	16.8	84	2	30	68-133	
1,2,3-Trichlorobenzene	20.0	29.7	149	9	30	53-144	*
1,2,4-Trichlorobenzene	20.0	22.1	111	5	30	64-132	
1,2-Dibromo-3-Chloropropane	20.0	19.1	95	8	30	41-143	
1,2-Dibromoethane	20.0	22.1	110	13	30	69-126	
1,2-Dichlorobenzene	20.0	19.3	97	4	30	79-122	
1,2-Dichloroethane	20.0	19.3	97	8	30	75-121	
1,2-Dichloropropane	20.0	18.5	93	9	30	76-126	
1,3-Dichlorobenzene	20.0	19.5	98	7	30	80-121	
1,4-Dichlorobenzene	20.0	19.7	98	10	30	80-118	
1,4-Dioxane	400	423	106	10	30	70-142	
2-Butanone	100	106	106	5	30	69-128	
2-Hexanone	100	99.1	99	7	30	74-127	
4-Methyl-2-pentanone	100	103	103	6	30	78-125	
Acetone	100	78.0	78	7	30	61-134	
Benzene	20.0	19.3	96	8	30	78-126	
Bromochloromethane	20.0	20.7	104	6	30	73-126	
Bromodichloromethane	20.0	20.1	100	9	30	72-121	
Bromoform	20.0	25.0	125	9	30	38-144	
Bromomethane	20.0	17.4	87	7	30	10-150	
Carbon disulfide	20.0	17.0	85	4	30	64-138	
Carbon tetrachloride	20.0	24.3	122	10	30	56-131	
Chlorobenzene	20.0	20.3	102	6	30	80-119	
Chloroethane	20.0	17.2	86	0	30	29-150	
Chloroform	20.0	19.9	99	10	30	78-125	
Chloromethane	20.0	14.3	71	0	30	38-150	
cis-1,2-Dichloroethene	20.0	19.3	97	7	30	78-121	
cis-1,3-Dichloropropene	20.0	20.7	103	8	30	74-125	
Cyclohexane	20.0	19.0	95	9	30	67-133	
Dibromochloromethane	20.0	21.4	107	9	30	58-130	
Dichlorodifluoromethane	20.0	13.8	69	4	30	31-150	
Ethylbenzene	20.0	19.5	98	12	30	78-120	
Freon TF	20.0	20.1	100	17	30	59-142	
Isopropylbenzene	20.0	19.6	98	9	30	79-125	
m&p-Xylene	20.0	19.8	99	8	30	78-123	
Methyl acetate	40.0	35.2	88	11	30	70-127	
Methylcyclohexane	20.0	21.3	107	9	30	60-139	
Methylene Chloride	20.0	17.7	88	6	30	74-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: A90816.D

Lab ID: LCSD 460-706392/5 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
MTBE	20.0	20.2	101	6	30	65-131	
o-Xylene	20.0	20.0	100	9	30	78-122	
Styrene	20.0	20.4	102	6	30	75-127	
Tetrachloroethene	20.0	20.3	101	6	30	70-127	
Toluene	20.0	19.4	97	8	30	78-119	
trans-1,2-Dichloroethene	20.0	19.2	96	7	30	74-126	
trans-1,3-Dichloropropene	20.0	22.6	113	11	30	66-127	
Trichloroethene	20.0	19.4	97	5	30	71-121	
Trichlorofluoromethane	20.0	18.2	91	10	30	61-140	
Vinyl chloride	20.0	16.4	82	0	30	61-144	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F98173.D

Lab ID: LCSD 460-706558/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,1,1-Trichloroethane	20.0	20.4	102	1	30	68-128	
1,1,2,2-Tetrachloroethane	20.0	18.3	92	4	30	63-139	
1,1,2-Trichloroethane	20.0	19.7	99	0	30	74-125	
1,1-Dichloroethane	20.0	18.8	94	3	30	73-130	
1,1-Dichloroethene	20.0	21.0	105	2	30	68-133	
1,2,3-Trichlorobenzene	20.0	23.7	119	0	30	53-144	
1,2,4-Trichlorobenzene	20.0	23.2	116	1	30	64-132	
1,2-Dibromo-3-Chloropropane	20.0	19.2	96	10	30	41-143	
1,2-Dibromoethane	20.0	20.3	102	5	30	69-126	
1,2-Dichlorobenzene	20.0	22.1	111	3	30	79-122	
1,2-Dichloroethane	20.0	18.6	93	6	30	75-121	
1,2-Dichloropropane	20.0	19.0	95	1	30	76-126	
1,3-Dichlorobenzene	20.0	22.2	111	1	30	80-121	
1,4-Dichlorobenzene	20.0	21.8	109	2	30	80-118	
1,4-Dioxane	400	465	116	0	30	70-142	
2-Butanone	100	114	114	3	30	69-128	
2-Hexanone	100	106	106	2	30	74-127	
4-Methyl-2-pentanone	100	108	108	4	30	78-125	
Acetone	100	69.4	69	12	30	61-134	
Benzene	20.0	19.8	99	3	30	78-126	
Bromochloromethane	20.0	21.5	108	5	30	73-126	
Bromodichloromethane	20.0	19.6	98	4	30	72-121	
Bromoform	20.0	22.4	112	1	30	38-144	
Bromomethane	20.0	17.0	85	2	30	10-150	
Carbon disulfide	20.0	20.6	103	0	30	64-138	
Carbon tetrachloride	20.0	21.0	105	2	30	56-131	
Chlorobenzene	20.0	20.9	104	1	30	80-119	
Chloroethane	20.0	15.1	75	4	30	29-150	
Chloroform	20.0	20.4	102	1	30	78-125	
Chloromethane	20.0	11.4	57	0	30	38-150	
cis-1,2-Dichloroethene	20.0	20.5	103	3	30	78-121	
cis-1,3-Dichloropropene	20.0	18.3	92	2	30	74-125	
Cyclohexane	20.0	20.8	104	3	30	67-133	
Dibromochloromethane	20.0	20.8	104	2	30	58-130	
Dichlorodifluoromethane	20.0	8.62	43	1	30	31-150	
Ethylbenzene	20.0	21.0	105	3	30	78-120	
Freon TF	20.0	21.9	109	2	30	59-142	
Isopropylbenzene	20.0	21.5	107	3	30	79-125	
m&p-Xylene	20.0	21.6	108	4	30	78-123	
Methyl acetate	40.0	33.4	84	0	30	70-127	
Methylcyclohexane	20.0	21.2	106	3	30	60-139	
Methylene Chloride	20.0	20.4	102	1	30	74-127	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM III
GC/MS VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: F98173.D

Lab ID: LCSD 460-706558/6 Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
MTBE	20.0	20.2	101	2	30	65-131	
o-Xylene	20.0	22.3	111	0	30	78-122	
Styrene	20.0	21.7	108	2	30	75-127	
Tetrachloroethene	20.0	23.1	115	3	30	70-127	
Toluene	20.0	19.7	99	3	30	78-119	
trans-1,2-Dichloroethene	20.0	20.4	102	4	30	74-126	
trans-1,3-Dichloropropene	20.0	18.2	91	4	30	66-127	
Trichloroethene	20.0	20.8	104	0	30	71-121	
Trichlorofluoromethane	20.0	17.8	89	2	30	61-140	
Vinyl chloride	20.0	13.3	66	2	30	61-144	

Column to be used to flag recovery and RPD values

FORM III 8260C

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: A90791.D Lab Sample ID: MB 460-706284/10

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS1 Date Analyzed: 07/06/2020 22:13

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-706284/4	A90785.D	07/06/2020 19:50
	LCSD 460-706284/6	A90787.D	07/06/2020 20:37
MW-2A	460-212426-1	A90805.D	07/07/2020 03:45
MW-7A	460-212426-2	A90806.D	07/07/2020 04:09
Dup	460-212426-3	A90807.D	07/07/2020 04:32

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: A90820.D Lab Sample ID: MB 460-706392/9

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS1 Date Analyzed: 07/07/2020 11:55

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-706392/4	A90815.D	07/07/2020 09:57
	LCSD 460-706392/5	A90816.D	07/07/2020 10:21
TB	460-212426-4	A90824.D	07/07/2020 13:30

FORM IV
GC/MS VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: F98176.D Lab Sample ID: MB 460-706558/9

Matrix: Water Heated Purge:(Y/N) N

Instrument ID: CVOAMS6 Date Analyzed: 07/07/2020 22:32

GC Column: Rtx-624 ID: 0.25(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-706558/5	F98172.D	07/07/2020 20:54
	LCSD 460-706558/6	F98173.D	07/07/2020 21:18
MW-2A RA	460-212426-1 RA	F98180.D	07/08/2020 00:10
Dup RA	460-212426-3 RA	F98181.D	07/08/2020 00:34

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: A89501.D BFB Injection Date: 06/11/2020

Instrument ID: CVOAMS1 BFB Injection Time: 01:12

Analysis Batch No.: 700493

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.3	
75	30.0 - 60.0 % of mass 95	47.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.3	
173	Less than 2.0 % of mass 174	0.9	(1.1) 1
174	50.0 - 120.00 % of mass 95	80.2	
175	5.0 - 9.0 % of mass 174	5.4	(6.7) 1
176	95.0 - 101.0 % of mass 174	77.4	(96.5) 1
177	5.0 - 9.0 % of mass 176	4.9	(6.4) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-700493/3	A89503.D	06/11/2020	2:04
	STD1 460-700493/4	A89504.D	06/11/2020	2:28
	STD5 460-700493/5	A89505.D	06/11/2020	2:52
	STD20 460-700493/6	A89506.D	06/11/2020	3:15
	STD50 460-700493/7	A89507.D	06/11/2020	3:39
	STD200 460-700493/8	A89508.D	06/11/2020	4:02
	STD500 460-700493/9	A89509.D	06/11/2020	4:26

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: A90782.D BFB Injection Date: 07/06/2020

Instrument ID: CVOAMS1 BFB Injection Time: 18:32

Analysis Batch No.: 706284

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.1	
75	30.0 - 60.0 % of mass 95	43.2	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.6	
173	Less than 2.0 % of mass 174	1.4	(2.0) 1
174	50.0 - 120.00 % of mass 95	67.8	
175	5.0 - 9.0 % of mass 174	4.6	(6.8) 1
176	95.0 - 101.0 % of mass 174	67.2	(99.2) 1
177	5.0 - 9.0 % of mass 176	5.0	(7.5) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-706284/3	A90784.D	07/06/2020	19:27
	LCS 460-706284/4	A90785.D	07/06/2020	19:50
	LCSD 460-706284/6	A90787.D	07/06/2020	20:37
	MB 460-706284/10	A90791.D	07/06/2020	22:13
MW-2A	460-212426-1	A90805.D	07/07/2020	3:45
MW-7A	460-212426-2	A90806.D	07/07/2020	4:09
Dup	460-212426-3	A90807.D	07/07/2020	4:32

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: A90812.D BFB Injection Date: 07/07/2020

Instrument ID: CVOAMS1 BFB Injection Time: 07:46

Analysis Batch No.: 706392

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.7	
75	30.0 - 60.0 % of mass 95	46.5	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	6.1	
173	Less than 2.0 % of mass 174	1.0	(1.1) 1
174	50.0 - 120.00 % of mass 95	88.1	
175	5.0 - 9.0 % of mass 174	5.5	(6.2) 1
176	95.0 - 101.0 % of mass 174	83.9	(95.2) 1
177	5.0 - 9.0 % of mass 176	4.3	(5.1) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-706392/3	A90814.D	07/07/2020	9:33
	LCS 460-706392/4	A90815.D	07/07/2020	9:57
	LCSD 460-706392/5	A90816.D	07/07/2020	10:21
	MB 460-706392/9	A90820.D	07/07/2020	11:55
TB	460-212426-4	A90824.D	07/07/2020	13:30

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: F97859.D BFB Injection Date: 07/01/2020

Instrument ID: CVOAMS6 BFB Injection Time: 15:18

Analysis Batch No.: 705288

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	15.4	
75	30.0 - 60.0 % of mass 95	45.1	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.1	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	69.0	
175	5.0 - 9.0 % of mass 174	5.5	(8.0) 1
176	95.0 - 101.0 % of mass 174	66.4	(96.2) 1
177	5.0 - 9.0 % of mass 176	4.4	(6.6) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD7 460-705288/4	F97862.D	07/01/2020	16:17
	STD1 460-705288/5	F97863.D	07/01/2020	16:41
	STD5 460-705288/6	F97864.D	07/01/2020	17:06
	STD20 460-705288/7	F97865.D	07/01/2020	17:31
	STD50 460-705288/8	F97866.D	07/01/2020	17:55
	STD200 460-705288/9	F97867.D	07/01/2020	18:20
	STD500 460-705288/10	F97868.D	07/01/2020	18:44

FORM V
GC/MS VOA INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: F98168.D BFB Injection Date: 07/07/2020

Instrument ID: CVOAMS6 BFB Injection Time: 19:17

Analysis Batch No.: 706558

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15.0 - 40.0 % of mass 95	16.7	
75	30.0 - 60.0 % of mass 95	48.0	
95	Base Peak, 100% relative abundance	100.0	
96	5.0 - 9.0 % of mass 95	7.8	
173	Less than 2.0 % of mass 174	0.0	(0.0) 1
174	50.0 - 120.00 % of mass 95	63.3	
175	5.0 - 9.0 % of mass 174	5.6	(8.8) 1
176	95.0 - 101.0 % of mass 174	60.4	(95.4) 1
177	5.0 - 9.0 % of mass 176	4.8	(7.9) 2

1-Value is % mass 174 2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-706558/4	F98171.D	07/07/2020	20:29
	LCS 460-706558/5	F98172.D	07/07/2020	20:54
	LCSD 460-706558/6	F98173.D	07/07/2020	21:18
	MB 460-706558/9	F98176.D	07/07/2020	22:32
MW-2A RA	460-212426-1 RA	F98180.D	07/08/2020	0:10
Dup RA	460-212426-3 RA	F98181.D	07/08/2020	0:34

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Sample No.: CCVIS 460-706284/3 Date Analyzed: 07/06/2020 19:27

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A90784.D Heated Purge: (Y/N) N

Calibration ID: 80662

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		235827	3.67	257494	4.66	545211	5.56
UPPER LIMIT		471654	4.17	514988	5.16	1090422	6.06
LOWER LIMIT		117914	3.17	128747	4.16	272606	5.06
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-706284/4		269520	3.65	256091	4.66	553782	5.56
LCSD 460-706284/6		262141	3.66	260298	4.66	554011	5.56
MB 460-706284/10		288357	3.66	256866	4.66	569100	5.56
460-212426-1	MW-2A	315858	3.66	273804	4.66	571343	5.56
460-212426-2	MW-7A	336149	3.67	307482	4.67	588567	5.56
460-212426-3	Dup	334809	3.67	293547	4.67	572714	5.56

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Sample No.: CCVIS 460-706284/3 Date Analyzed: 07/06/2020 19:27

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A90784.D Heated Purge: (Y/N) N

Calibration ID: 80662

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		31529	6.13	382998	8.01	216726	9.37
UPPER LIMIT		63058	6.63	765996	8.51	433452	9.87
LOWER LIMIT		15765	5.63	191499	7.51	108363	8.87
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-706284/4		33651	6.12	402446	8.01	229089	9.37
LCSD 460-706284/6		33011	6.13	390733	8.01	215683	9.37
MB 460-706284/10		34144	6.12	394693	8.01	226801	9.37
460-212426-1	MW-2A	34312	6.13	403920	8.01	230699	9.37
460-212426-2	MW-7A	40604	6.14	411879	8.01	240144	9.37
460-212426-3	Dup	38442	6.14	403037	8.01	226110	9.37

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Sample No.: CCVIS 460-706392/3 Date Analyzed: 07/07/2020 09:33

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A90814.D Heated Purge: (Y/N) N

Calibration ID: 80662

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		212655	3.68	252630	4.67	560455	5.56
UPPER LIMIT		425310	4.18	505260	5.17	1120910	6.06
LOWER LIMIT		106328	3.18	126315	4.17	280228	5.06
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-706392/4		292163	3.68	278884	4.67	608246	5.56
LCSD 460-706392/5		293968	3.66	282858	4.67	596035	5.56
MB 460-706392/9		286091	3.67	265451	4.67	560991	5.56
460-212426-4	TB	282997	3.67	265862	4.67	568509	5.56

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Sample No.: CCVIS 460-706392/3 Date Analyzed: 07/07/2020 09:33

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): A90814.D Heated Purge: (Y/N) N

Calibration ID: 80662

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		31947	6.13	398656	8.01	223603	9.40
UPPER LIMIT		63894	6.63	797312	8.51	447206	9.90
LOWER LIMIT		15974	5.63	199328	7.51	111802	8.90
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-706392/4		35673	6.14	436526	8.01	249915	9.40
LCSD 460-706392/5		35570	6.13	429467	8.01	238555	9.41
MB 460-706392/9		34524	6.14	396485	8.01	226222	9.40
460-212426-4	TB	32320	6.13	401345	8.01	227498	9.41

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Sample No.: CCVIS 460-706558/4 Date Analyzed: 07/07/2020 20:29

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F98171.D Heated Purge: (Y/N) N

Calibration ID: 80857

		TBAd9		BUT		FB	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		185099	3.18	220649	4.22	458606	5.30
UPPER LIMIT		370198	3.68	441298	4.72	917212	5.80
LOWER LIMIT		92550	2.68	110325	3.72	229303	4.80
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-706558/5		180976	3.18	204564	4.21	431251	5.30
LCSD 460-706558/6		162437	3.17	212348	4.21	457716	5.30
MB 460-706558/9		138691	3.18	192044	4.22	458730	5.30
460-212426-1 RA	MW-2A RA	230223	3.17	246022	4.21	412516	5.29
460-212426-3 RA	Dup RA	172556	3.17	190110	4.21	402064	5.29

TBAd9 = TBA-d9 (IS)
BUT = 2-Butanone-d5
FB = Fluorobenzene

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM VIII
GC/MS VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Sample No.: CCVIS 460-706558/4 Date Analyzed: 07/07/2020 20:29

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm)

Lab File ID (Standard): F98171.D Heated Purge: (Y/N) N

Calibration ID: 80857

		DXE		CBNZd5		DCBd4	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		21459	5.98	334164	8.72	186228	10.91
UPPER LIMIT		42918	6.48	668328	9.22	372456	11.41
LOWER LIMIT		10730	5.48	167082	8.22	93114	10.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
LCS 460-706558/5		19200	5.98	309684	8.72	174951	10.91
LCSD 460-706558/6		17101	5.98	330422	8.72	185756	10.91
MB 460-706558/9		14204	5.99	323971	8.72	184036	10.90
460-212426-1 RA	MW-2A RA	23176	5.98	295696	8.72	173017	10.90
460-212426-3 RA	Dup RA	18981	5.99	289440	8.72	170171	10.90

DXE = 1,4-Dioxane-d8
CBNZd5 = Chlorobenzene-d5
DCBd4 = 1,4-Dichlorobenzene-d4

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8260C

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A Lab Sample ID: 460-212426-1

Matrix: Water Lab File ID: A90805.D

Analysis Method: 8260C Date Collected: 06/30/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 03:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U *	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	7.7		5.0	4.4
71-43-2	Benzene	5.5		1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A Lab Sample ID: 460-212426-1

Matrix: Water Lab File ID: A90805.D

Analysis Method: 8260C Date Collected: 06/30/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 03:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	0.88	J	1.0	0.34
179601-23-1	m&p-Xylene	0.30	U	1.0	0.30
79-20-9	Methyl acetate	0.79	U	5.0	0.79
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
1634-04-4	MTBE	0.47	U	1.0	0.47
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		75-123
460-00-4	Bromofluorobenzene	99		76-120
1868-53-7	Dibromofluoromethane (Surr)	94		77-124
2037-26-5	Toluene-d8 (Surr)	94		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A Lab Sample ID: 460-212426-1

Matrix: Water Lab File ID: A90805.D

Analysis Method: 8260C Date Collected: 06/30/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 03:45

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

Number TICs Found: 1 TIC Result Total: 18

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
496-11-7	Indane	9.52	18	J N	94%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D				
Lims ID:	460-212426-B-1				
Client ID:	MW-2A				
Sample Type:	Client				
Inject. Date:	07-Jul-2020 03:45:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-212426-b-1				
Misc. Info.:	460-0112801-024				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	07-Jul-2020 14:43:16	Calib Date:	11-Jun-2020 04:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1047				
First Level Reviewer: asfawa		Date:	07-Jul-2020 08:42:42		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Acetone	58	3.281	3.281	0.000	85	2697	7.69	
* 31 TBA-d9 (IS)	65	3.659	3.666	-0.007	33	315858	1000.0	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	87	273804	250.0	
$ 54 Dibromofluoromethane (Surr)	113	5.056	5.062	-0.006	98	125531	47.2	
60 Benzene	78	5.336	5.336	0.000	94	68075	5.45	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	86	129864	42.7	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	571343	50.0	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	22	34312	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	100	478116	46.9	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	84	403920	50.0	
104 Isopropylbenzene	105	8.591	8.591	0.000	94	12839	0.8820	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	96	146262	49.5	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	94	230699	50.0	

Reagents:

8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D				
Lims ID:	460-212426-B-1				
Client ID:	MW-2A				
Sample Type:	Client				
Inject. Date:	07-Jul-2020 03:45:30	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-212426-b-1				
Misc. Info.:	460-0112801-024				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	07-Jul-2020 14:43:16	Calib Date:	11-Jun-2020 04:26:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Edison\Database\NIST02.L				
Min. Match:	60				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1047				
First Level Reviewer: asfawa		Date:	07-Jul-2020 08:42:42		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	496-11-7 Indane							
9.518	471266	18.4	121	94	8673	C9H10	118	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 121 1,4-Dichlorobenzene-d4	9.372	1278521	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

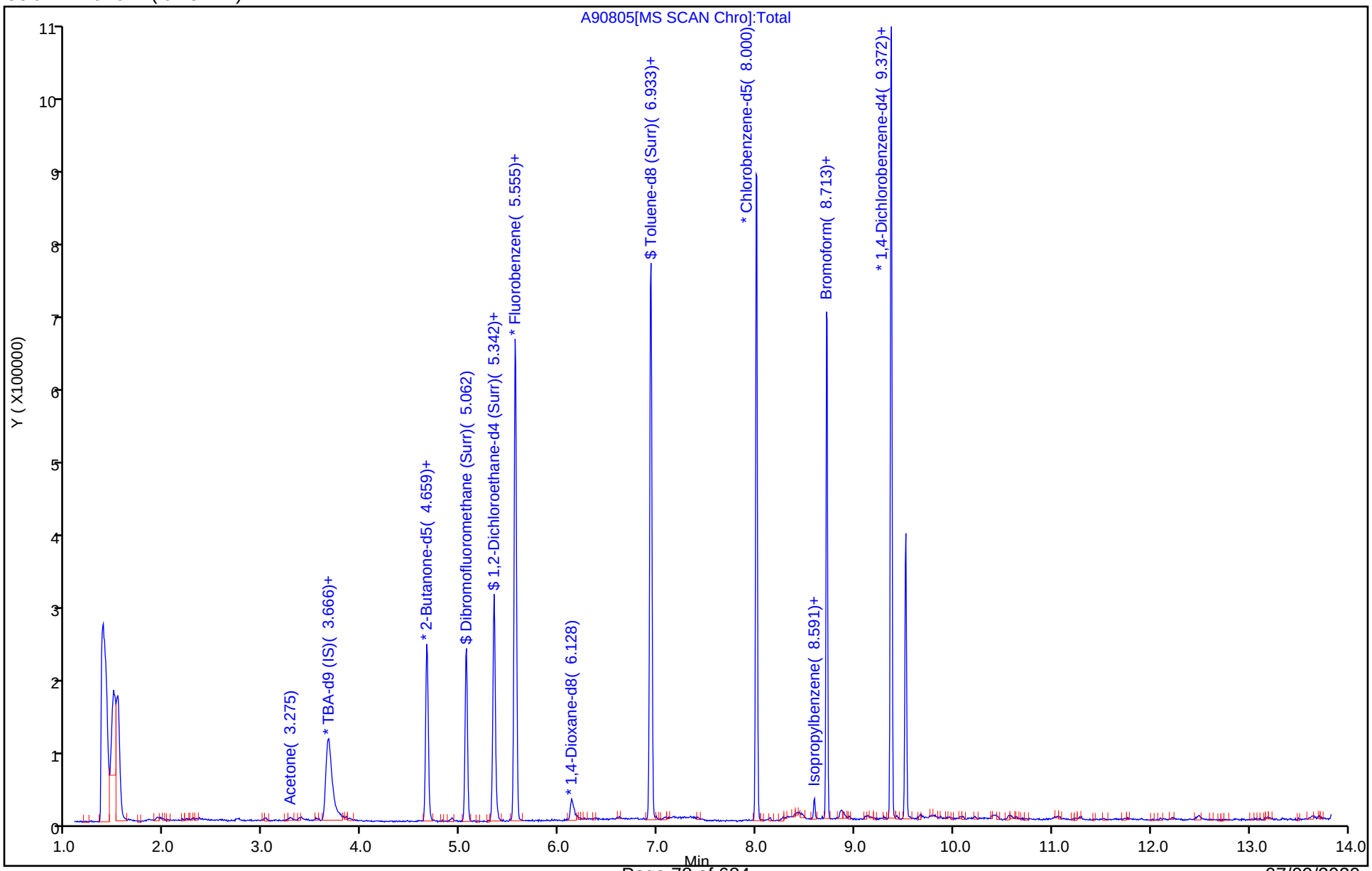
Report Date: 07-Jul-2020 14:44:59 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D

Injection Date:	07-Jul-2020 03:45:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-212426-B-1	Lab Sample ID:	460-212426-1	Worklist Smp#:	24
Client ID:	MW-2A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

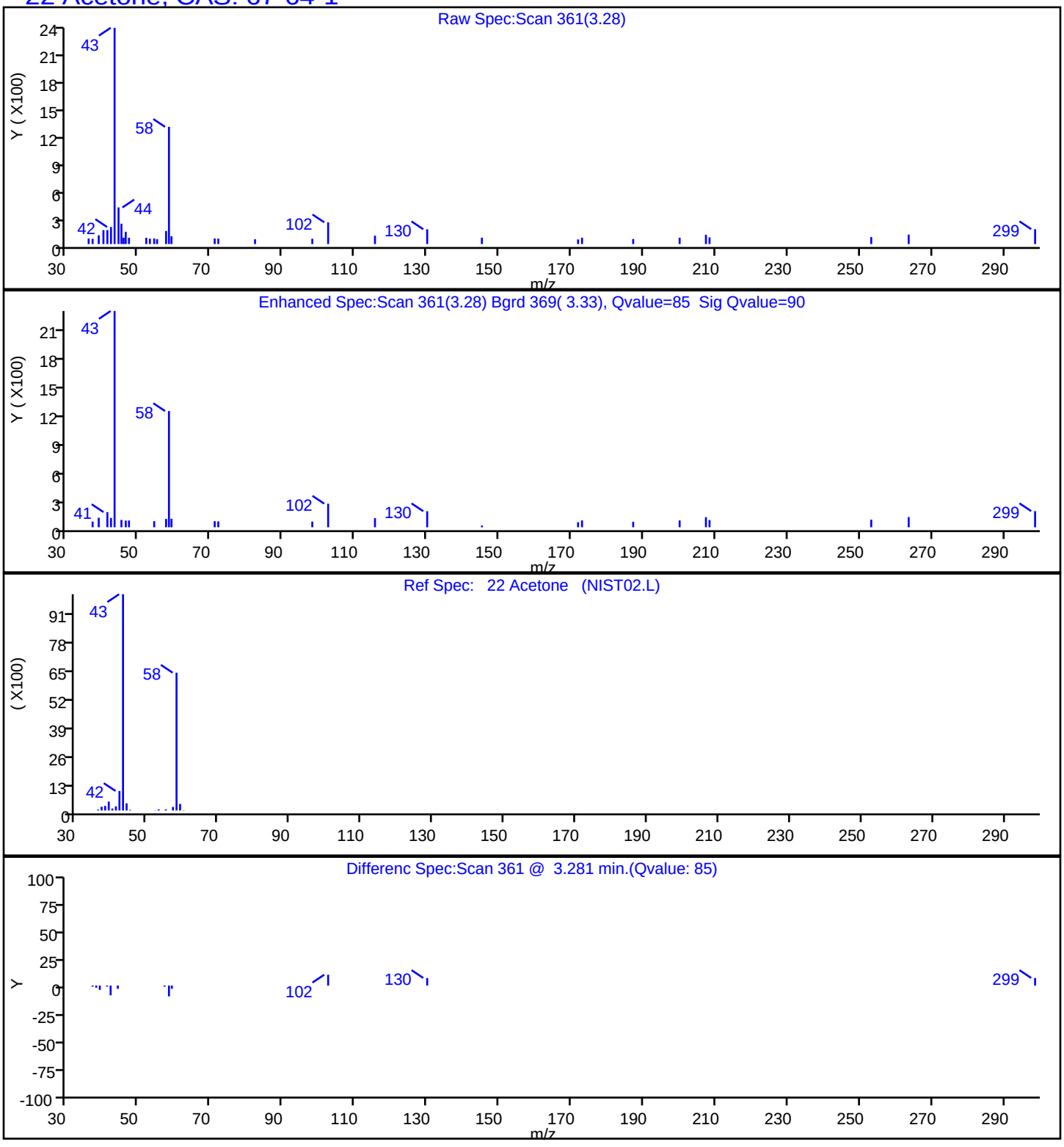
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Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D				
Injection Date:	07-Jul-2020 03:45:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-B-1	Lab Sample ID:	460-212426-1		
Client ID:	MW-2A				
Operator ID:	VOA GC/MS1	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

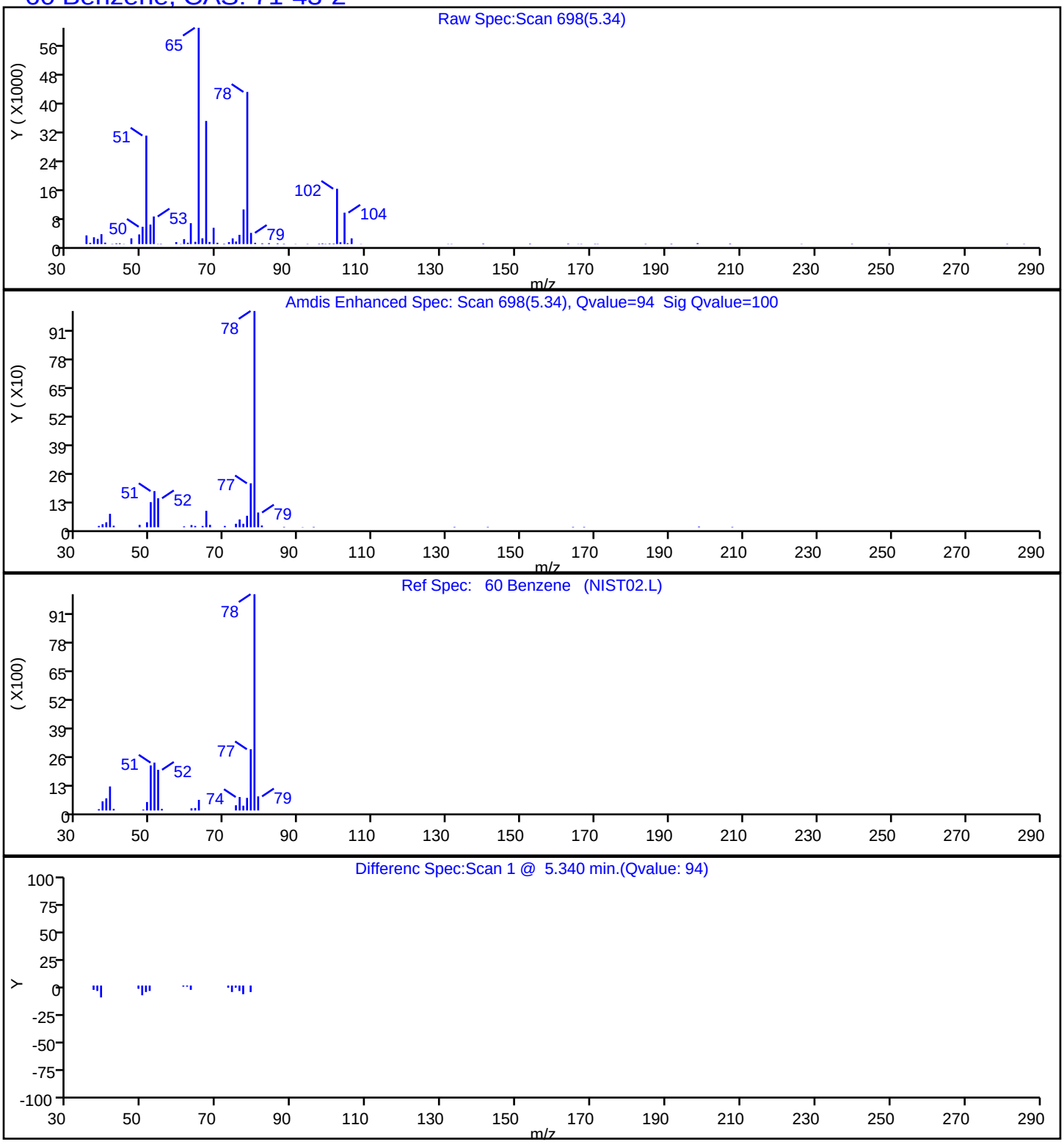
22 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D				
Injection Date:	07-Jul-2020 03:45:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-B-1	Lab Sample ID:	460-212426-1		
Client ID:	MW-2A				
Operator ID:	VOA GC/MS1	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

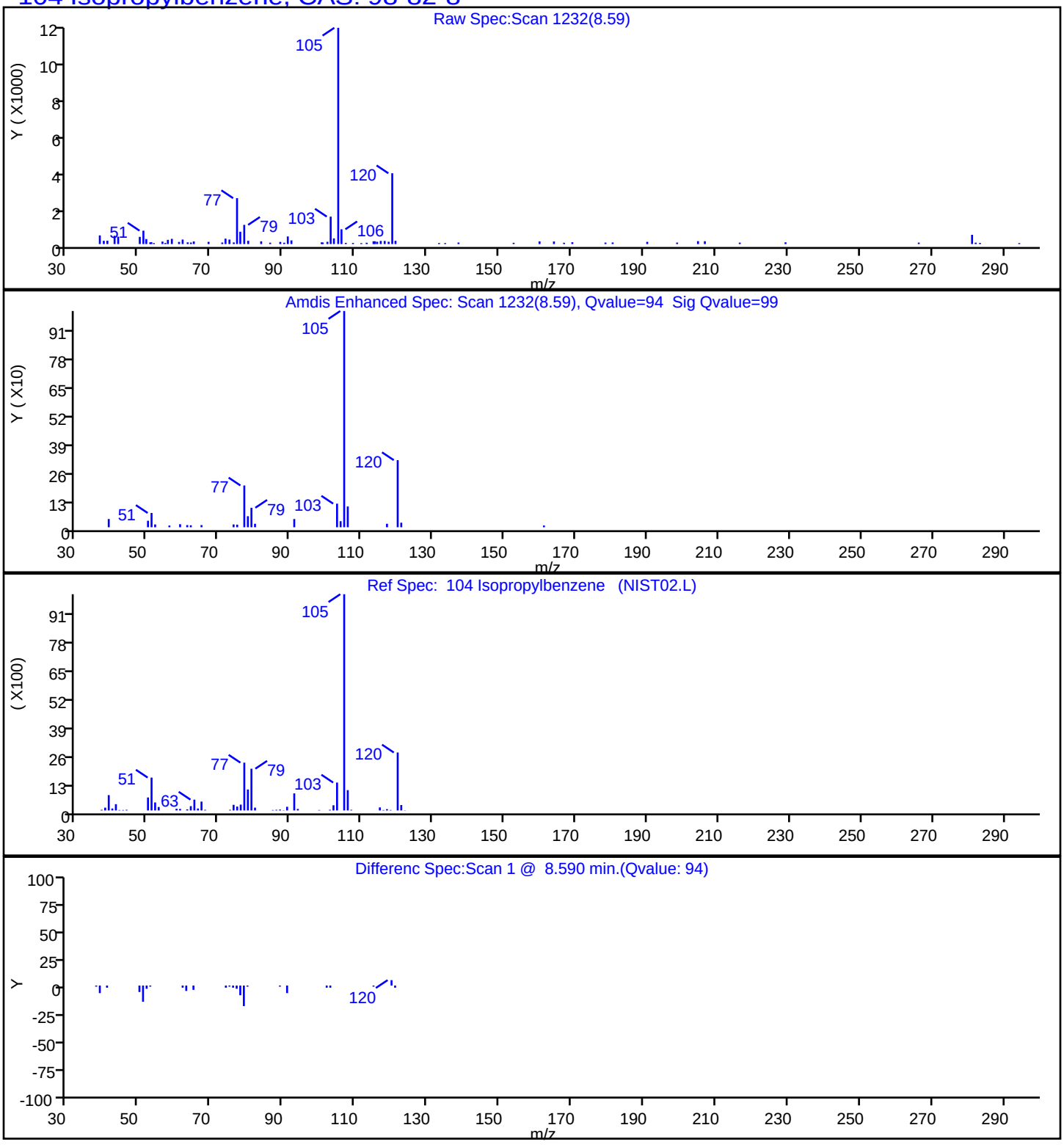
60 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D				
Injection Date:	07-Jul-2020 03:45:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-B-1	Lab Sample ID:	460-212426-1		
Client ID:	MW-2A				
Operator ID:	VOA GC/MS1	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

104 Isopropylbenzene, CAS: 98-82-8



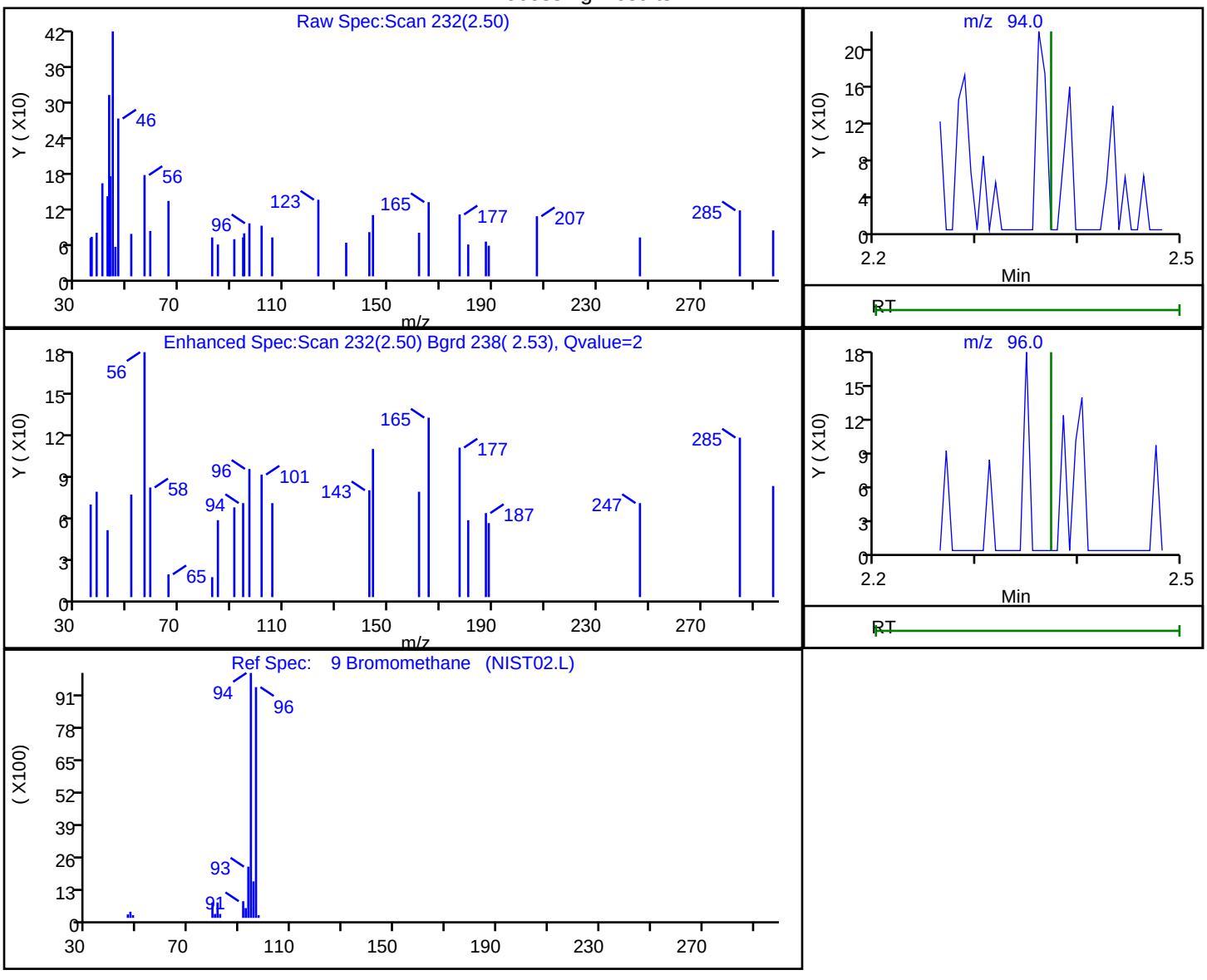
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D				
Injection Date:	07-Jul-2020 03:45:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-B-1	Lab Sample ID:	460-212426-1		
Client ID:	MW-2A				
Operator ID:	VOA GC/MS1	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.50	94.00	110	0.028233
2.50	96.00	73	

Reviewer: asfawa, 07-Jul-2020 08:41:55

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

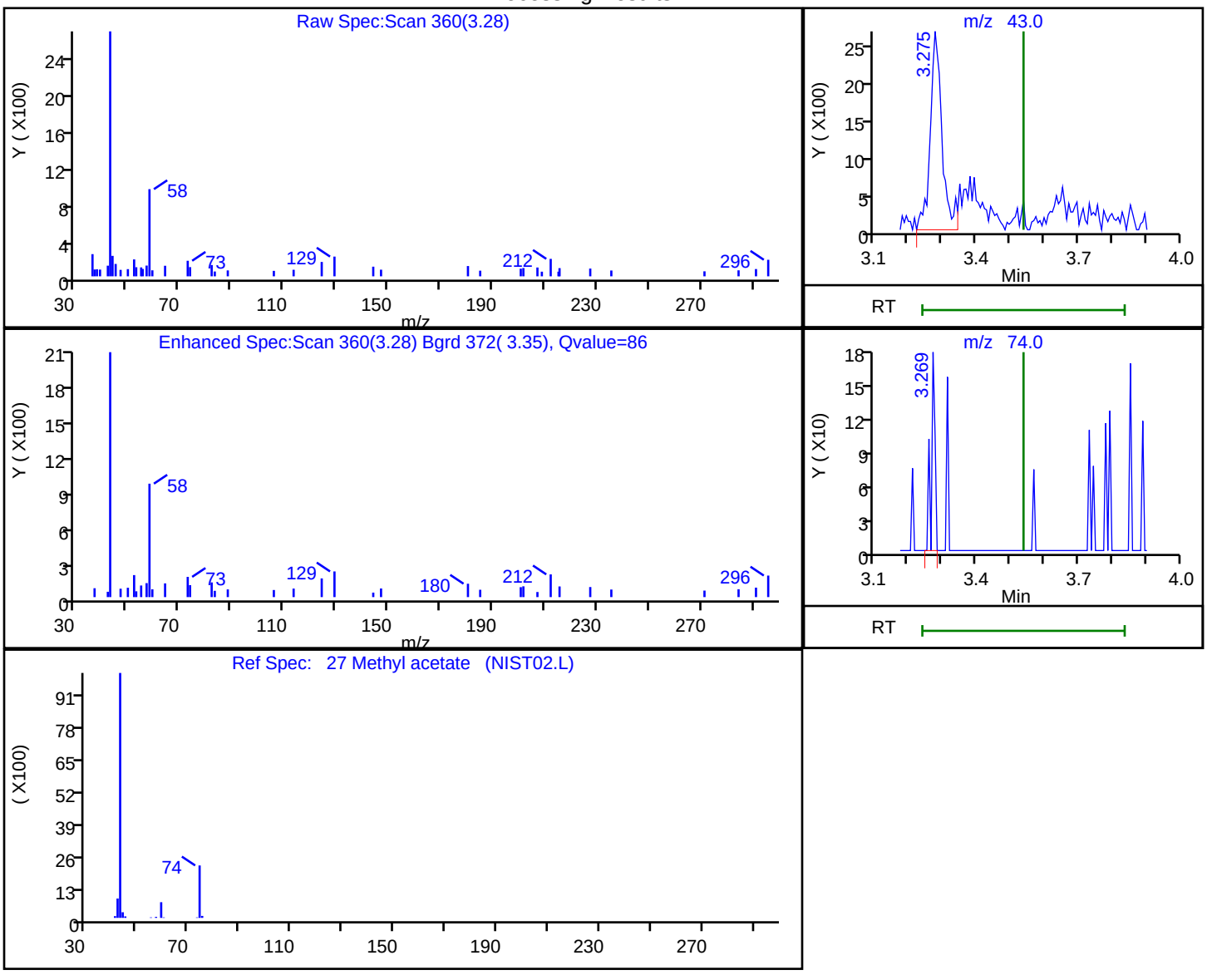
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D				
Injection Date:	07-Jul-2020 03:45:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-B-1	Lab Sample ID:	460-212426-1		
Client ID:	MW-2A				
Operator ID:	VOA GC/MS1	ALS Bottle#:	23	Worklist Smp#:	24
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

27 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
3.28	43.00	6542	2.811958
3.27	74.00	138	

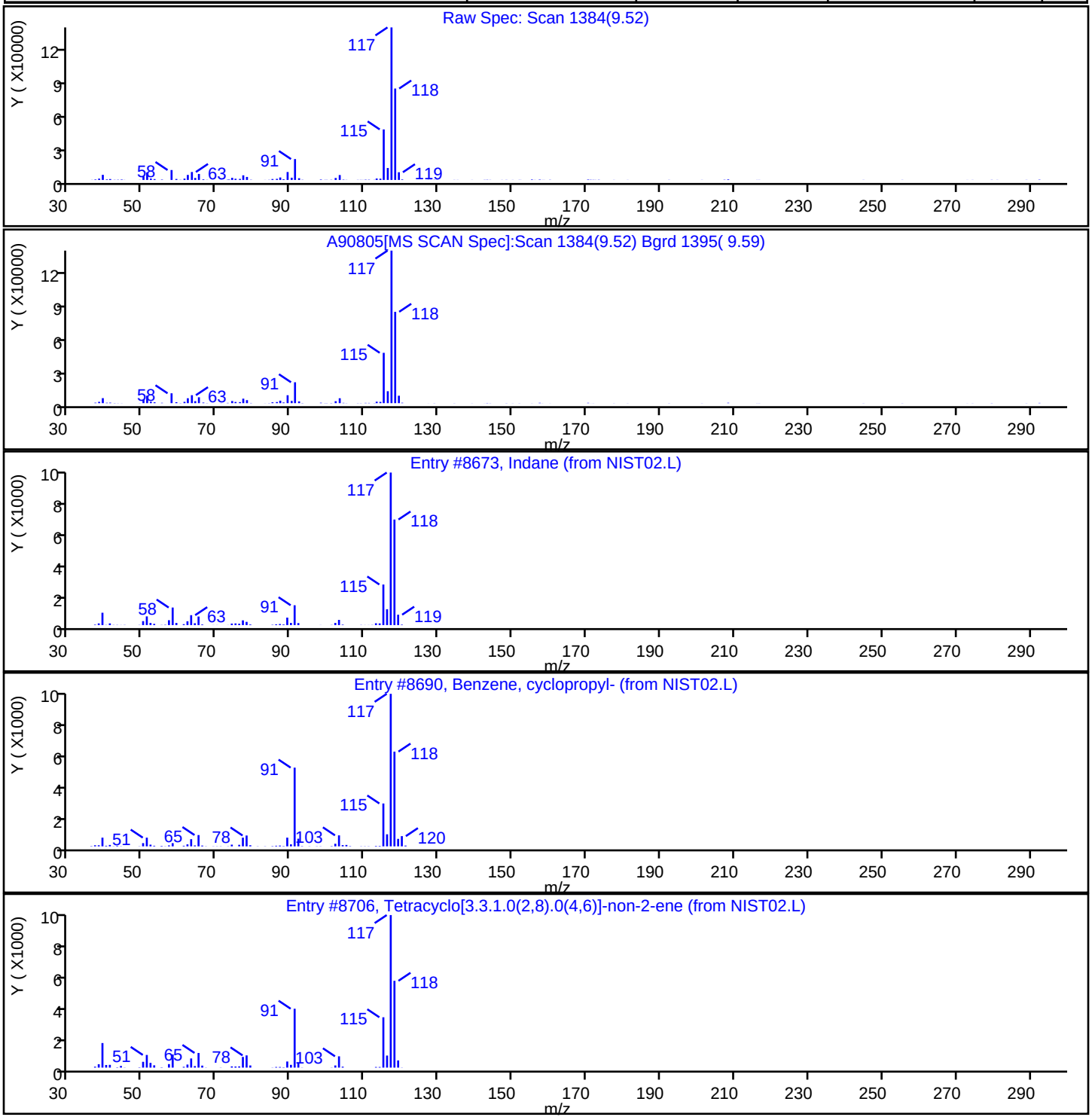
Reviewer: asfawa, 07-Jul-2020 08:42:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90805.D
Injection Date: 07-Jul-2020 03:45:30 Instrument ID: CVOAMS1
Lims ID: 460-212426-B-1 Lab Sample ID: 460-212426-1
Client ID: MW-2A
Operator ID: VOA GC/MS1 ALS Bottle#: 23 Worklist Smp#: 24
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Indane	496-11-7	NIST02.L	8673	C9H10	118	94
Benzene, cyclopropyl-	873-49-4	NIST02.L	8690	C9H10	118	87
Tetracyclo[3.3.1.0(2,8).0(4,6)]-non-2-ene	1000191-13-7	NIST02.L	8706	C9H10	118	64



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A RA Lab Sample ID: 460-212426-1 RA

Matrix: Water Lab File ID: F98180.D

Analysis Method: 8260C Date Collected: 06/30/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2020 00:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	7.9		5.0	4.4
71-43-2	Benzene	12		1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A RA Lab Sample ID: 460-212426-1 RA

Matrix: Water Lab File ID: F98180.D

Analysis Method: 8260C Date Collected: 06/30/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2020 00:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	*Freon TF*	*0.31*	*U*	*1.0*	*0.31*
98-82-8	*Isopropylbenzene*	*1.2*		*1.0*	*0.34*
179601-23-1	*m&p-Xylene*	*0.30*	*U*	*1.0*	*0.30*
79-20-9	*Methyl acetate*	*0.79*	*U*	*5.0*	*0.79*
108-87-2	*Methylcyclohexane*	*0.26*	*U*	*1.0*	*0.26*
75-09-2	*Methylene Chloride*	*0.32*	*U*	*1.0*	*0.32*
1634-04-4	*MTBE*	*0.47*	*U*	*1.0*	*0.47*
95-47-6	*o-Xylene*	*0.36*	*U*	*1.0*	*0.36*
100-42-5	*Styrene*	*0.42*	*U*	*1.0*	*0.42*
127-18-4	*Tetrachloroethene*	*0.25*	*U*	*1.0*	*0.25*
108-88-3	*Toluene*	*0.38*	*U*	*1.0*	*0.38*
156-60-5	*trans-1,2-Dichloroethene*	*0.24*	*U*	*1.0*	*0.24*
10061-02-6	*trans-1,3-Dichloropropene*	*0.49*	*U*	*1.0*	*0.49*
79-01-6	*Trichloroethene*	*0.31*	*U*	*1.0*	*0.31*
75-69-4	*Trichlorofluoromethane*	*0.32*	*U*	*1.0*	*0.32*
75-01-4	*Vinyl chloride*	*0.17*	*U*	*1.0*	*0.17*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	92		75-123
460-00-4	Bromofluorobenzene	110		76-120
1868-53-7	Dibromofluoromethane (Surr)	103		77-124
2037-26-5	Toluene-d8 (Surr)	96		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A RA Lab Sample ID: 460-212426-1 RA

Matrix: Water Lab File ID: F98180.D

Analysis Method: 8260C Date Collected: 06/30/2020 10:10

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2020 00:10

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

Number TICs Found: 1 TIC Result Total: 20

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
496-11-7	*Indane*	*11.07*	*20*	*J N*	95%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98180.D
Lims ID: 460-212426-C-1
Client ID: MW-2A
Sample Type: Client
Inject. Date: 08-Jul-2020 00:10:30 ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-212426-C-1
Misc. Info.: 460-0112863-013
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 11:36:15 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: xuyvo Date: 08-Jul-2020 10:33:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Acetone	43	2.848	2.848	0.000	93	7479	7.89	
* 31 TBA-d9 (IS)	65	3.168	3.176	-0.008	0	230223	1000.0	
* 42 2-Butanone-d5	46	4.212	4.220	-0.008	0	246022	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.672	4.680	-0.008	96	94118	51.5	
59 Benzene	78	5.009	5.017	-0.008	93	112015	12.2	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.017	5.025	-0.008	0	104397	46.2	
* 65 Fluorobenzene	96	5.288	5.296	-0.008	99	412516	50.0	
* 71 1,4-Dioxane-d8	96	5.978	5.978	0.000	0	23176	1000.0	
$ 82 Toluene-d8 (Surr)	98	6.940	6.948	-0.008	99	392754	48.2	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	84	295696	50.0	
103 Isopropylbenzene	105	9.840	9.840	0.000	95	12560	1.17	
$ 104 4-Bromofluorobenzene	174	10.013	10.021	-0.008	87	118824	55.1	
* 120 1,4-Dichlorobenzene-d4	152	10.900	10.908	-0.008	95	173017	50.0	

Reagents:

VOA6IS/SURR_00036 Amount Added: 5.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98180.D				
Lims ID:	460-212426-C-1				
Client ID:	MW-2A				
Sample Type:	Client				
Inject. Date:	08-Jul-2020 00:10:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-212426-C-1				
Misc. Info.:	460-0112863-013				
Operator ID:		Instrument ID:	CVOAMS6		
Method:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	08-Jul-2020 11:36:15	Calib Date:	01-Jul-2020 18:44:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Edison\Database\NIST02.L				
Min. Match:	10				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1057				
First Level Reviewer: xuyvo		Date:	08-Jul-2020 10:33:03		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
496-11-7 Indane								
11.065	387549	20.0	120	95	8676	C9H10	118	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 120 1,4-Dichlorobenzene-d4	10.900	970745	50.0

QC Flag Legend

Processing Flags

Reagents:

VOA6IS/SURR_00036 Amount Added: 5.00 Units: uL Run Reagent

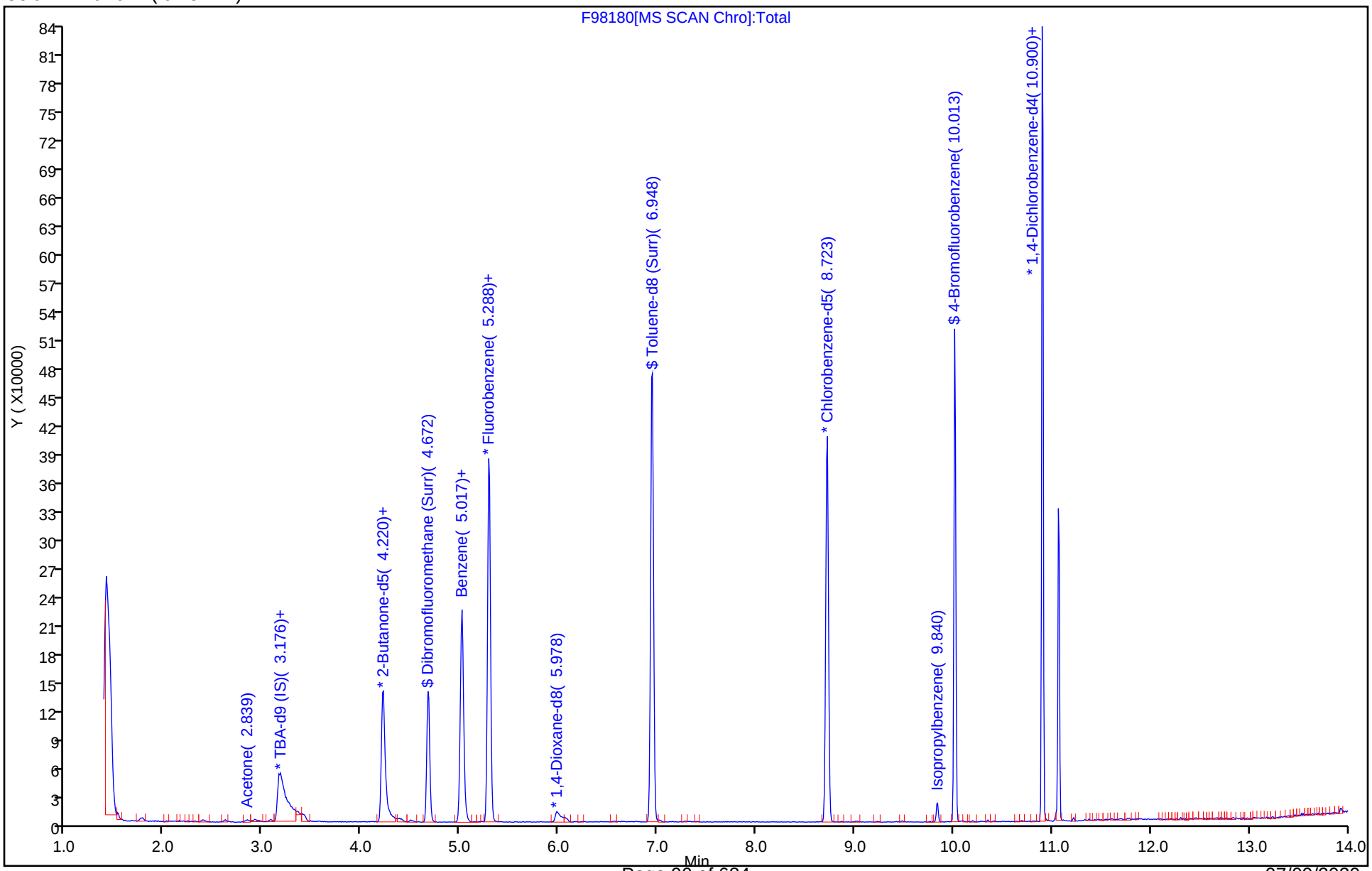
Report Date: 08-Jul-2020 11:36:30 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98180.D

Injection Date:	08-Jul-2020 00:10:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-212426-C-1	Lab Sample ID:	460-212426-1	Worklist Smp#:	13
Client ID:	MW-2A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

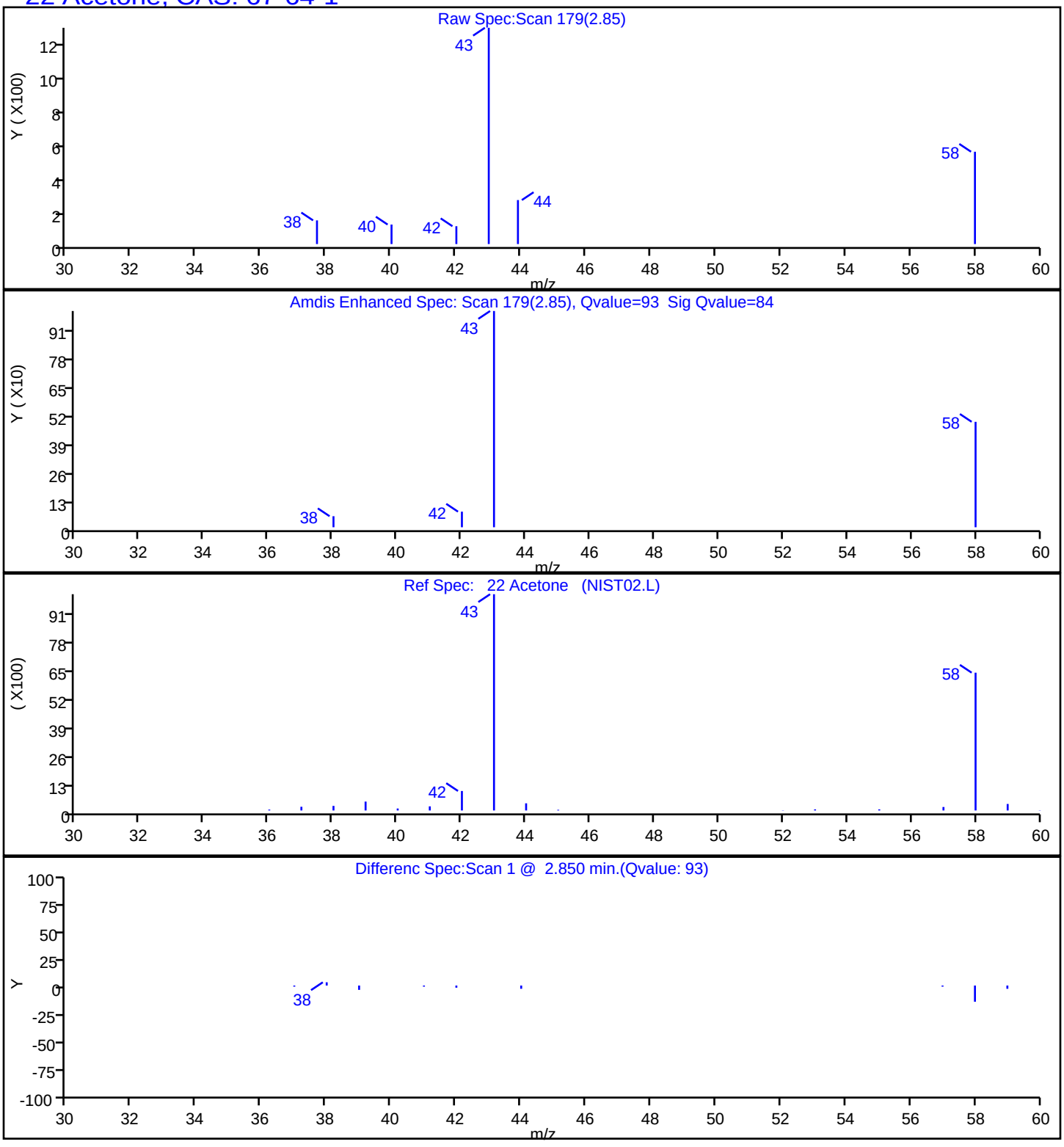
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98180.D		
Injection Date:	08-Jul-2020 00:10:30	Instrument ID:	CVOAMS6
Lims ID:	460-212426-C-1	Lab Sample ID:	460-212426-1
Client ID:	MW-2A		
Operator ID:		ALS Bottle#:	12 Worklist Smp#: 13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

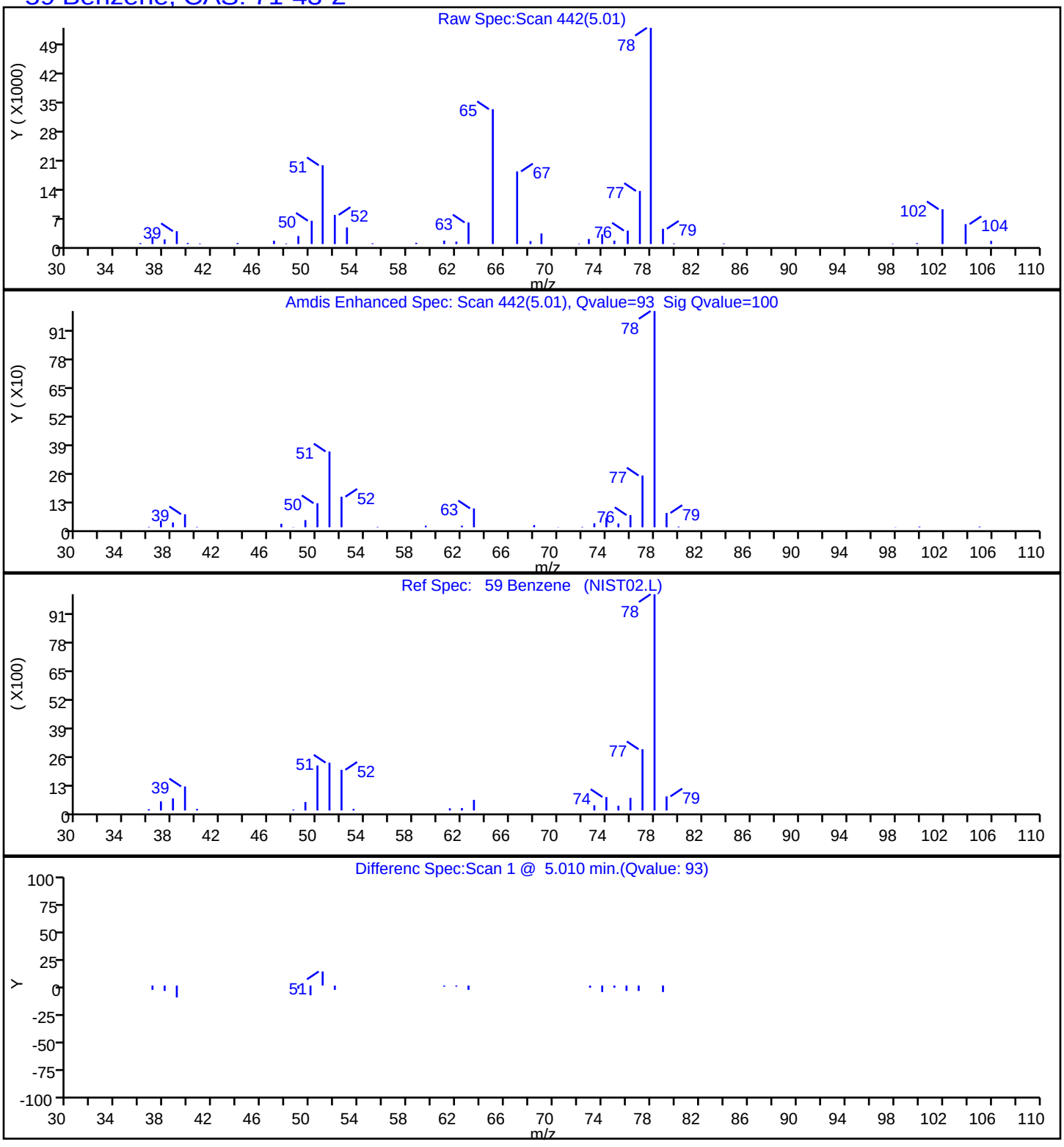
22 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98180.D				
Injection Date:	08-Jul-2020 00:10:30	Instrument ID:	CVOAMS6		
Lims ID:	460-212426-C-1	Lab Sample ID:	460-212426-1		
Client ID:	MW-2A				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

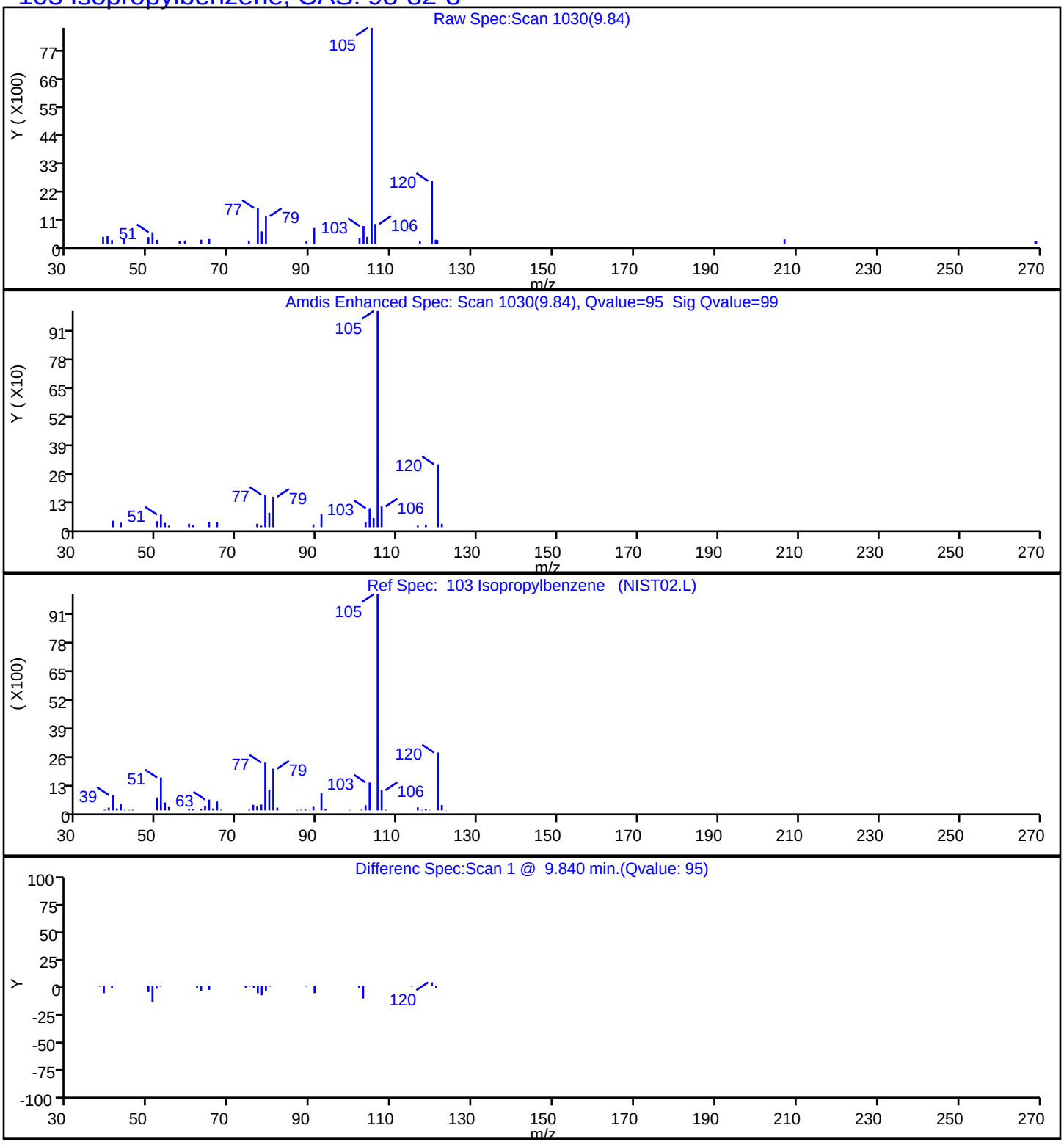
59 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98180.D				
Injection Date:	08-Jul-2020 00:10:30	Instrument ID:	CVOAMS6		
Lims ID:	460-212426-C-1	Lab Sample ID:	460-212426-1		
Client ID:	MW-2A				
Operator ID:		ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

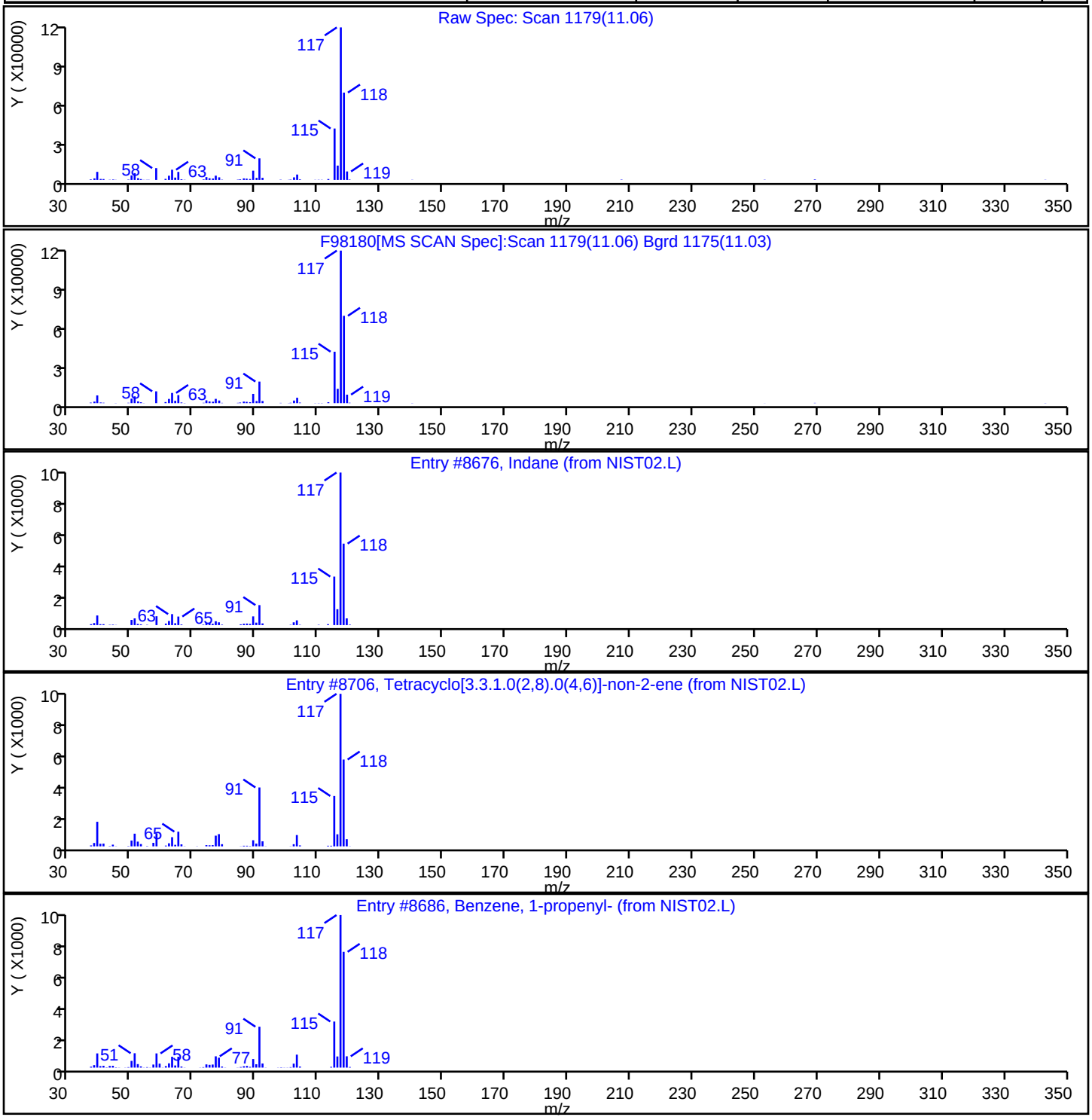
103 Isopropylbenzene, CAS: 98-82-8



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98180.D
Injection Date: 08-Jul-2020 00:10:30 Instrument ID: CVOAMS6
Lims ID: 460-212426-C-1 Lab Sample ID: 460-212426-1
Client ID: MW-2A
Operator ID: ALS Bottle#: 12 Worklist Smp#: 13
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Indane	496-11-7	NIST02.L	8676	C9H10	118	95
Tetracyclo[3.3.1.0(2,8).0(4,6)]-non-2-ene	1000191-13-7	NIST02.L	8706	C9H10	118	83
Benzene, 1-propenyl-	637-50-3	NIST02.L	8686	C9H10	118	83



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-7A Lab Sample ID: 460-212426-2

Matrix: Water Lab File ID: A90806.D

Analysis Method: 8260C Date Collected: 06/30/2020 11:35

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 04:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U *	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	6.1		5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-7A Lab Sample ID: 460-212426-2

Matrix: Water Lab File ID: A90806.D

Analysis Method: 8260C Date Collected: 06/30/2020 11:35

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 04:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34
179601-23-1	m&p-Xylene	0.30	U	1.0	0.30
79-20-9	Methyl acetate	0.79	U	5.0	0.79
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
1634-04-4	MTBE	0.73	J	1.0	0.47
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	96		75-123
460-00-4	Bromofluorobenzene	108		76-120
1868-53-7	Dibromofluoromethane (Surr)	100		77-124
2037-26-5	Toluene-d8 (Surr)	101		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-7A Lab Sample ID: 460-212426-2

Matrix: Water Lab File ID: A90806.D

Analysis Method: 8260C Date Collected: 06/30/2020 11:35

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 04:09

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

Number TICs Found: 2 TIC Result Total: 15.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
496-11-7	Indane	9.52	9.1	J N	91%
768-00-3	Benzene, (1-methyl-1-propenyl)-, (E)-	10.42	6.7	J N	94%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D
Lims ID: 460-212426-C-2
Client ID: MW-7A
Sample Type: Client
Inject. Date: 07-Jul-2020 04:09:30 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-212426-c-2
Misc. Info.: 460-0112801-025
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 14:43:16 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1047

First Level Reviewer: asfawa Date: 07-Jul-2020 08:43:50

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Acetone	58	3.287	3.281	0.006	71	2417	6.14	
* 31 TBA-d9 (IS)	65	3.665	3.666	-0.001	33	336149	1000.0	
33 Methyl tert-butyl ether	73	3.830	3.830	0.000	71	5829	0.7327	
* 42 2-Butanone-d5	46	4.665	4.659	0.006	87	307482	250.0	
$ 54 Dibromofluoromethane (Surr)	113	5.062	5.062	0.000	97	137300	50.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.342	0.006	38	150100	48.0	
* 66 Fluorobenzene	96	5.561	5.555	0.006	99	588567	50.0	
* 72 1,4-Dioxane-d8	96	6.135	6.128	0.006	22	40604	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	99	524241	50.4	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	84	411879	50.0	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	95	163328	54.2	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	94	240144	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00209 Amount Added: 1.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D				
Lims ID:	460-212426-C-2				
Client ID:	MW-7A				
Sample Type:	Client				
Inject. Date:	07-Jul-2020 04:09:30	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-212426-c-2				
Misc. Info.:	460-0112801-025				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	07-Jul-2020 14:43:16	Calib Date:	11-Jun-2020 04:26:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Edison\Database\NIST02.L				
Min. Match:	60				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1047				
First Level Reviewer: asfawa		Date:	07-Jul-2020 08:43:50		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	496-11-7	Indane						
9.518	241710	9.11	121	91	8674	C9H10	118	
	768-00-3	Benzene, (1-methyl-1-propenyl)-, (E)-						
10.420	176722	6.66	121	94	13625	C10H12	132	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 121 1,4-Dichlorobenzene-d4	9.372	1326637	50.0

QC Flag Legend

Processing Flags

Reagents:

8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

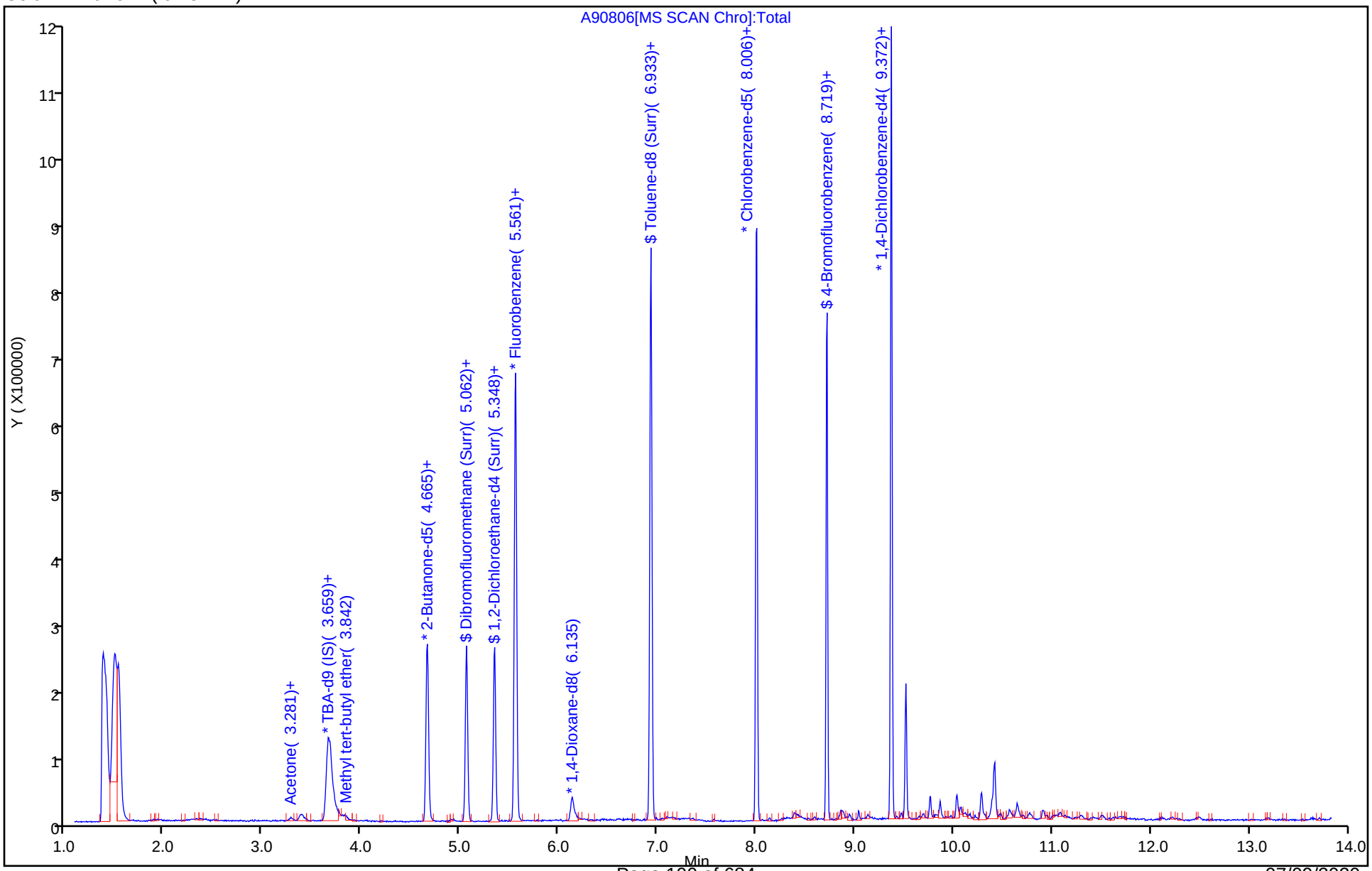
Report Date: 07-Jul-2020 14:45:25 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D

Injection Date:	07-Jul-2020 04:09:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-212426-C-2	Lab Sample ID:	460-212426-2	Worklist Smp#:	25
Client ID:	MW-7A				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	24
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

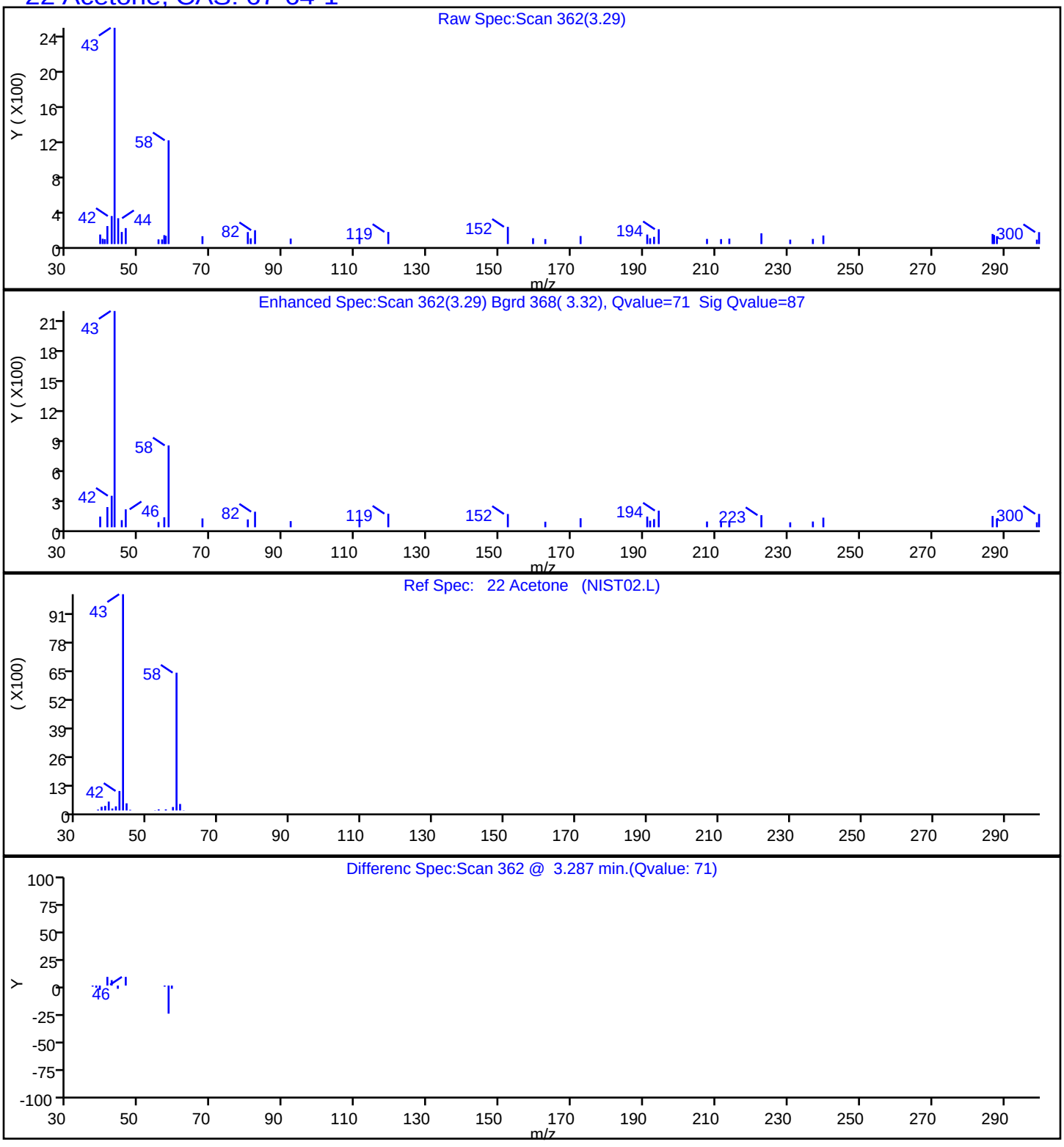
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D				
Injection Date:	07-Jul-2020 04:09:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-C-2	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:	VOA GC/MS1	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

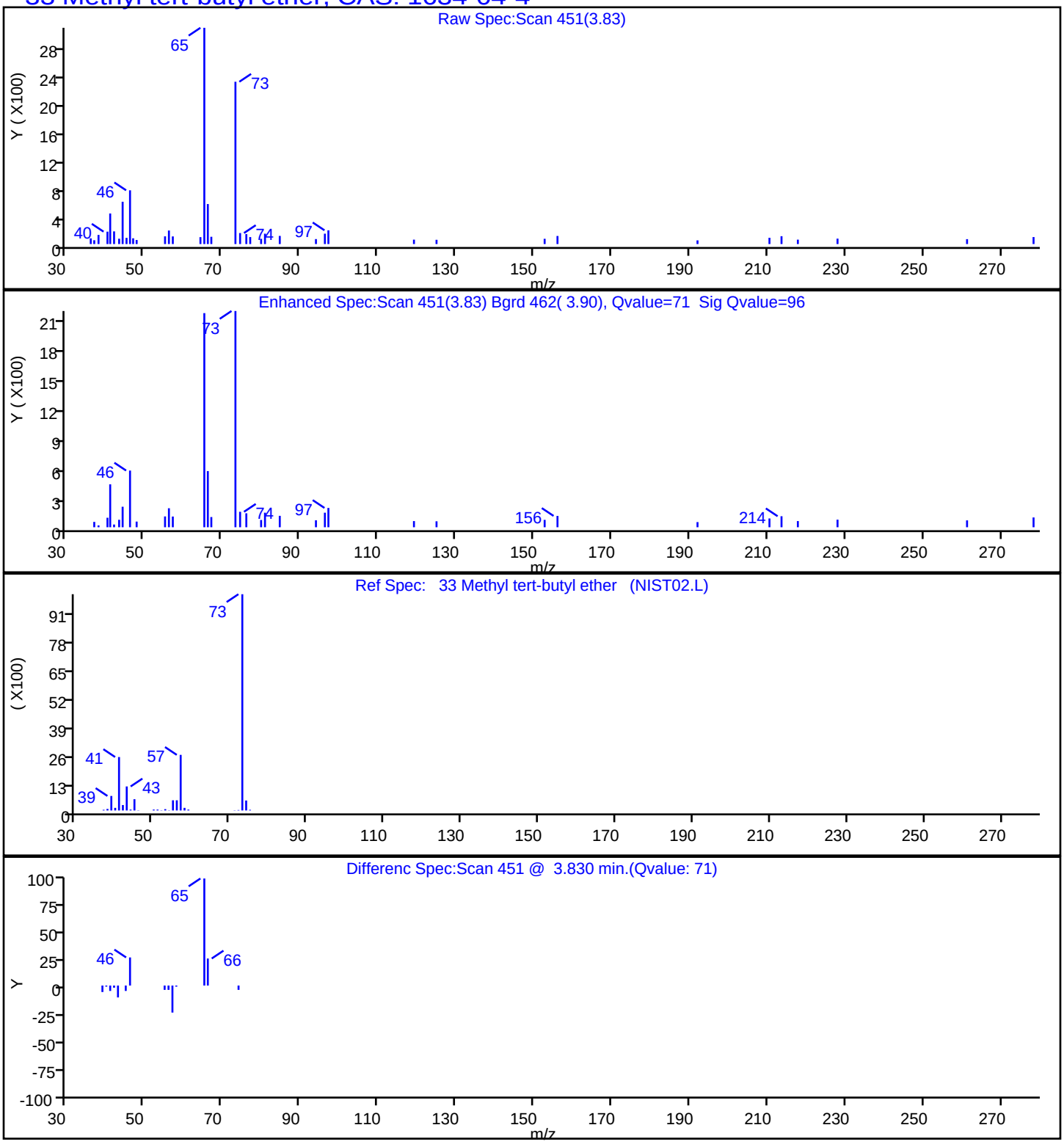
22 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D				
Injection Date:	07-Jul-2020 04:09:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-C-2	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:	VOA GC/MS1	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

33 Methyl tert-butyl ether, CAS: 1634-04-4



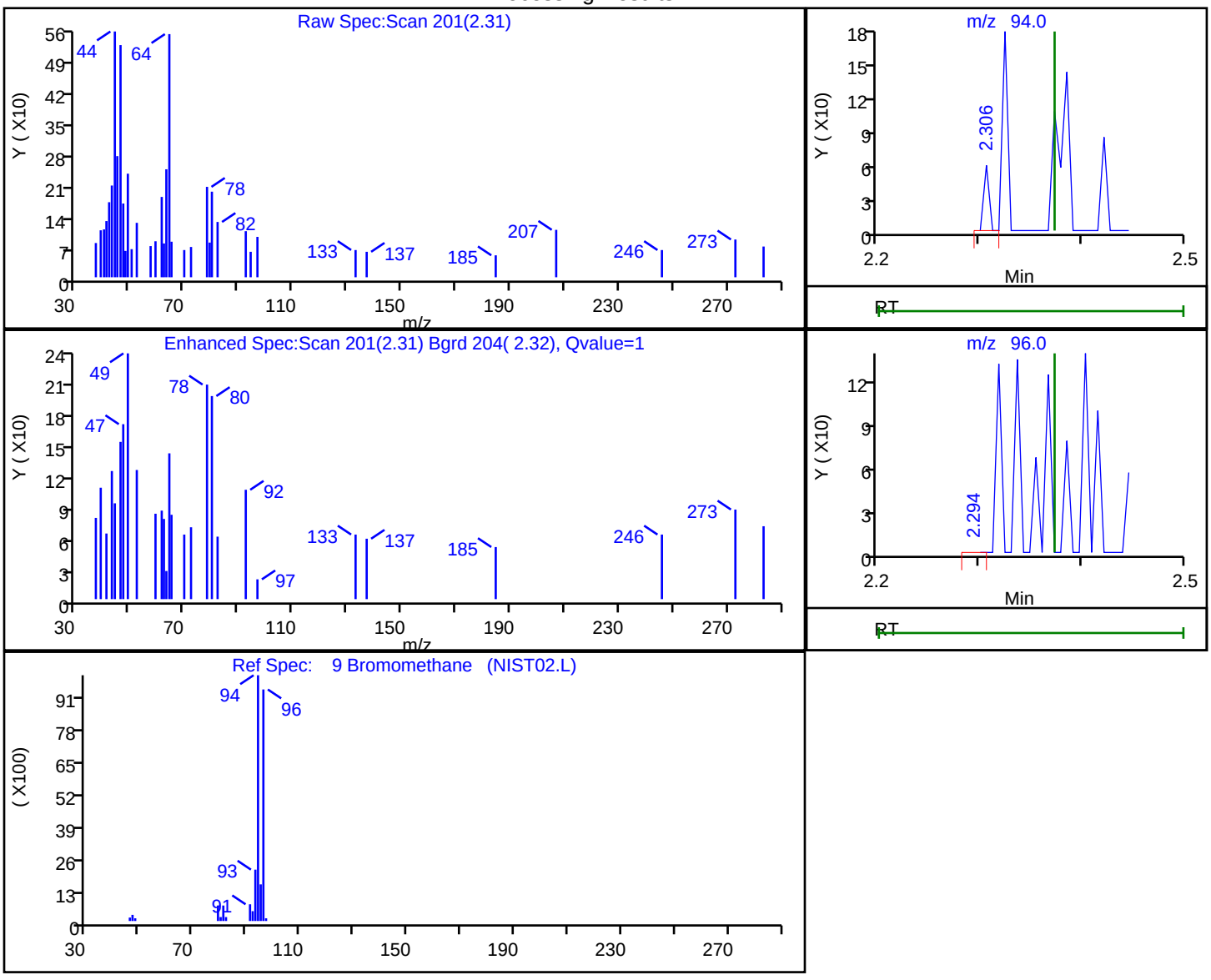
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D		
Injection Date:	07-Jul-2020 04:09:30	Instrument ID:	CVOAMS1
Lims ID:	460-212426-C-2	Lab Sample ID:	460-212426-2
Client ID:	MW-7A		
Operator ID:	VOA GC/MS1	ALS Bottle#:	24 Worklist Smp#: 25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.31	94.00	21	0.005232
2.29	96.00	20	

Reviewer: asfawa, 07-Jul-2020 08:43:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

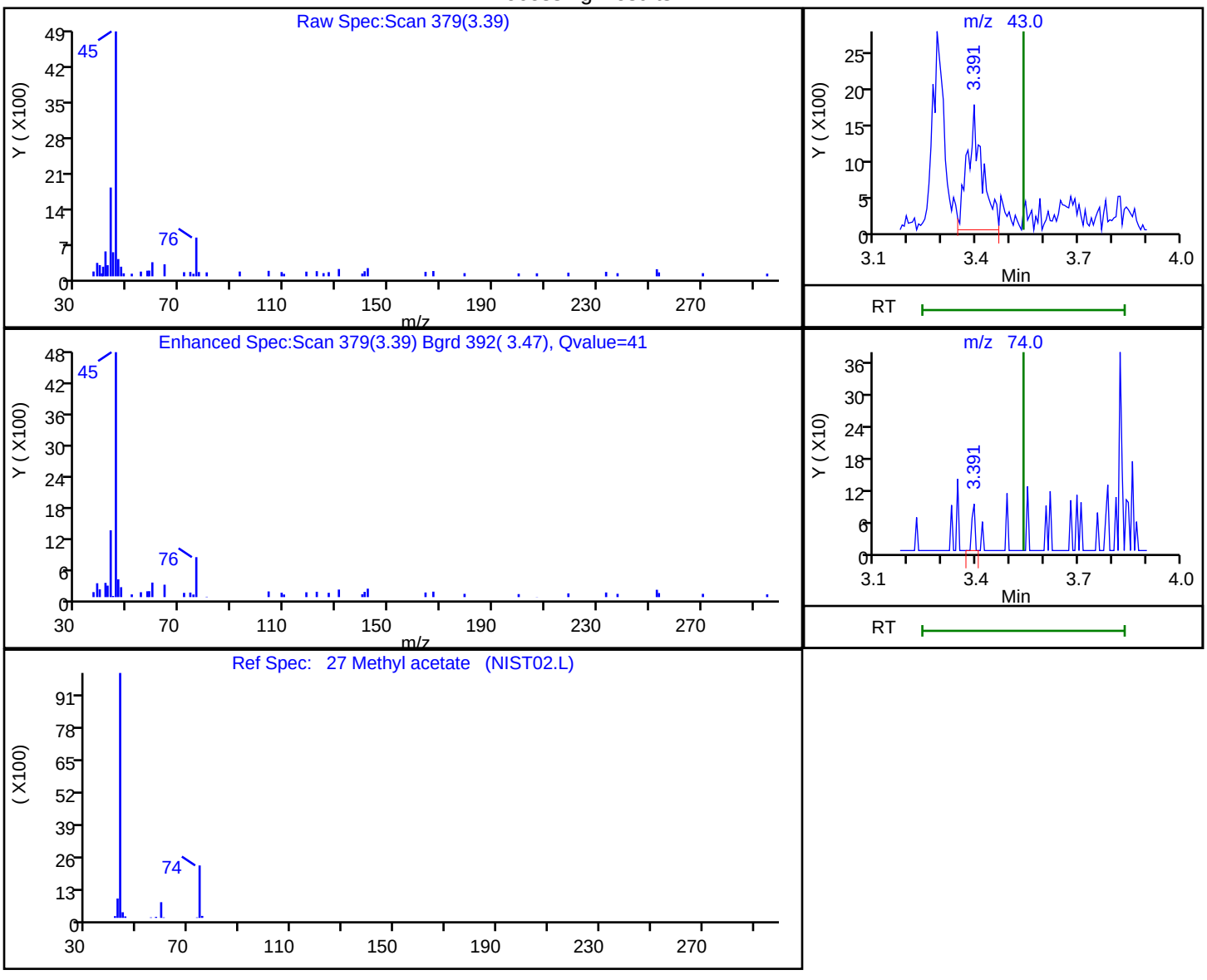
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D				
Injection Date:	07-Jul-2020 04:09:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-C-2	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:	VOA GC/MS1	ALS Bottle#:	24	Worklist Smp#:	25
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

27 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
3.39	43.00	5373	2.241899
3.39	74.00	54	

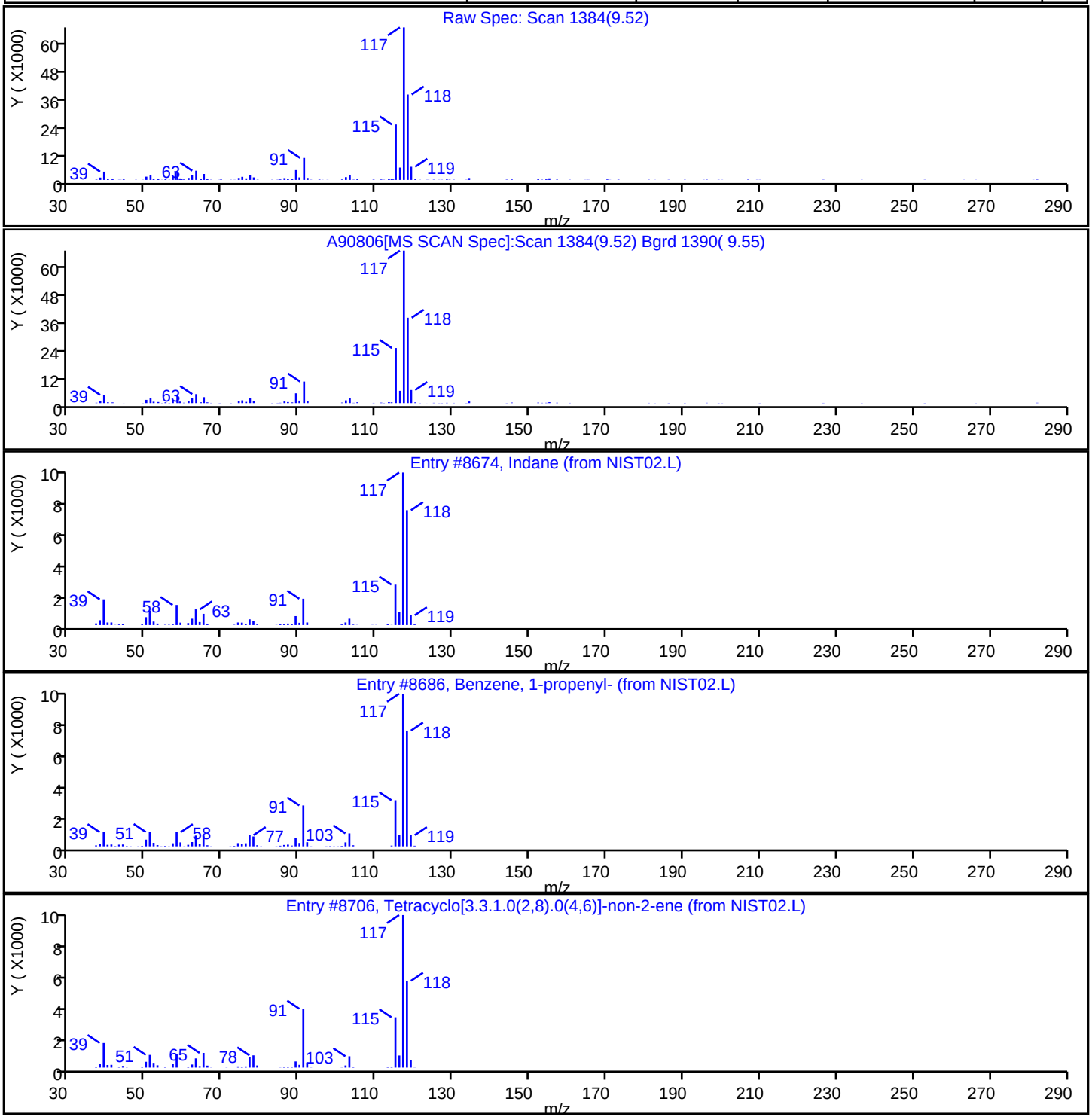
Reviewer: asfawa, 07-Jul-2020 08:43:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D
Injection Date: 07-Jul-2020 04:09:30 Instrument ID: CVOAMS1
Lims ID: 460-212426-C-2 Lab Sample ID: 460-212426-2
Client ID: MW-7A
Operator ID: VOA GC/MS1 ALS Bottle#: 24 Worklist Smp#: 25
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Indane	496-11-7	NIST02.L	8674	C9H10	118	91
Benzene, 1-propenyl-	637-50-3	NIST02.L	8686	C9H10	118	81
Tetracyclo[3.3.1.0(2,8).0(4,6)]-non-2-ene	1000191-13-7	NIST02.L	8706	C9H10	118	80



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90806.D

Injection Date: 07-Jul-2020 04:09:30 Instrument ID: CVOAMS1

Lims ID: 460-212426-C-2 Lab Sample ID: 460-212426-2

Client ID: MW-7A

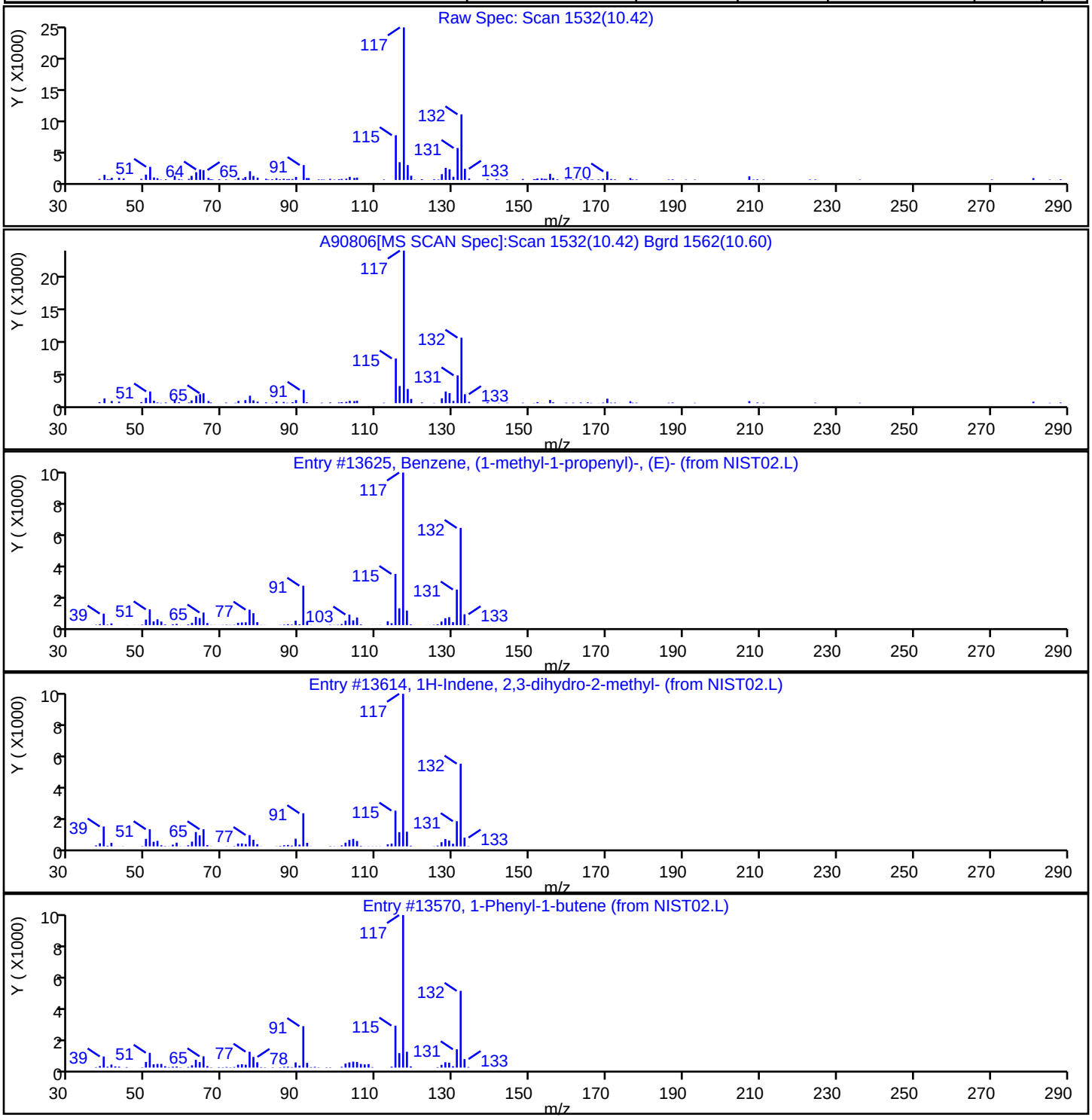
Operator ID: VOA GC/MS1 ALS Bottle#: 24 Worklist Smp#: 25

Purge Vol: 5.000 mL Dil. Factor: 1.0000

Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Benzene, (1-methyl-1-propenyl)-, (E)-	768-00-3	NIST02.L	13625	C10H12	132	94
1H-Indene, 2,3-dihydro-2-methyl-	824-63-5	NIST02.L	13614	C10H12	132	91
1-Phenyl-1-butene	824-90-8	NIST02.L	13570	C10H12	132	91



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup Lab Sample ID: 460-212426-3

Matrix: Water Lab File ID: A90807.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 04:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U *	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	6.0		5.0	4.4
71-43-2	Benzene	20		1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup Lab Sample ID: 460-212426-3

Matrix: Water Lab File ID: A90807.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 04:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	1.1		1.0	0.34
179601-23-1	m&p-Xylene	0.30	U	1.0	0.30
79-20-9	Methyl acetate	0.79	U	5.0	0.79
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
1634-04-4	MTBE	0.47	U	1.0	0.47
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		75-123
460-00-4	Bromofluorobenzene	103		76-120
1868-53-7	Dibromofluoromethane (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	95		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup Lab Sample ID: 460-212426-3

Matrix: Water Lab File ID: A90807.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 04:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

Number TICs Found: 1 TIC Result Total: 22

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
496-11-7	Indane	9.52	22	J N	95%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D
Lims ID: 460-212426-A-3
Client ID: Dup
Sample Type: Client
Inject. Date: 07-Jul-2020 04:32:30 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-212426-a-3
Misc. Info.: 460-0112801-026
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 14:43:16 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1047

First Level Reviewer: asfawa Date: 07-Jul-2020 08:45:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Acetone	58	3.288	3.281	0.007	80	2252	5.99	M
* 31 TBA-d9 (IS)	65	3.672	3.666	0.006	33	334809	1000.0	
* 42 2-Butanone-d5	46	4.665	4.659	0.006	87	293547	250.0	
$ 54 Dibromofluoromethane (Surr)	113	5.062	5.062	0.000	98	126729	47.5	
60 Benzene	78	5.336	5.336	0.000	95	249374	20.0	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.342	0.006	90	135423	44.5	
* 66 Fluorobenzene	96	5.562	5.555	0.007	99	572714	50.0	
* 72 1,4-Dioxane-d8	96	6.135	6.128	0.007	22	38442	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	100	484605	47.6	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	84	403037	50.0	
104 Isopropylbenzene	105	8.591	8.591	0.000	96	15746	1.08	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	95	151795	51.5	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	94	226110	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated

Reagents:

8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D				
Lims ID:	460-212426-A-3				
Client ID:	Dup				
Sample Type:	Client				
Inject. Date:	07-Jul-2020 04:32:30	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-212426-a-3				
Misc. Info.:	460-0112801-026				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	07-Jul-2020 14:43:16	Calib Date:	11-Jun-2020 04:26:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Edison\Database\NIST02.L				
Min. Match:	60				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1047				
First Level Reviewer: asfawa		Date:	07-Jul-2020 08:45:08		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
	496-11-7 Indane							
9.518	558713	22.4	121	95	8676	C9H10	118	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 121 1,4-Dichlorobenzene-d4	9.372	1246018	50.0

QC Flag Legend

Processing Flags

Reagents:

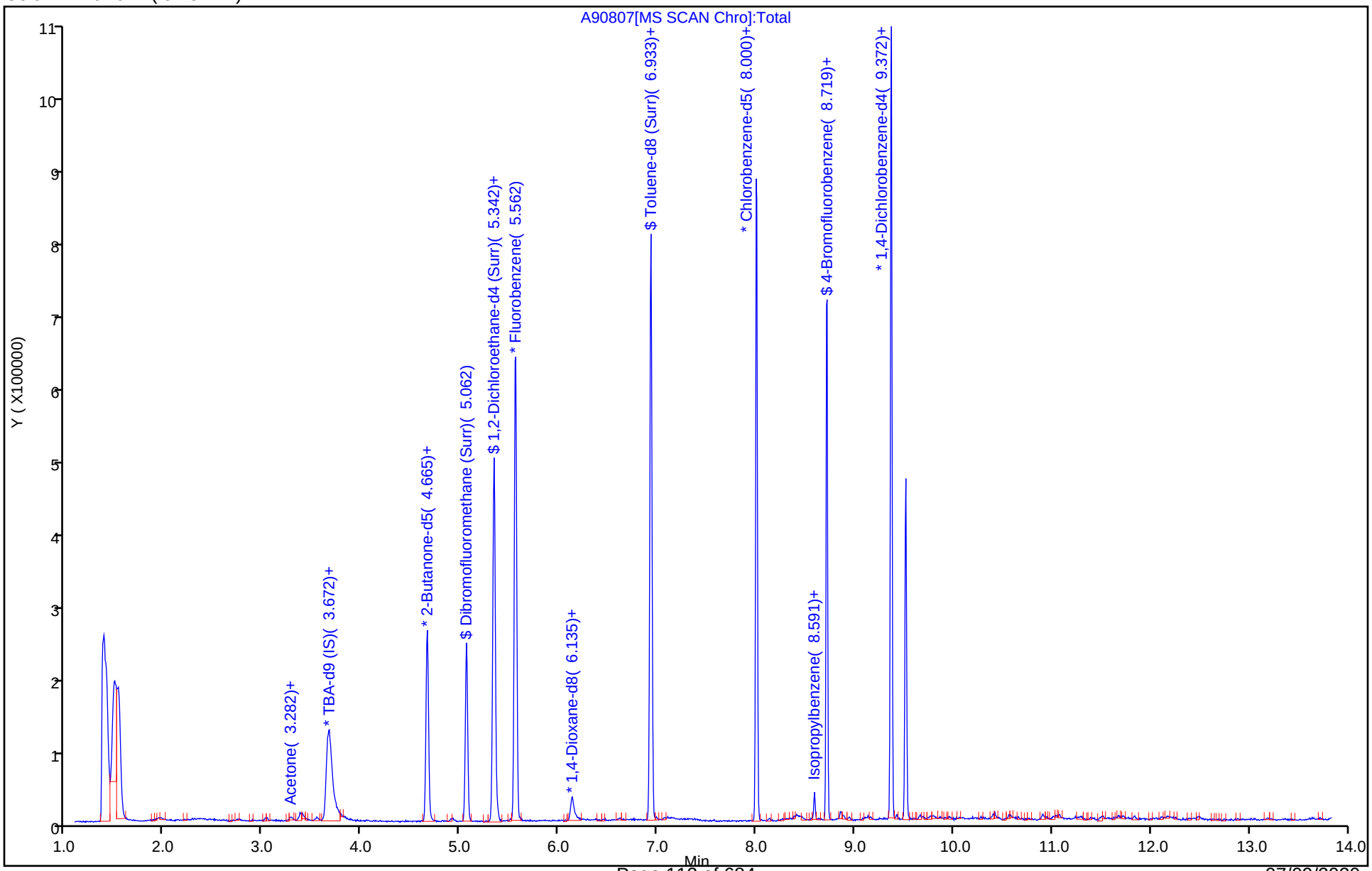
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

Report Date: 07-Jul-2020 14:45:56 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D				
Injection Date:	07-Jul-2020 04:32:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-212426-A-3	Lab Sample ID:	460-212426-3	Worklist Smp#:	26
Client ID:	Dup				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

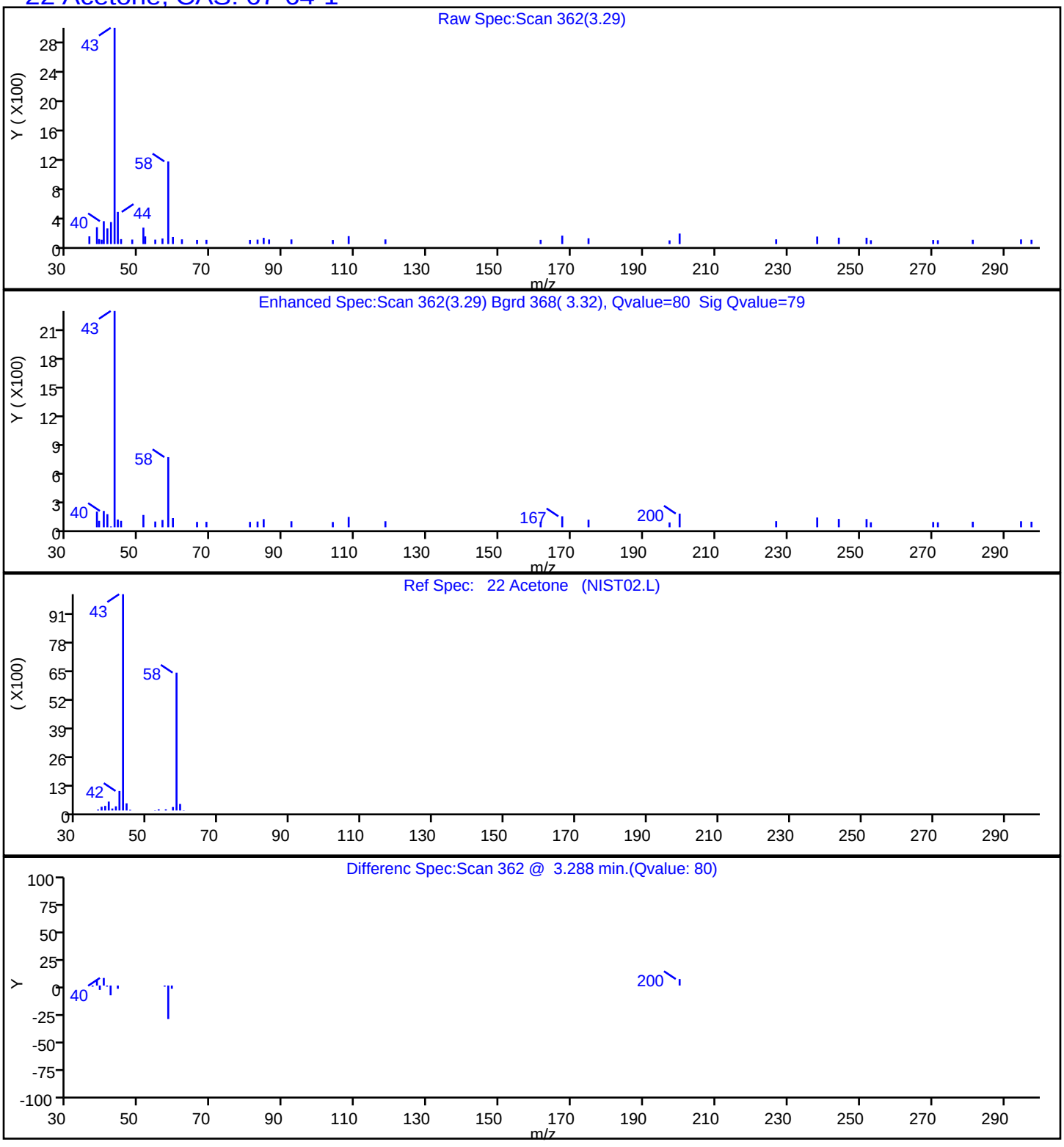
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D				
Injection Date:	07-Jul-2020 04:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-A-3	Lab Sample ID:	460-212426-3		
Client ID:	Dup				
Operator ID:	VOA GC/MS1	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

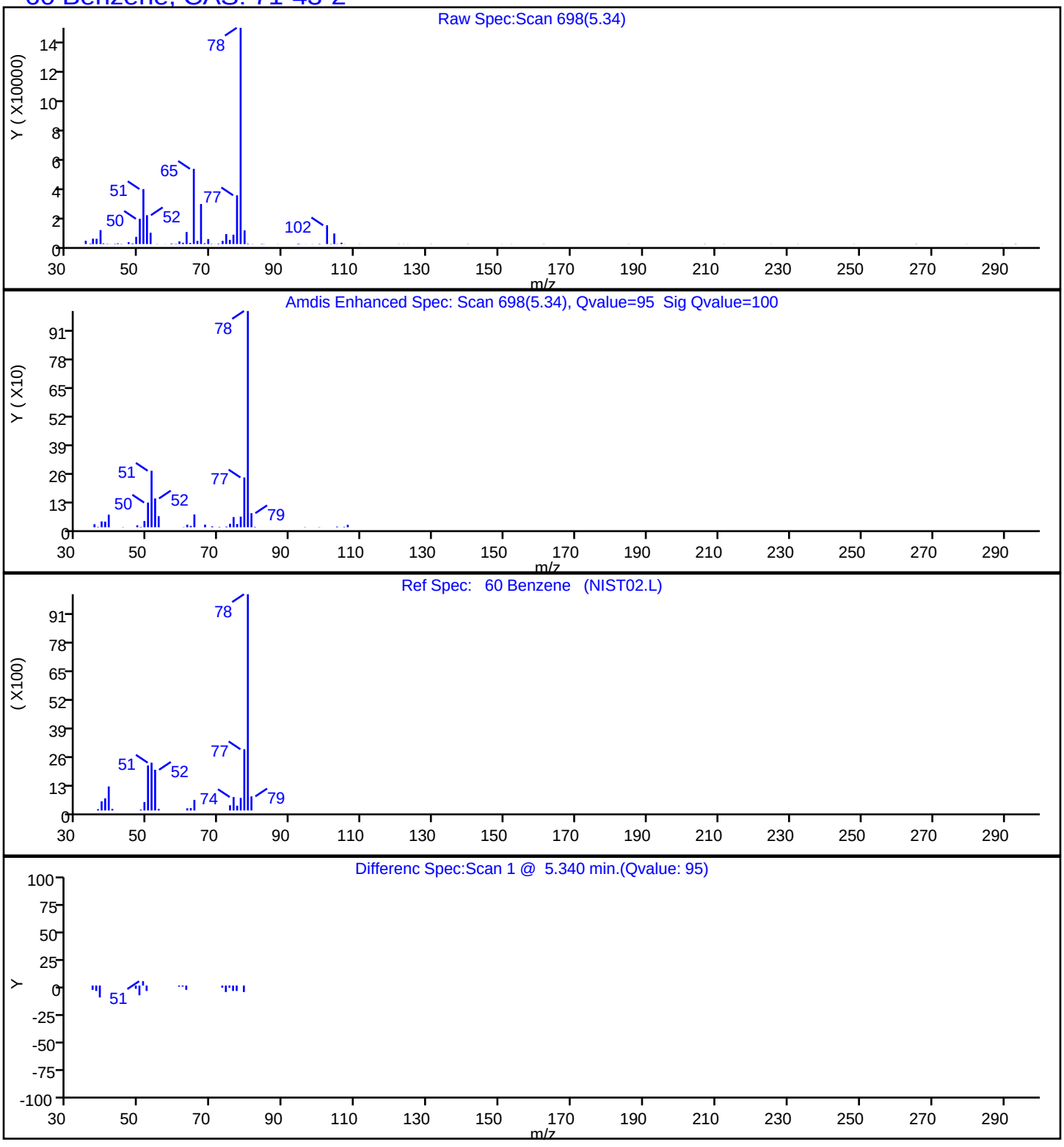
22 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D				
Injection Date:	07-Jul-2020 04:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-A-3	Lab Sample ID:	460-212426-3		
Client ID:	Dup				
Operator ID:	VOA GC/MS1	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

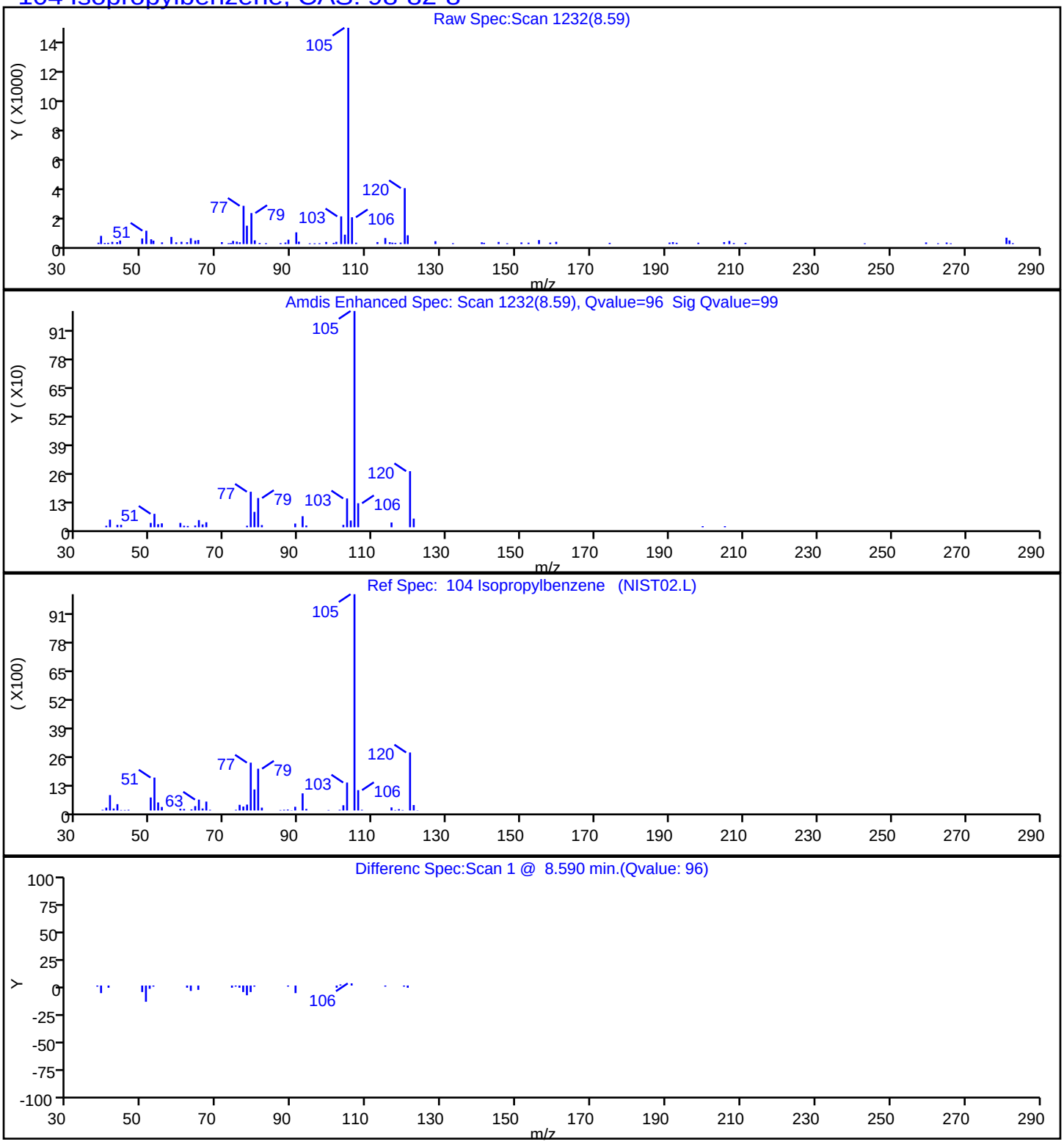
60 Benzene, CAS: 71-43-2



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D				
Injection Date:	07-Jul-2020 04:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-A-3	Lab Sample ID:	460-212426-3		
Client ID:	Dup				
Operator ID:	VOA GC/MS1	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

104 Isopropylbenzene, CAS: 98-82-8



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

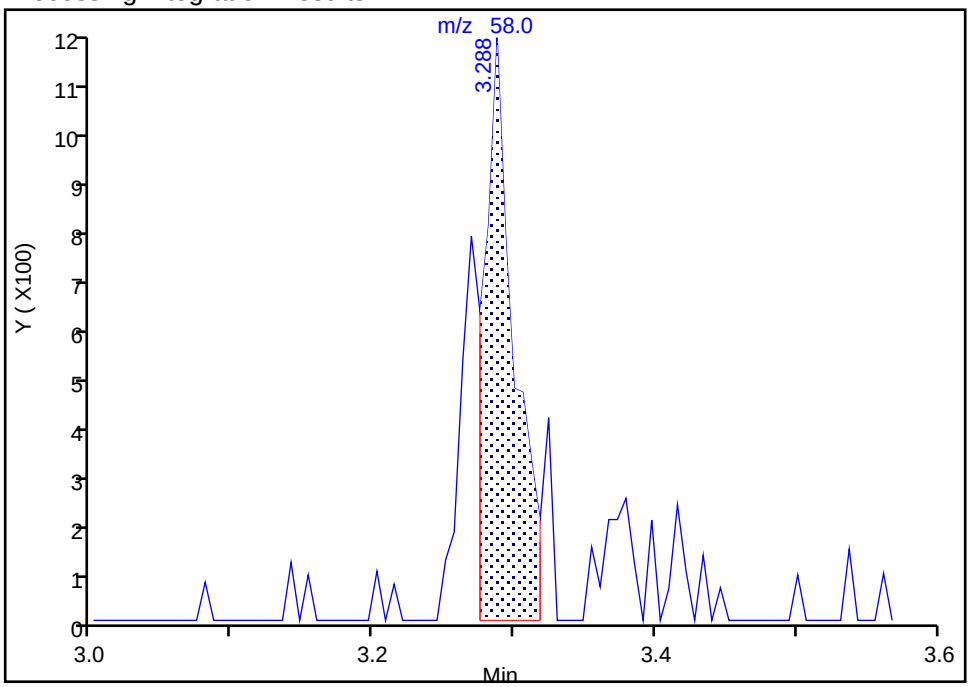
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Injection Date:	07-Jul-2020 04:32:30	Instrument ID:	CVOAMS1
Lims ID:	460-212426-A-3	Lab Sample ID:	460-212426-3
Client ID:	Dup		
Operator ID:	VOA GC/MS1	ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

22 Acetone, CAS: 67-64-1

Signal: 1

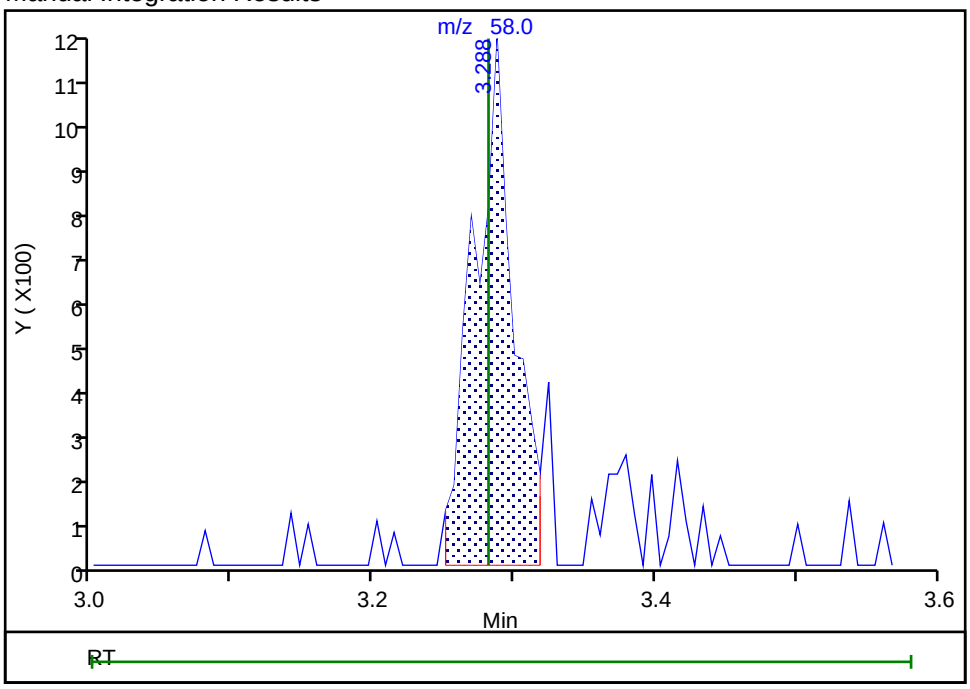
Processing Integration Results

RT: 3.29
Area: 1691
Amount: 4.499134
Amount Units: ug/l



Manual Integration Results

RT: 3.29
Area: 2252
Amount: 5.991751
Amount Units: ug/l



Reviewer: asfawa, 07-Jul-2020 08:44:17
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

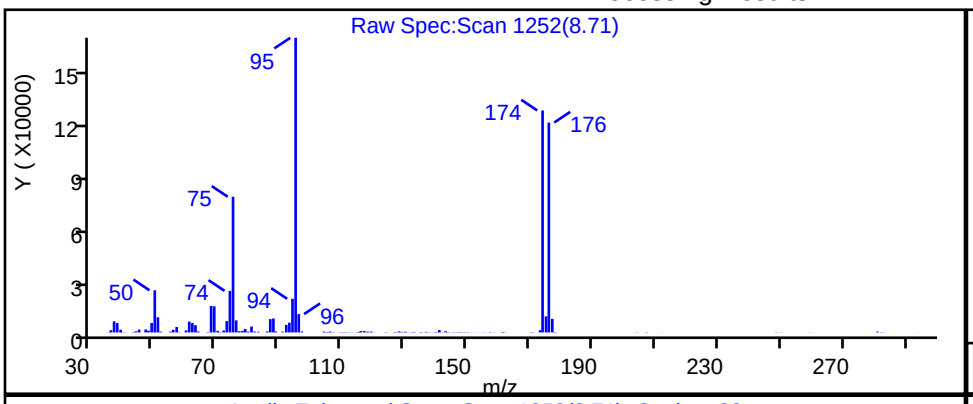
User Disabled Compound Report

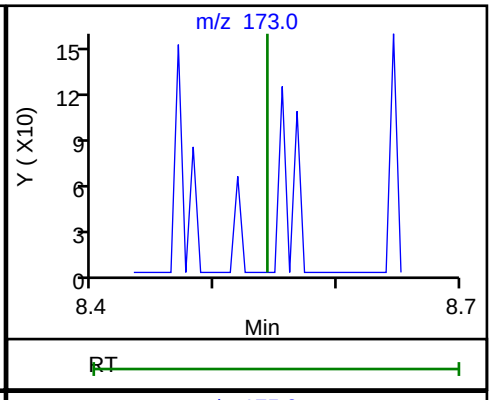
Eurofins TestAmerica, Edison

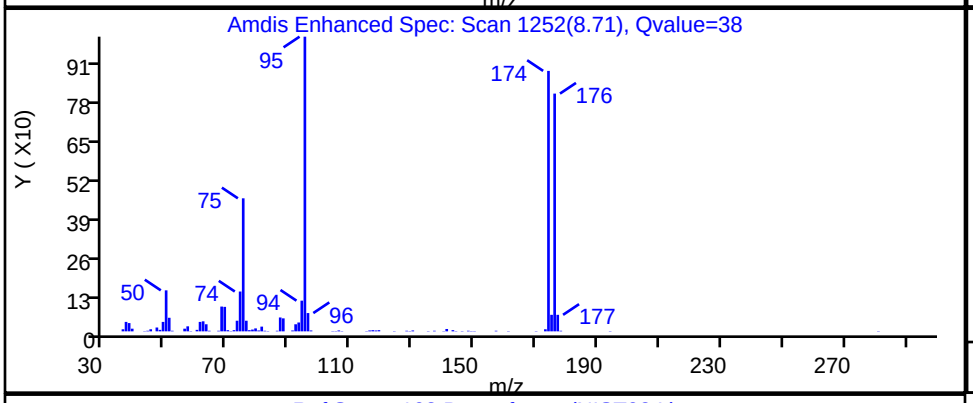
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D		
Injection Date:	07-Jul-2020 04:32:30	Instrument ID:	CVOAMS1
Lims ID:	460-212426-A-3	Lab Sample ID:	460-212426-3
Client ID:	Dup		
Operator ID:	VOA GC/MS1	ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

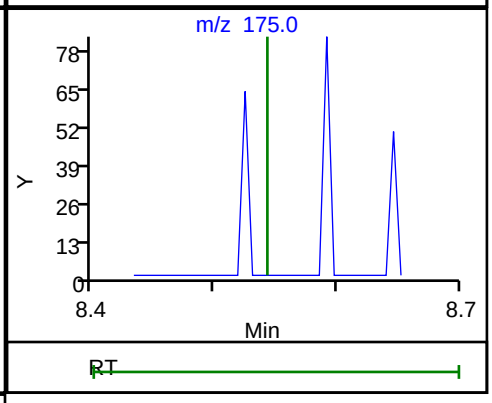
103 Bromoform, CAS: 75-25-2

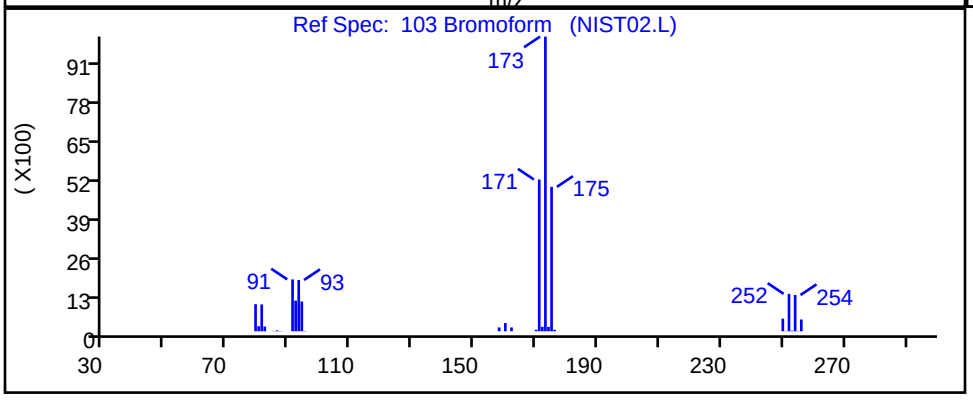
Processing Results











RT	Mass	Response	Amount
8.71	173.00	1455	1.781392
8.72	175.00	10045	

Reviewer: asfawa, 07-Jul-2020 08:44:33

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

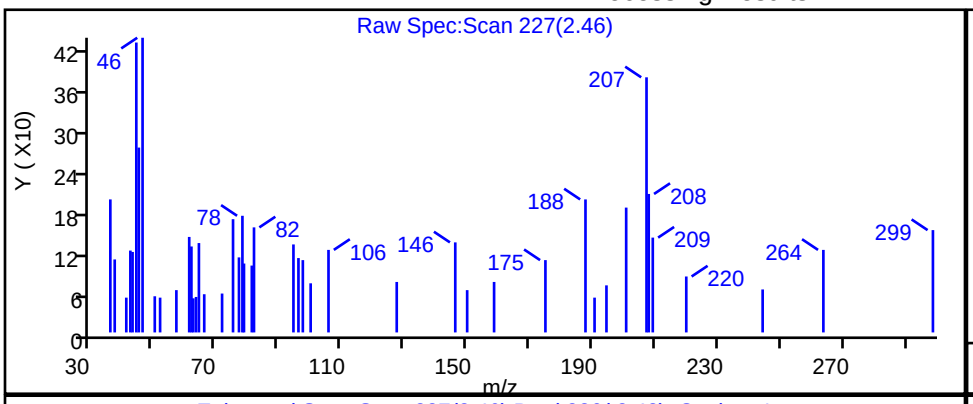
User Disabled Compound Report

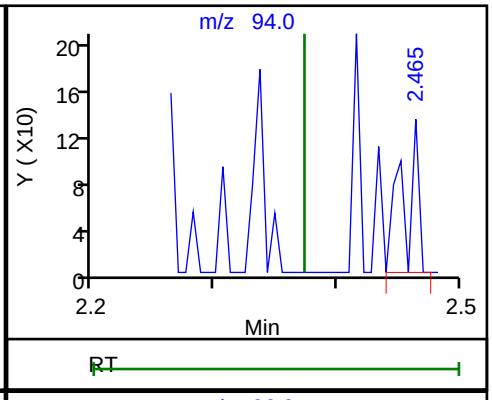
Eurofins TestAmerica, Edison

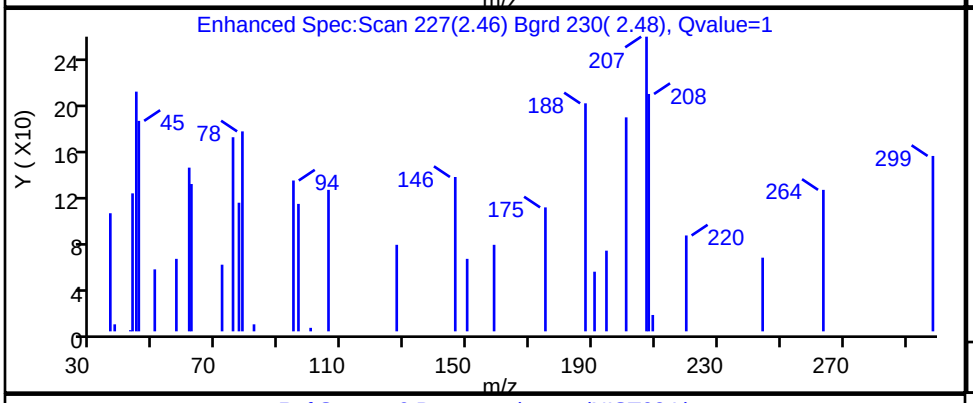
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D		
Injection Date:	07-Jul-2020 04:32:30	Instrument ID:	CVOAMS1
Lims ID:	460-212426-A-3	Lab Sample ID:	460-212426-3
Client ID:	Dup		
Operator ID:	VOA GC/MS1	ALS Bottle#:	25 Worklist Smp#: 26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

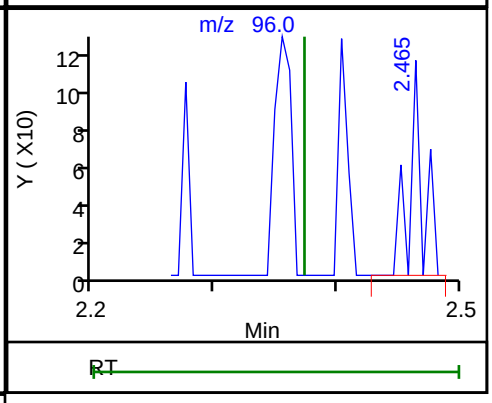
9 Bromomethane, CAS: 74-83-9

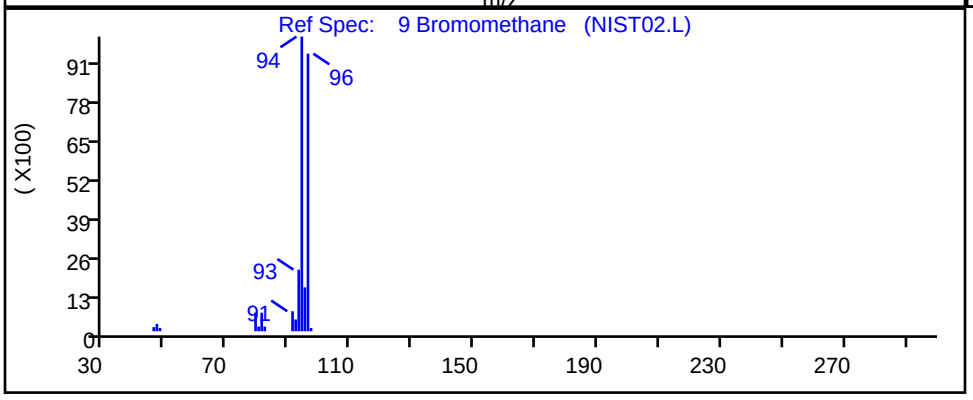
Processing Results











RT	Mass	Response	Amount
2.46	94.00	109	0.027909
2.46	96.00	84	

Reviewer: asfawa, 07-Jul-2020 08:44:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

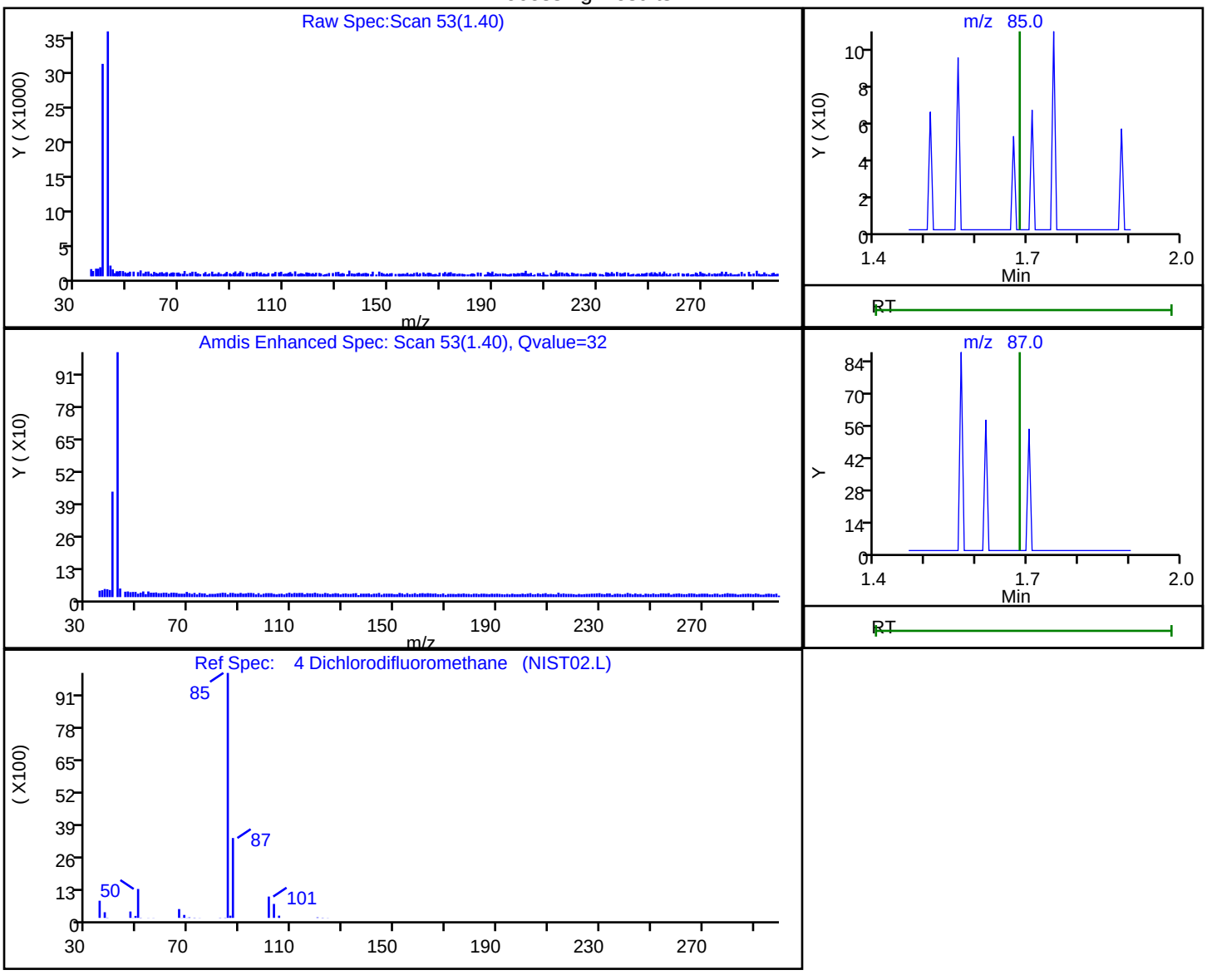
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D				
Injection Date:	07-Jul-2020 04:32:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-A-3	Lab Sample ID:	460-212426-3		
Client ID:	Dup				
Operator ID:	VOA GC/MS1	ALS Bottle#:	25	Worklist Smp#:	26
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.40	85.00	1946	0.393865
1.40	87.00	2706	

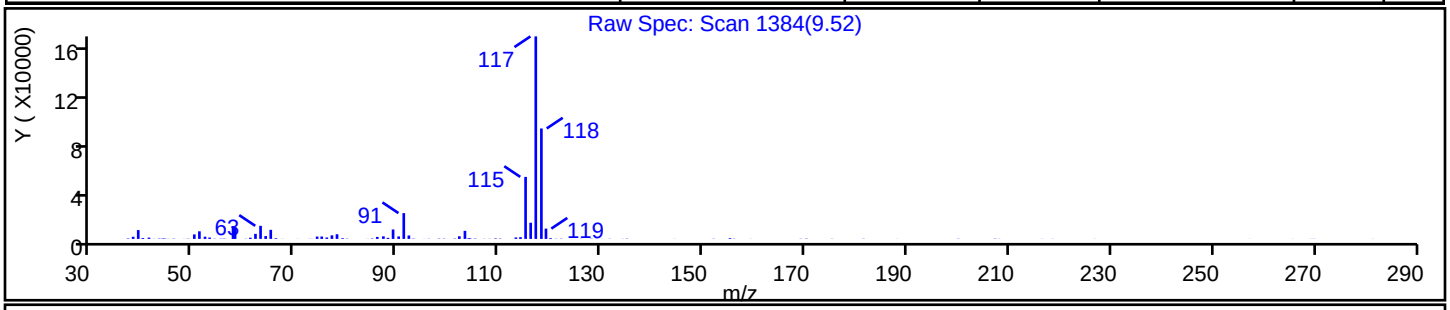
Reviewer: asfawa, 07-Jul-2020 08:44:02

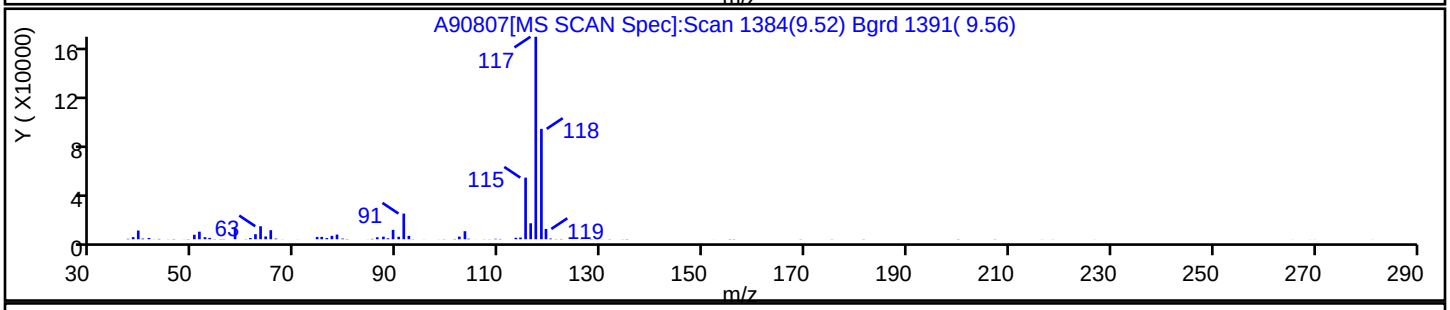
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

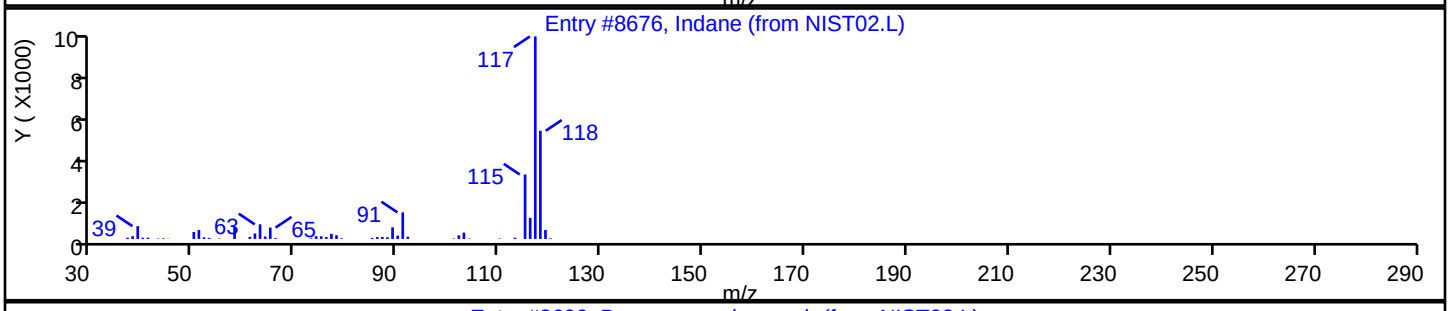
Eurofins TestAmerica, Edison

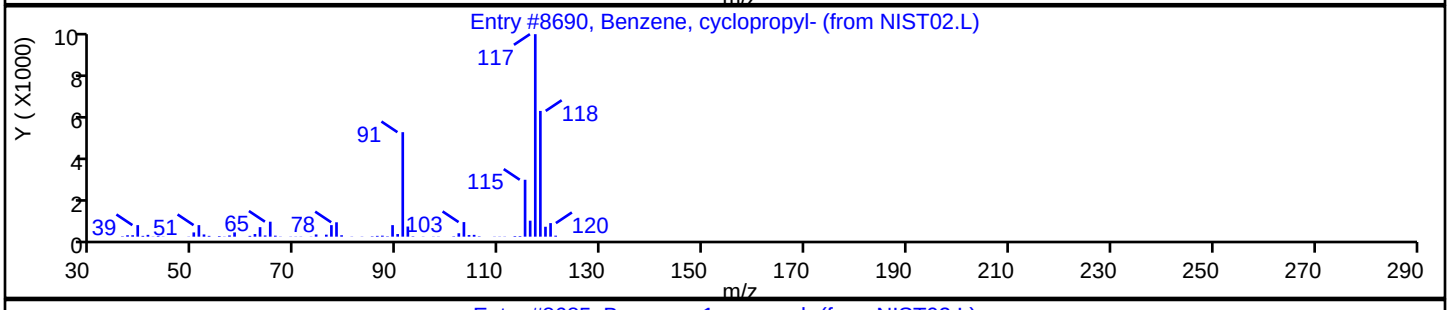
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90807.D
Injection Date: 07-Jul-2020 04:32:30 Instrument ID: CVOAMS1
Lims ID: 460-212426-A-3 Lab Sample ID: 460-212426-3
Client ID: Dup
Operator ID: VOA GC/MS1 ALS Bottle#: 25 Worklist Smp#: 26
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

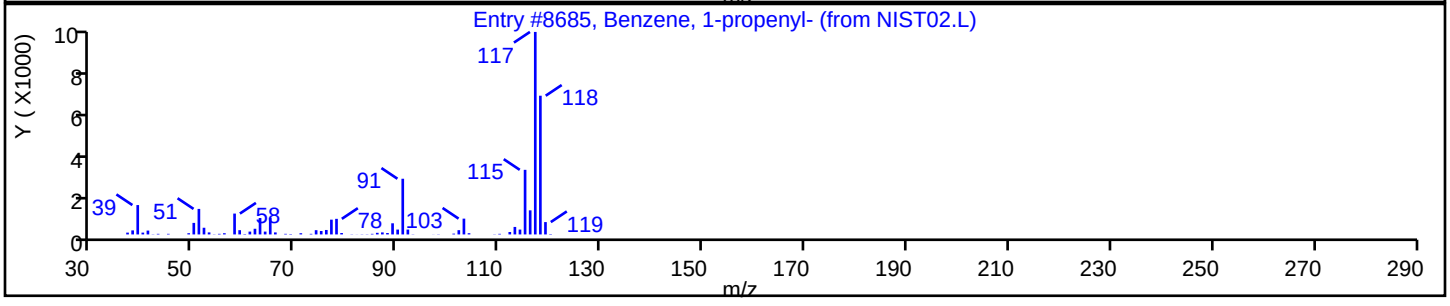
Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Indane	496-11-7	NIST02.L	8676	C9H10	118	95
Benzene, cyclopropyl-	873-49-4	NIST02.L	8690	C9H10	118	87
Benzene, 1-propenyl-	637-50-3	NIST02.L	8685	C9H10	118	87











FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup RA Lab Sample ID: 460-212426-3 RA

Matrix: Water Lab File ID: F98181.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2020 00:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	6.9		5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup RA Lab Sample ID: 460-212426-3 RA

Matrix: Water Lab File ID: F98181.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2020 00:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	*Freon TF*	*0.31*	*U*	*1.0*	*0.31*
98-82-8	*Isopropylbenzene*	*0.69*	*J*	*1.0*	*0.34*
179601-23-1	*m&p-Xylene*	*0.30*	*U*	*1.0*	*0.30*
79-20-9	*Methyl acetate*	*0.79*	*U*	*5.0*	*0.79*
108-87-2	*Methylcyclohexane*	*0.26*	*U*	*1.0*	*0.26*
75-09-2	*Methylene Chloride*	*0.32*	*U*	*1.0*	*0.32*
1634-04-4	*MTBE*	*0.47*	*U*	*1.0*	*0.47*
95-47-6	*o-Xylene*	*0.36*	*U*	*1.0*	*0.36*
100-42-5	*Styrene*	*0.42*	*U*	*1.0*	*0.42*
127-18-4	*Tetrachloroethene*	*0.25*	*U*	*1.0*	*0.25*
108-88-3	*Toluene*	*0.38*	*U*	*1.0*	*0.38*
156-60-5	*trans-1,2-Dichloroethene*	*0.24*	*U*	*1.0*	*0.24*
10061-02-6	*trans-1,3-Dichloropropene*	*0.49*	*U*	*1.0*	*0.49*
79-01-6	*Trichloroethene*	*0.31*	*U*	*1.0*	*0.31*
75-69-4	*Trichlorofluoromethane*	*0.32*	*U*	*1.0*	*0.32*
75-01-4	*Vinyl chloride*	*0.17*	*U*	*1.0*	*0.17*

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
460-00-4	Bromofluorobenzene	110		76-120
1868-53-7	Dibromofluoromethane (Surr)	103		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup RA Lab Sample ID: 460-212426-3 RA

Matrix: Water Lab File ID: F98181.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/08/2020 00:34

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

Number TICs Found: 1 TIC Result Total: 20

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
496-11-7	*Indane*	*11.07*	*20*	*J N*	91%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98181.D
Lims ID: 460-212426-C-3
Client ID: Dup
Sample Type: Client
Inject. Date: 08-Jul-2020 00:34:30 ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: 460-212426-C-3
Misc. Info.: 460-0112863-014
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 11:36:15 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: yallabg Date: 08-Jul-2020 02:10:30

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
22 Acetone	43	2.831	2.848	-0.017	84	5037	6.88	
* 31 TBA-d9 (IS)	65	3.168	3.176	-0.008	0	172556	1000.0	
* 42 2-Butanone-d5	46	4.212	4.220	-0.008	0	190110	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.672	4.680	-0.008	96	92070	51.7	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.017	5.025	-0.008	0	102033	46.3	
* 65 Fluorobenzene	96	5.288	5.296	-0.008	99	402064	50.0	
* 71 1,4-Dioxane-d8	96	5.987	5.978	0.009	0	18981	1000.0	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	99	386853	48.5	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	84	289440	50.0	
103 Isopropylbenzene	105	9.840	9.840	0.000	94	7209	0.6880	
$ 104 4-Bromofluorobenzene	174	10.013	10.021	-0.008	87	115544	54.8	
* 120 1,4-Dichlorobenzene-d4	152	10.900	10.908	-0.008	95	170171	50.0	

Reagents:

VOA6IS/SURR_00036 Amount Added: 5.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98181.D				
Lims ID:	460-212426-C-3				
Client ID:	Dup				
Sample Type:	Client				
Inject. Date:	08-Jul-2020 00:34:30	ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-212426-C-3				
Misc. Info.:	460-0112863-014				
Operator ID:		Instrument ID:	CVOAMS6		
Method:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	08-Jul-2020 11:36:15	Calib Date:	01-Jul-2020 18:44:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Edison\Database\NIST02.L				
Min. Match:	10				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1057				
First Level Reviewer: yallabg		Date:	08-Jul-2020 02:10:30		

Tentative Identified Compound Results

RT	Area	Amount ug/l	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
496-11-7 Indane								
11.065	385137	20.3	120	91	8676	C9H10	118	

Quantitation Compounds

Compound	RT	Area	Amount ug/l
* 120 1,4-Dichlorobenzene-d4	10.900	948503	50.0

QC Flag Legend

Processing Flags

Reagents:

VOA6IS/SURR_00036 Amount Added: 5.00 Units: uL Run Reagent

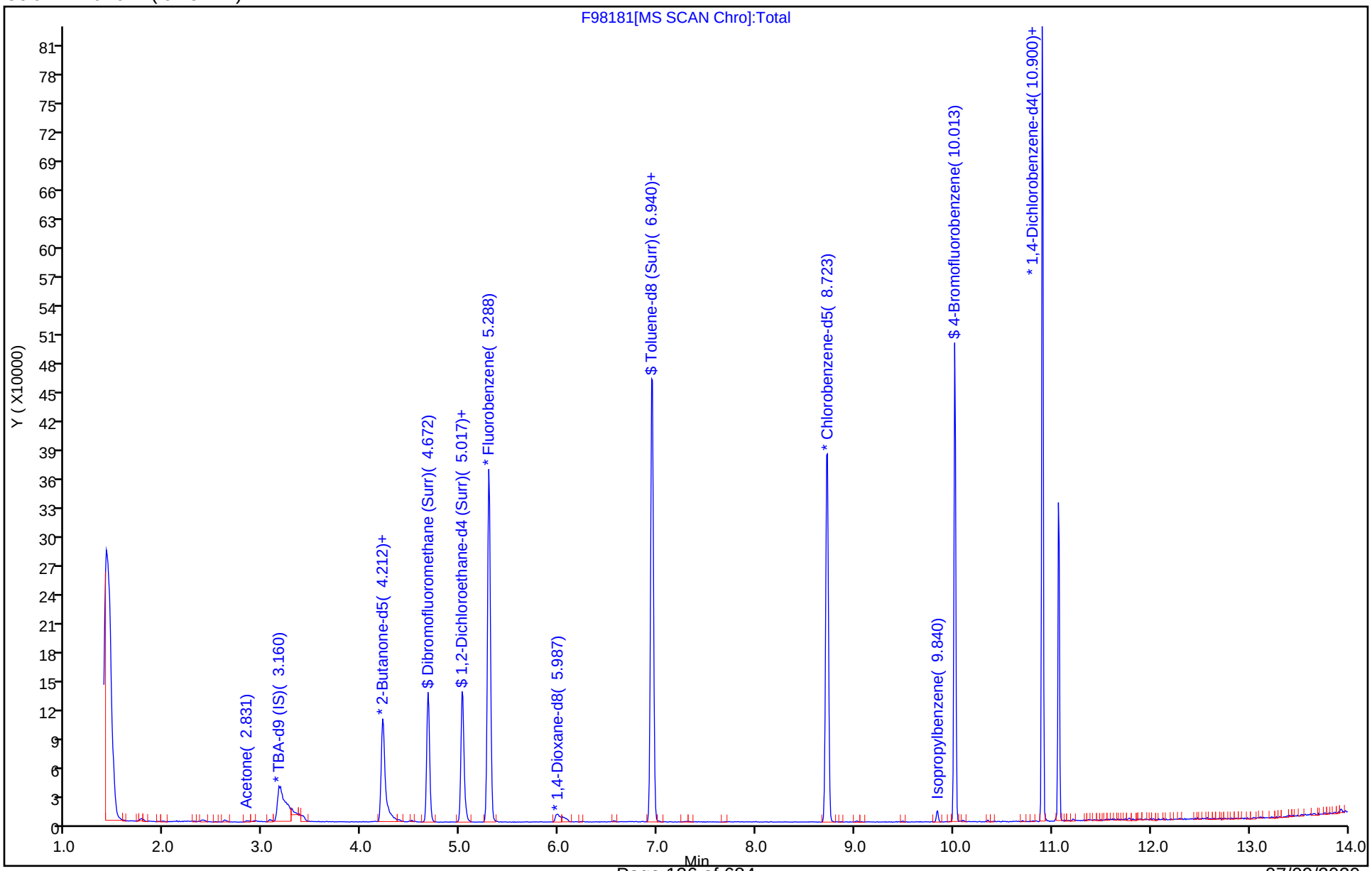
Report Date: 08-Jul-2020 11:36:15 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98181.D

Injection Date:	08-Jul-2020 00:34:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	460-212426-C-3	Lab Sample ID:	460-212426-3	Worklist Smp#:	14
Client ID:	Dup				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	13
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

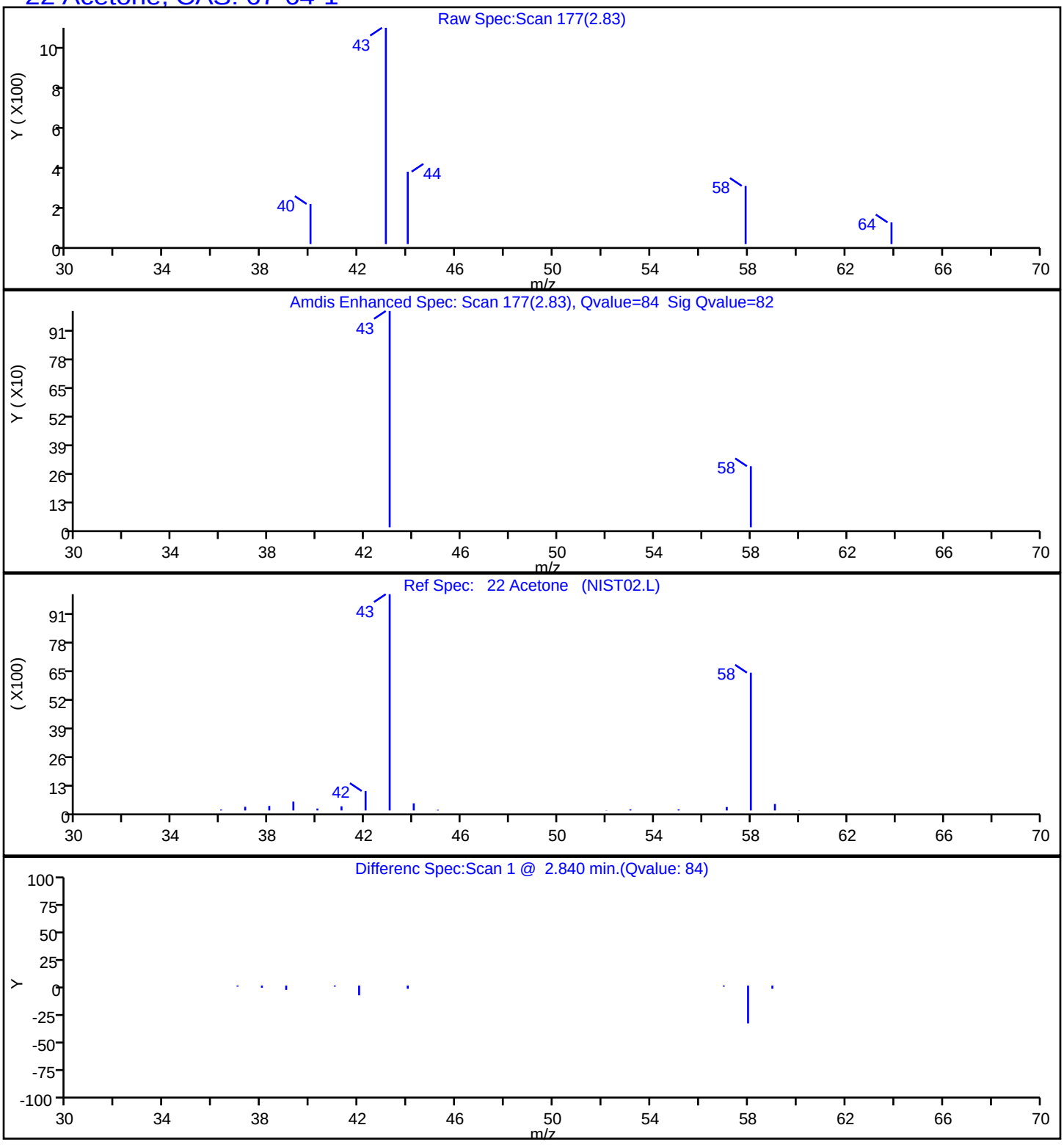
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98181.D		
Injection Date:	08-Jul-2020 00:34:30	Instrument ID:	CVOAMS6
Lims ID:	460-212426-C-3	Lab Sample ID:	460-212426-3
Client ID:	Dup		
Operator ID:		ALS Bottle#:	13 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

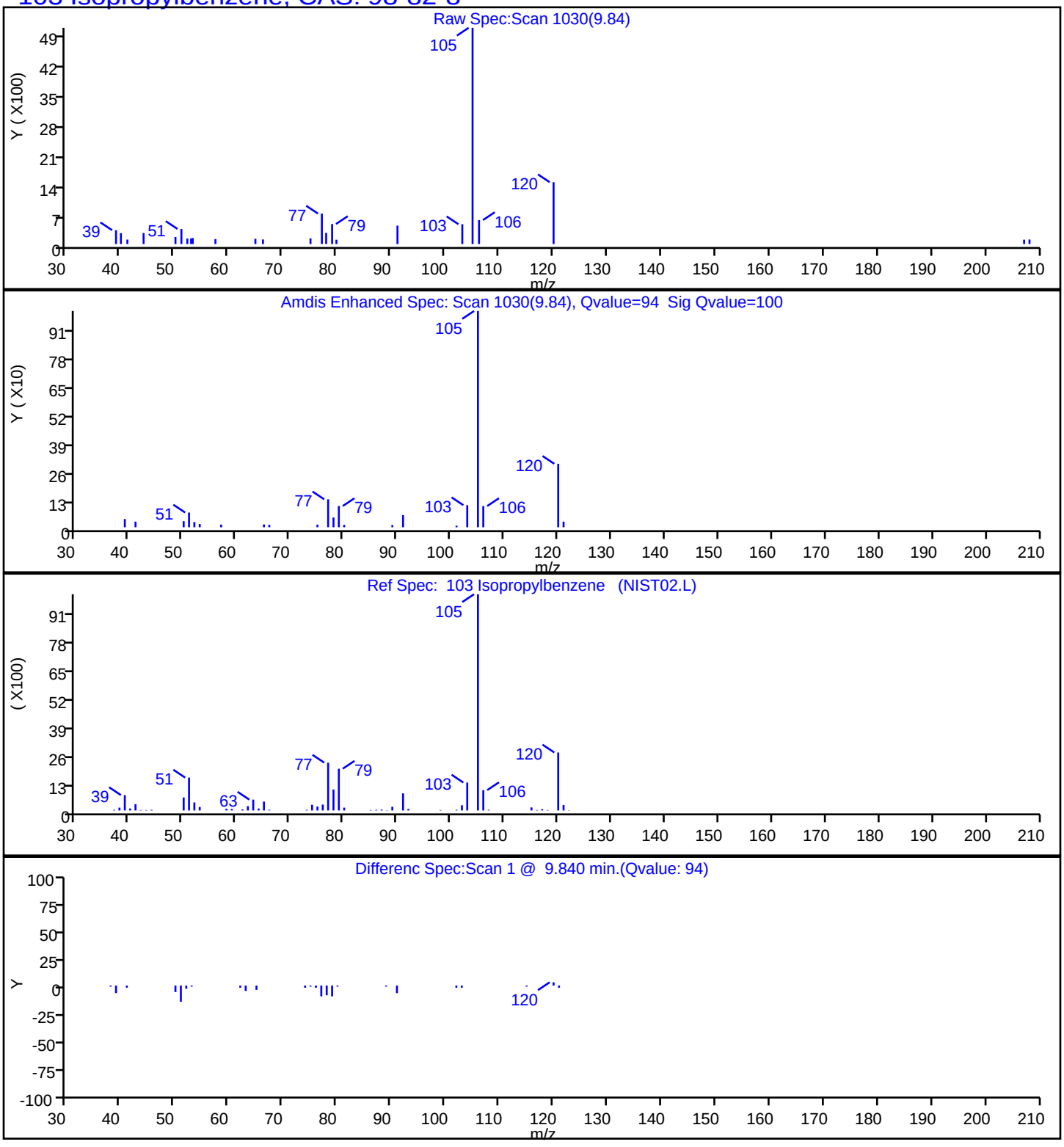
22 Acetone, CAS: 67-64-1



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98181.D		
Injection Date:	08-Jul-2020 00:34:30	Instrument ID:	CVOAMS6
Lims ID:	460-212426-C-3	Lab Sample ID:	460-212426-3
Client ID:	Dup		
Operator ID:		ALS Bottle#:	13 Worklist Smp#: 14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN

103 Isopropylbenzene, CAS: 98-82-8



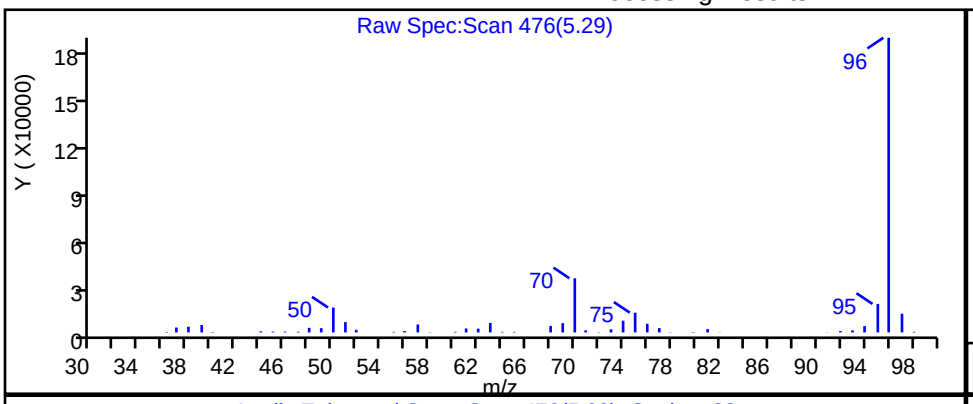
User Disabled Compound Report

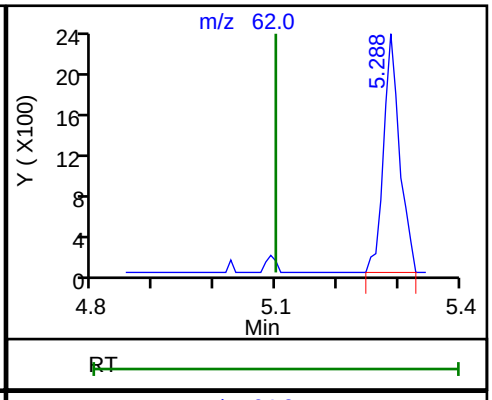
Eurofins TestAmerica, Edison

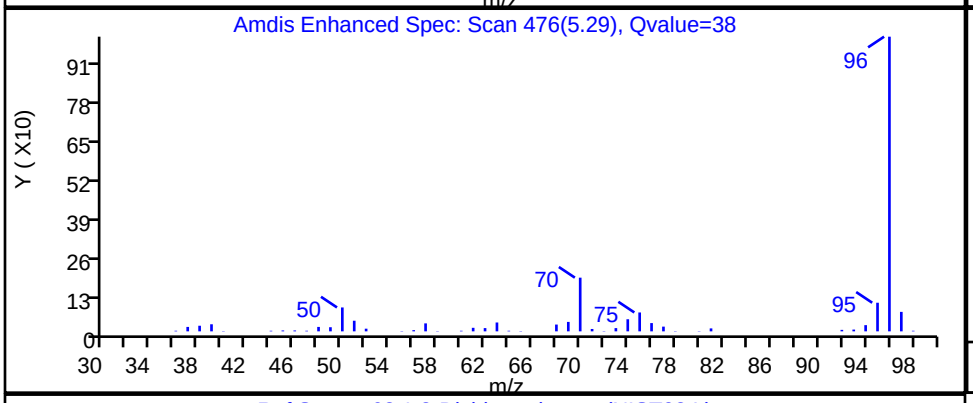
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98181.D				
Injection Date:	08-Jul-2020 00:34:30	Instrument ID:	CVOAMS6		
Lims ID:	460-212426-C-3	Lab Sample ID:	460-212426-3		
Client ID:	Dup				
Operator ID:		ALS Bottle#:	13	Worklist Smp#:	14
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

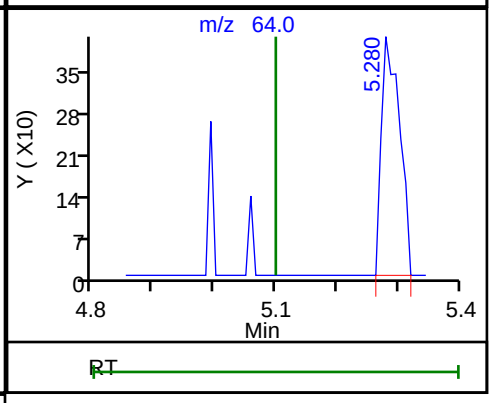
63 1,2-Dichloroethane, CAS: 107-06-2

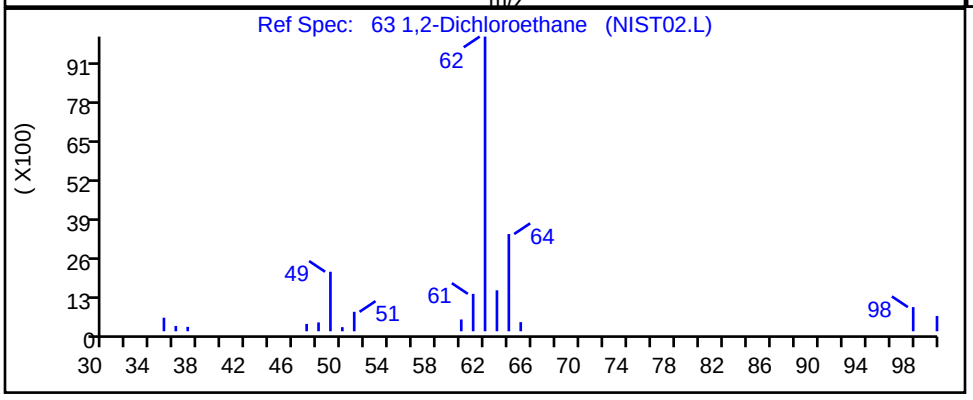
Processing Results











RT	Mass	Response	Amount
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5.28	64.00	838	

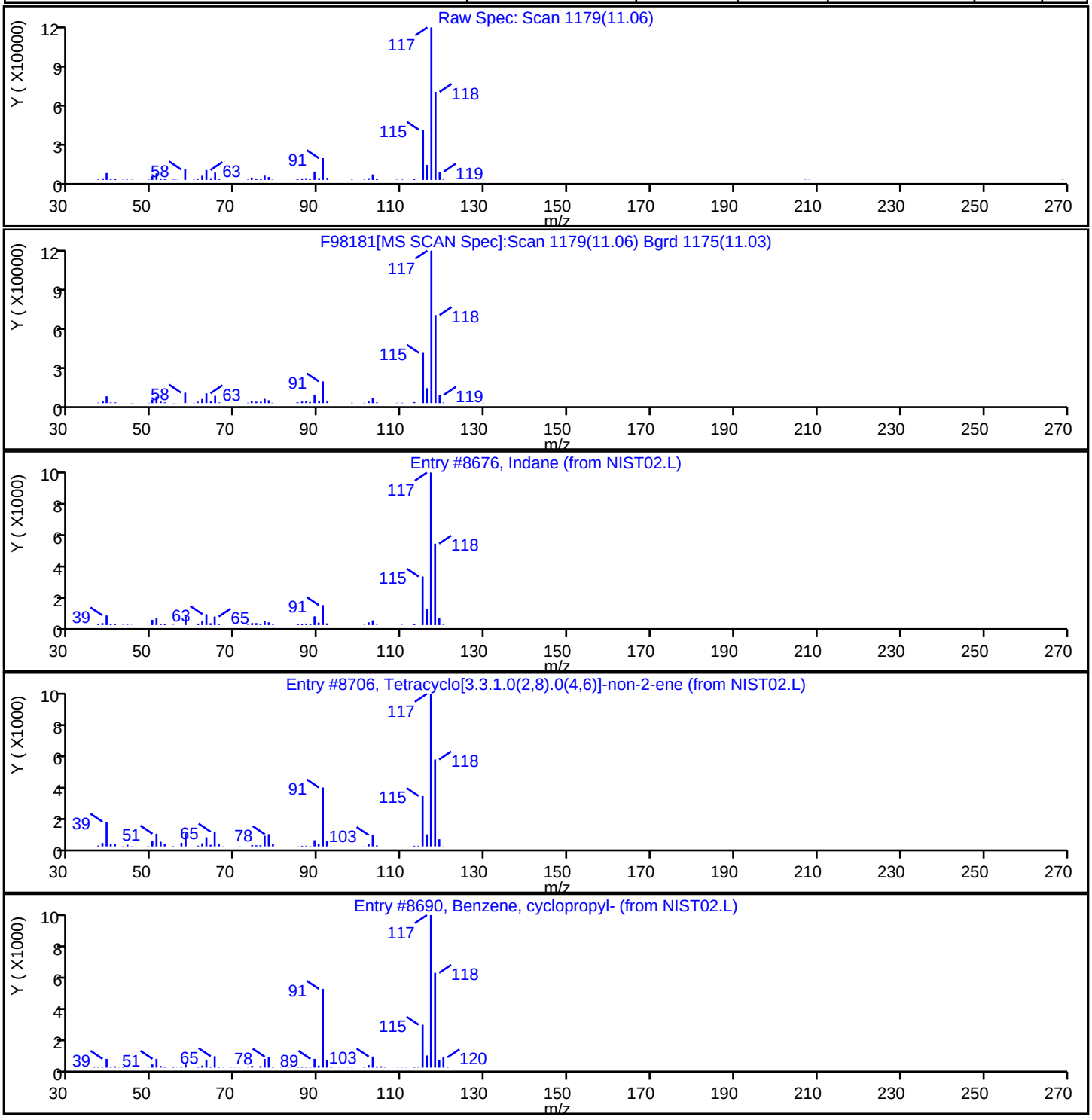
Reviewer: xuyvo, 08-Jul-2020 11:36:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98181.D
Injection Date: 08-Jul-2020 00:34:30 Instrument ID: CVOAMS6
Lims ID: 460-212426-C-3 Lab Sample ID: 460-212426-3
Client ID: Dup
Operator ID: ALS Bottle#: 13 Worklist Smp#: 14
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Indane	496-11-7	NIST02.L	8676	C9H10	118	91
Tetracyclo[3.3.1.0(2,8).0(4,6)]-non-2-ene	1000191-13-7	NIST02.L	8706	C9H10	118	83
Benzene, cyclopropyl-	873-49-4	NIST02.L	8690	C9H10	118	83



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: TB Lab Sample ID: 460-212426-4

Matrix: Water Lab File ID: A90824.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 13:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U *	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: TB Lab Sample ID: 460-212426-4

Matrix: Water Lab File ID: A90824.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 13:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34
179601-23-1	m&p-Xylene	0.30	U	1.0	0.30
79-20-9	Methyl acetate	0.79	U	5.0	0.79
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
1634-04-4	MTBE	0.47	U	1.0	0.47
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	95		75-123
460-00-4	Bromofluorobenzene	106		76-120
1868-53-7	Dibromofluoromethane (Surr)	101		77-124
2037-26-5	Toluene-d8 (Surr)	100		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: TB Lab Sample ID: 460-212426-4

Matrix: Water Lab File ID: A90824.D

Analysis Method: 8260C Date Collected: 06/30/2020 00:00

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 13:30

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90824.D				
Lims ID:	460-212426-B-4				
Client ID:	TB				
Sample Type:	Client				
Inject. Date:	07-Jul-2020 13:30:30	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Sample Info:	460-212426-B-4				
Misc. Info.:	460-0112826-013				
Operator ID:	VOA GC/MS1	Instrument ID:	CVOAMS1		
Method:	\\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\8260624W_1.m				
Limit Group:	VOA - 8260C Water and Solid				
Last Update:	08-Jul-2020 08:00:41	Calib Date:	11-Jun-2020 04:26:30		
Integrator:	RTE	ID Type:	Deconvolution ID		
Quant Method:	Internal Standard	Quant By:	Initial Calibration		
Last ICal File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D				
Column 1 :	Rtx-624 (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1004				
First Level Reviewer: starzecm		Date:	07-Jul-2020 16:30:26		

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.672	3.678	-0.006	33	282997	1000.0	
* 42 2-Butanone-d5	46	4.665	4.665	0.000	87	265862	250.0	
$ 54 Dibromofluoromethane (Surr)	113	5.062	5.061	0.001	98	133751	50.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.342	0.006	37	144076	47.7	
* 66 Fluorobenzene	96	5.561	5.561	0.000	100	568509	50.0	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	22	32320	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	100	505374	49.8	
* 94 Chlorobenzene-d5	117	8.012	8.006	0.006	84	401345	50.0	
$ 105 4-Bromofluorobenzene	174	8.744	8.731	0.013	95	156218	53.2	
* 121 1,4-Dichlorobenzene-d4	152	9.414	9.402	0.012	94	227498	50.0	

Reagents:

8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

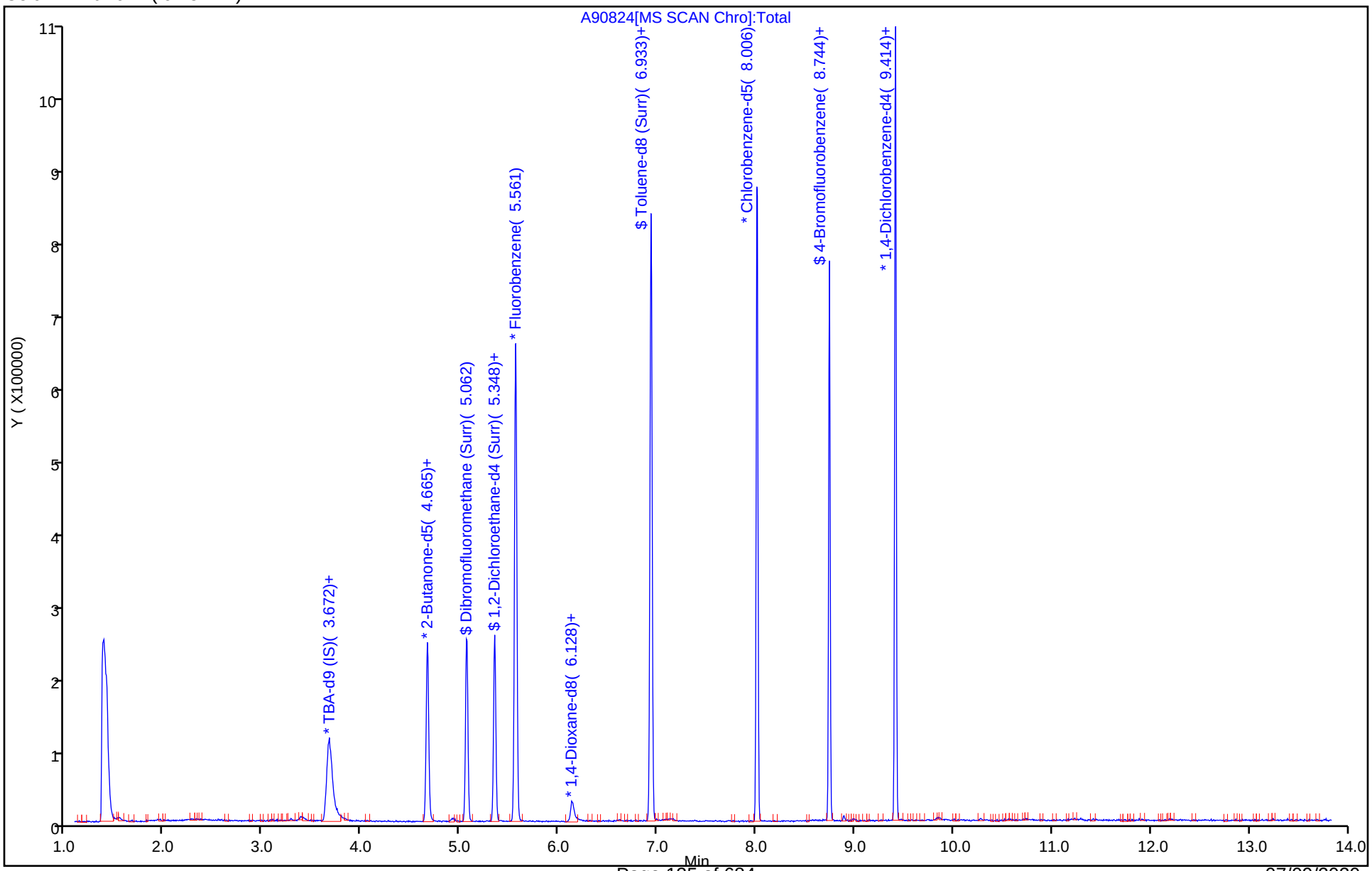
Report Date: 08-Jul-2020 08:00:41 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90824.D

Injection Date:	07-Jul-2020 13:30:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	460-212426-B-4	Lab Sample ID:	460-212426-4	Worklist Smp#:	13
Client ID:	TB				
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	12
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



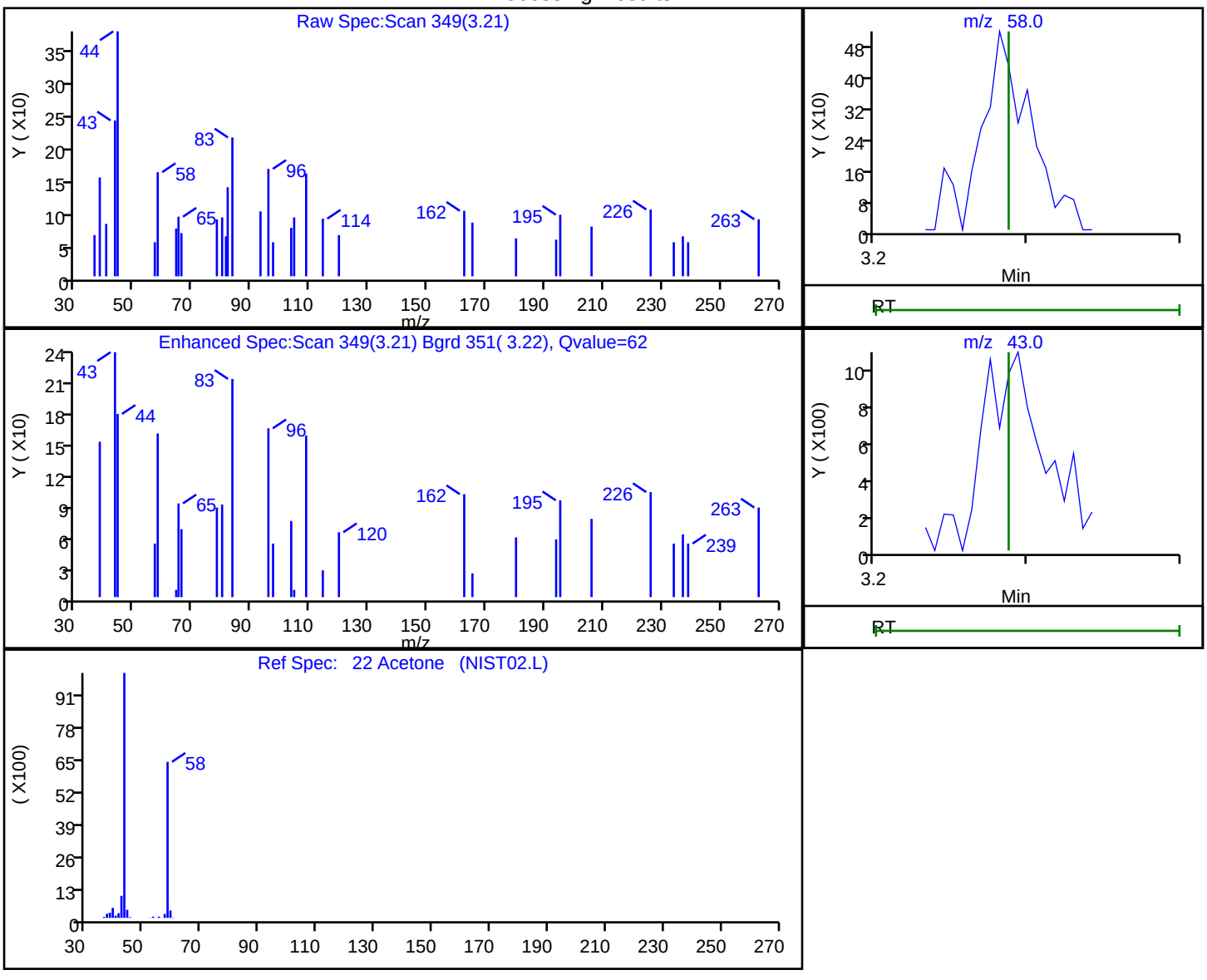
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90824.D				
Injection Date:	07-Jul-2020 13:30:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-B-4	Lab Sample ID:	460-212426-4		
Client ID:	TB				
Operator ID:	VOA GC/MS1	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.21	58.00	104	0.305520
3.21	43.00	117	

Reviewer: asfawa, 08-Jul-2020 08:00:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

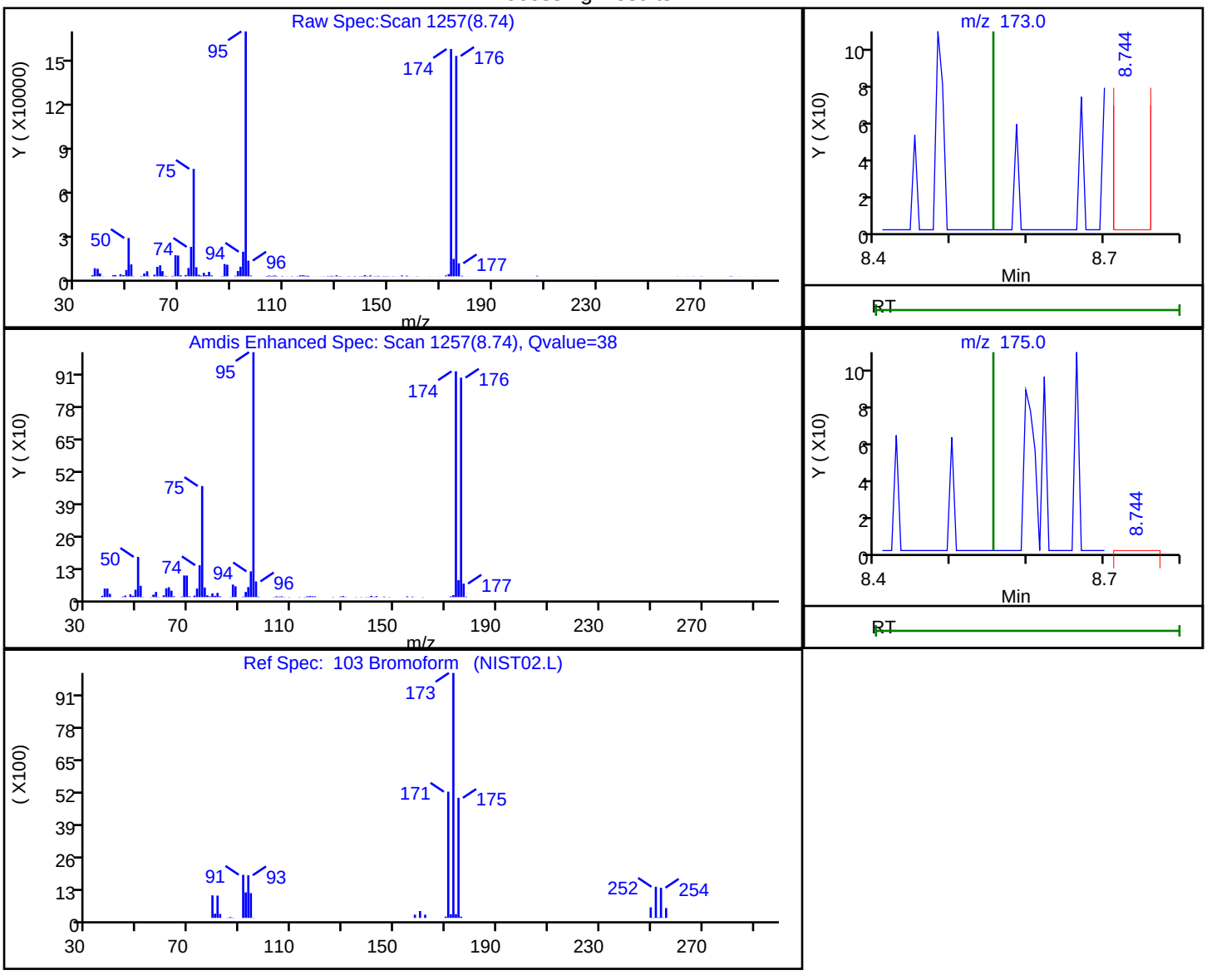
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90824.D				
Injection Date:	07-Jul-2020 13:30:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-B-4	Lab Sample ID:	460-212426-4		
Client ID:	TB				
Operator ID:	VOA GC/MS1	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
8.74	173.00	1511	1.855994
8.74	175.00	11500	

Reviewer: starzecm, 07-Jul-2020 16:30:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

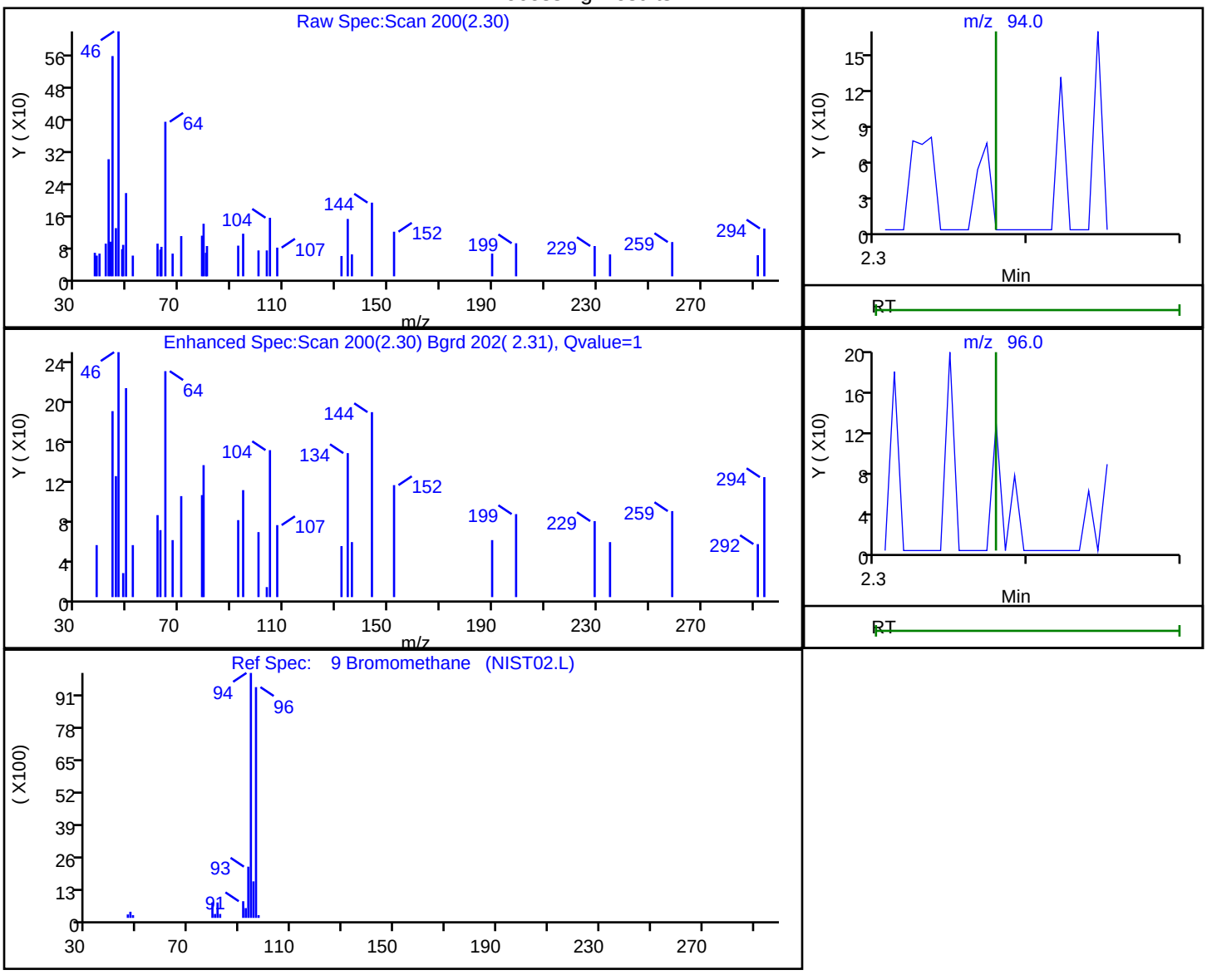
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90824.D				
Injection Date:	07-Jul-2020 13:30:30	Instrument ID:	CVOAMS1		
Lims ID:	460-212426-B-4	Lab Sample ID:	460-212426-4		
Client ID:	TB				
Operator ID:	VOA GC/MS1	ALS Bottle#:	12	Worklist Smp#:	13
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.30	94.00	89	0.022957
2.29	96.00	31	

Reviewer: starzecm, 07-Jul-2020 16:29:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-700493/3	A89503.D
Level 2	STD1 460-700493/4	A89504.D
Level 3	STD5 460-700493/5	A89505.D
Level 4	STD20 460-700493/6	A89506.D
Level 5	STD50 460-700493/7	A89507.D
Level 6	STD200 460-700493/8	A89508.D
Level 7	STD500 460-700493/9	A89509.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Monochloropentafluoroethane	+++++ 0.0221	+++++ 0.0250	0.0384	0.0345	0.0356	Ave		0.0311				22.9	*	20.0			
Chlorotrifluoroethene	+++++ 0.1186	0.1425 0.1175	0.1370	0.1418	0.1333	Ave		0.1318				8.5		20.0			
1,1-Difluoroethane	+++++ 0.2761	0.3714 0.2752	0.3109	0.3236	0.3216	Ave		0.3131				11.4		20.0			
Dichlorodifluoromethane	+++++ 0.4261	0.3915 0.4252	0.4566	0.4458	0.4429	Ave		0.4313			0.1000	5.3		20.0			
Chlorodifluoromethane	+++++ 0.3196	0.4334 0.3695	0.4024	0.3760	0.4134	Ave		0.3857				10.4		20.0			
Chloromethane	+++++ 0.4765	0.5719 0.4708	0.5451	0.4915	0.5282	Ave		0.5140			0.1000	7.9		20.0			
Vinyl chloride	+++++ 0.4678	0.5900 0.4668	0.4995	0.4665	0.4928	Ave		0.4972			0.1000	9.6		20.0			
Butadiene	0.4467 0.4039	0.4389 0.3909	0.3788	0.3929	0.4127	Ave		0.4093				6.2		20.0			
Bromomethane	+++++ 0.3143	0.4246 0.3089	0.3450	0.3200	0.3330	Ave		0.3410			0.1000	12.6		20.0			
Chloroethane	+++++ 0.2625	0.3184 0.2619	0.2957	0.2504	0.2766	Ave		0.2776			0.1000	9.1		20.0			
Dichlorofluoromethane	+++++ 0.5901	0.7389 0.5789	0.5912	0.5619	0.5957	Ave		0.6095				10.6		20.0			
Trichlorofluoromethane	+++++ 0.4598	0.4895 0.4673	0.4382	0.4230	0.4421	Ave		0.4533			0.1000	5.2		20.0			
Pentane	+++++ 2.1824	2.5937 2.4992	2.9135	2.0702	1.9647	Ave		2.3706				15.2		20.0			
Ethyl ether	+++++ 0.2236	0.3099 0.2303	0.2326	0.2269	0.2397	Ave		0.2438				13.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethanol	+++++ 0.0652	0.0979 0.0671	0.0953	0.0701	0.0694	Ave		0.0775				19.2		20.0			
2-Methyl-1,3-butadiene	+++++ 0.2730	0.3365 0.2774	0.2675	0.2619	0.2693	Ave		0.2809				9.9		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2747	0.2665 0.2777	0.2716	0.2970	0.2747	Ave		0.2770				3.8		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.4366	0.5327 0.4463	0.4491	0.4628	0.4764	Ave		0.4673				7.5		20.0			
Acrolein	+++++ 0.4839	0.7399 0.4956	0.8302	0.5949	0.5706	QuaF		0.5323	-0.000099						0.9960		0.9900
Freon TF	+++++ 0.3255	0.3093 0.3232	0.3152	0.2982	0.2944	Ave		0.3110			0.1000	4.1		20.0			
1,1-Dichloroethene	+++++ 0.2990	0.2873 0.3145	0.2797	0.2778	0.3086	Ave		0.2945			0.1000	5.2		20.0			
Acetone	+++++ 0.3490	0.4238 0.3110	0.2991	0.2728	0.2648	Ave		0.3201			0.0500	18.4		20.0			
Iodomethane	+++++ 0.5303	0.6030 0.5285	0.5201	0.5048	0.5362	Ave		0.5371				6.3		20.0			
Isopropyl alcohol	+++++ 0.7153	1.2496 0.8091	0.9190	0.8256	0.8171	QuaF		0.6774	0.0000262						1.0000		0.9900
Carbon disulfide	+++++ 1.1552	1.2405 1.1112	1.1299	1.0881	1.1875	Ave		1.1521			0.1000	4.8		20.0			
Allyl chloride	+++++ 0.1945	0.2643 0.2206	0.1860	0.1843	0.2087	Ave		0.2097				14.4		20.0			
Methyl acetate	+++++ 0.1934	0.2402 0.2012	0.1954	0.1853	0.2062	Ave		0.2036			0.1000	9.5		20.0			
Cyclopentene	+++++ 0.7456	0.8891 0.7552	0.7423	0.7408	0.7962	Ave		0.7782				7.5		20.0			
Acetonitrile	+++++ 1.2152	1.9547 +++++	1.7882	1.4278	1.4590	Ave		1.5690				19.0		20.0			
Methylene Chloride	+++++ 0.3432	0.4240 0.3536	0.3354	0.3393	0.3574	Ave		0.3588			0.1000	9.2		20.0			
2-Methyl-2-propanol	+++++ 0.9457	1.3037 0.9440	0.8085	0.8808	0.8814	Ave		0.9607				18.3		20.0			
MTBE	+++++ 0.6737	0.7919 0.6200	0.6398	0.6609	0.6687	Ave		0.6758			0.1000	8.9		20.0			
trans-1,2-Dichloroethene	+++++ 0.2968	0.3688 0.3033	0.2926	0.2874	0.3001	Ave		0.3082			0.1000	9.8		20.0			
Acrylonitrile	0.1274 0.1089	0.1322 0.0982	0.1057	0.1072	0.1139	Ave		0.1133				10.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexane	+++++ 0.2520	0.2337 0.2441	0.2404	0.2380	0.2251	Ave		0.2389				3.8		20.0			
Isopropyl ether	+++++ 0.8336	1.0699 0.7923	0.8897	0.8787	0.9363	Ave		0.9001				10.7		20.0			
1,1-Dichloroethane	+++++ 0.4745	0.6140 0.4932	0.4946	0.4650	0.5027	Ave		0.5073			0.2000	10.7		20.0			
Vinyl acetate	+++++ 1.7229	1.8157 2.0975	1.4751	1.3013	1.5839	Ave		1.6661				16.7		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2400	0.2742 0.2523	0.2403	0.2343	0.2546	Ave		0.2493				5.8		20.0			
Tert-butyl ethyl ether	+++++ 0.6700	0.8564 0.6254	0.6919	0.6955	0.7369	Ave		0.7127				11.1		20.0			
2,2-Dichloropropane	+++++ 0.0761	0.0826 0.0871	0.0562	0.0568	0.0663	Ave		0.0708				18.5		20.0			
cis-1,2-Dichloroethene	+++++ 0.3038	0.3947 0.3174	0.3044	0.2965	0.3212	Ave		0.3230			0.1000	11.2		20.0			
Ethyl acetate	+++++ 0.2382	0.3323 0.2481	0.2031	0.2073	0.2237	Ave		0.2421				19.6		20.0			
2-Butanone	+++++ 0.3157	0.3281 0.3101	0.3094	0.2906	0.2825	Ave		0.3061			0.0500	5.5		20.0			
Methyl acrylate	+++++ 0.2085	0.2227 0.2119	0.1809	0.1858	0.2071	Ave		0.2028				8.0		20.0			
Propionitrile	+++++ 1.4445	2.0201 1.5289	1.9567	1.6019	1.6328	Ave		1.6975				13.9		20.0			
Bromochloromethane	+++++ 0.1475	0.1859 0.1555	0.1415	0.1384	0.1490	Ave		0.1530				11.3		20.0			
Tetrahydrofuran	+++++ 0.3262	0.3874 0.3311	0.3548	0.3225	0.3345	Ave		0.3428				7.2		20.0			
Methacrylonitrile	+++++ 0.1089	0.1282 0.0974	0.1103	0.1110	0.1159	Ave		0.1120				9.0		20.0			
Chloroform	+++++ 0.4396	0.5249 0.4535	0.4329	0.4309	0.4610	Ave		0.4571			0.2000	7.7		20.0			
Cyclohexane	+++++ 0.5321	0.5446 0.5490	0.4977	0.5166	0.4955	Ave		0.5226			0.1000	4.4		20.0			
1,1,1-Trichloroethane	+++++ 0.3515	0.3518 0.4092	0.2670	0.2953	0.3211	Ave		0.3327			0.1000	15.0		20.0			
Carbon tetrachloride	+++++ 0.2616	0.2140 0.3162	0.1683	0.1737	0.2075	Qua2	0.0310	0.1788	0.0002949		0.1000				0.9950		0.9900
1,1-Dichloropropene	+++++ 0.3470	0.4269 0.3620	0.3392	0.3391	0.3576	Ave		0.3620				9.2		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	+++++ 0.3018	0.2629 0.4245	0.1694	0.1528	0.2053	QuaF		0.2133	0.0000169						1.0000		0.9900
2,2,4-Trimethylpentane	+++++ 0.9803	0.8628 0.8588	0.9832	0.9516	0.9083	Ave		0.9241				6.1		20.0			
Benzene	+++++ 1.4227	1.8871 1.2408	1.5844	1.5415	1.5961	Ave		1.5454			0.5000	13.8		20.0			
Isopropyl acetate	+++++ 0.7097	0.6695 0.7079	0.5179	0.6136	0.7072	Ave		0.6543				11.7		20.0			
Tert-amyl methyl ether	+++++ 0.2171	0.2372 0.2172	0.1986	0.2000	0.2242	Ave		0.2157				6.8		20.0			
1,2-Dichloroethane	+++++ 0.3036	0.3615 0.3164	0.3059	0.2986	0.3266	Ave		0.3188			0.1000	7.3		20.0			
n-Heptane	+++++ 0.3324	0.3695 0.3153	0.3833	0.3115	0.3266	Ave		0.3398				8.7		20.0			
n-Butanol	+++++ 0.1839	0.1072 0.2578	0.1201	0.0958	0.1222	QuaF		0.1302	0.0000102						1.0000		0.9900
Trichloroethene	+++++ 0.2625	0.3403 0.2764	0.2469	0.2464	0.2654	Ave		0.2730			0.2000	12.8		20.0			
Ethyl acrylate	+++++ 0.3181	0.2967 0.3702	0.1997	0.2041	0.2814	QuaF		0.2799	0.0001808						1.0000		0.9900
Methylcyclohexane	+++++ 0.5450	0.5312 0.4862	0.5003	0.4944	0.4802	Ave		0.5062			0.1000	5.1		20.0			
1,2-Dichloropropane	+++++ 0.2629	0.3173 0.2811	0.2724	0.2500	0.2773	Ave		0.2768			0.1000	8.2		20.0			
Methyl methacrylate	+++++ 0.0654	0.0536 0.0699	0.0436	0.0503	0.0607	Ave		0.0572				17.2		20.0			
n-Propyl acetate	+++++ 0.3210	0.2780 0.3477	0.2059	0.2568	0.3111	Ave		0.2867				17.8		20.0			
1,4-Dioxane	+++++ 0.9234	1.3151 1.0152	1.0423	1.0779	1.0549	Ave		1.0715				12.2		20.0			
Dibromomethane	+++++ 0.1559	0.1923 0.1648	0.1538	0.1490	0.1571	Ave		0.1621				9.6		20.0			
Bromodichloromethane	+++++ 0.2872	0.2468 0.3258	0.2124	0.2252	0.2594	Ave		0.2595			0.2000	16.1		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1571	0.1652 0.1692	0.1544	0.1494	0.1602	Ave		0.1592				4.5		20.0			
2-Nitropropane	+++++ 0.0233	0.0376 0.0291	0.0216	0.0209	0.0215	Qua2	0.0362	0.0193	0.0000099						0.9990		0.9900
Epichlorohydrin	0.1608 0.2258	0.2356 0.2180	0.1781	0.1879	0.2080	Ave		0.2020				13.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
cis-1,3-Dichloropropene	+++++ 0.5078	0.4673 0.5396	0.3789	0.3995	0.4788	Ave		0.4620			0.2000	13.4		20.0			
4-Methyl-2-pentanone	+++++ 2.2868	2.3075 1.8062	2.2976	2.2995	2.3694	Ave		2.2278			0.0500	9.4		20.0			
Toluene	+++++ 1.4151	1.9145 1.1818	1.5520	1.5314	1.5652	Ave		1.5267			0.4000	15.6		20.0			
Ethyl methacrylate	+++++ 0.3200	0.1987 0.3455	0.1835	0.2176	0.2760	QuaF		0.2966	0.0000983						1.0000		0.9900
trans-1,3-Dichloropropene	+++++ 0.4332	0.3194 +++++	0.2601	0.3024	0.3659	Ave		0.3362			0.1000	19.7		20.0			
1,1,2-Trichloroethane	+++++ 0.2544	0.2664 0.2633	0.2608	0.2509	0.2695	Ave		0.2609			0.1000	2.7		20.0			
Tetrachloroethene	+++++ 0.3426	0.4190 0.3451	0.3561	0.3354	0.3547	Ave		0.3588			0.2000	8.5		20.0			
1,3-Dichloropropane	+++++ 0.5152	0.5878 0.5136	0.5298	0.5348	0.5444	Ave		0.5376				5.1		20.0			
2-Hexanone	+++++ 1.5294	1.4994 1.2659	1.3924	1.4294	1.4568	Ave		1.4289			0.0500	6.5		20.0			
n-Butyl acetate	+++++ 0.0881	0.0597 0.0986	0.0549	0.0644	0.0830	QuaF		0.0807	0.0000359						1.0000		0.9900
Dibromochloromethane	+++++ 0.2680	0.2283 +++++	0.1744	0.1819	0.2177	Ave		0.2141			0.1000	17.7		20.0			
1,2-Dibromoethane	+++++ 0.3006	0.2679 0.3082	0.2090	0.2482	0.2871	Ave		0.2702			0.1000	13.7		20.0			
Chlorobenzene	+++++ 0.9041	1.1209 0.8183	0.9537	0.9198	0.9558	Ave		0.9454			0.5000	10.5		20.0			
Ethylbenzene	+++++ 0.5301	0.6549 0.5312	0.5200	0.5424	0.5607	Ave		0.5566			0.1000	9.0		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3116	0.2284 0.3535	0.1833	0.2030	0.2451	Qua2	0.0107	0.2109	0.0003168						0.9900		0.9900
m&p-Xylene	+++++ 0.6452	0.7619 0.6206	0.6608	0.6625	0.6799	Ave		0.6718			0.1000	7.2		20.0			
n-Butyl acrylate	+++++ 0.2409	0.1229 0.2765	0.1256	0.1508	0.2036	QuaF		0.2128	0.0001276						1.0000		0.9900
o-Xylene	+++++ 0.6815	0.7359 0.6464	0.6520	0.6722	0.7154	Ave		0.6839			0.3000	5.2		20.0			
Styrene	+++++ 1.0302	1.1624 0.8942	1.0591	1.0566	1.1096	Ave		1.0520			0.3000	8.6		20.0			
Amyl acetate (mixed isomers)	+++++ 1.0849	0.6192 1.0882	0.5520	0.7352	1.0157	QuaF		1.0646	0.0000486						1.0000		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Bromoform	+++++ 0.1572	0.1011 0.1941	0.0972	0.0972	0.1177	Qua2	-0.004	0.1030	0.0001945		0.1000				0.9950		0.9900
Isopropylbenzene	+++++ 1.6122	1.9793 +++++	1.7796	1.7906	1.8477	Ave		1.8019			0.1000	7.4		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.7924	0.8588 0.7892	0.6806	0.7511	0.8146	Ave		0.7811			0.3000	7.8		20.0			
Bromobenzene	+++++ 0.7499	0.8580 0.7456	0.7388	0.7285	0.7572	Ave		0.7630				6.2		20.0			
N-Propylbenzene	+++++ 3.4092	4.2808 +++++	3.7899	3.9483	4.1114	Ave		3.9079				8.5		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.1847	0.2182 0.2072	0.1672	0.1652	0.1774	Ave		0.1866				11.6		20.0			
1,2,3-Trichloropropane	+++++ 0.2277	0.2398 0.2319	0.2198	0.2240	0.2334	Ave		0.2294				3.1		20.0			
4-Ethyltoluene	+++++ 2.8167	3.7415 +++++	3.2160	3.4274	3.3382	Ave		3.3079				10.2		20.0			
2-Chlorotoluene	+++++ 2.8012	3.2597 2.2983	2.7359	2.8745	3.0538	Ave		2.8372				11.5		20.0			
1,3,5-Trimethylbenzene	+++++ 2.6857	2.9418 +++++	2.6630	2.8562	3.0006	Ave		2.8295				5.3		20.0			
Butyl Methacrylate	+++++ 0.9788	0.4489 1.0012	0.4299	0.5991	0.8439	QuaF		0.9377	0.0001288						1.0000		0.9900
4-Chlorotoluene	+++++ 2.0923	2.5265 1.6863	2.2026	2.2731	2.3209	Ave		2.1836				13.0		20.0			
tert-Butylbenzene	+++++ 2.3009	2.2912 1.8254	2.0435	2.1440	2.4017	Ave		2.1678				9.7		20.0			
1,2,4-Trimethylbenzene	+++++ 2.6981	3.1175 +++++	2.7559	2.8619	3.0345	Ave		2.8936				6.2		20.0			
sec-Butylbenzene	+++++ 3.3966	3.8698 +++++	3.3662	3.6083	3.8939	Ave		3.6270				6.9		20.0			
4-Isopropyltoluene	+++++ 2.9375	3.3424 +++++	2.8622	3.0651	3.2503	Ave		3.0915				6.6		20.0			
1,3-Dichlorobenzene	+++++ 1.4501	1.8479 1.3065	1.4663	1.4969	1.5266	Ave		1.5157			0.6000	11.9		20.0			
1,4-Dichlorobenzene	+++++ 1.5038	1.7859 1.3462	1.5385	1.5077	1.5491	Ave		1.5385			0.5000	9.2		20.0			
1,2,3-Trimethylbenzene	+++++ 2.9116	3.4299 +++++	2.9176	3.0568	3.2361	Ave		3.1104				7.1		20.0			
Benzyl chloride	+++++ 0.9151	0.5614 1.0846	0.5298	0.5427	0.6649	Qua2	-0.033	0.5815	0.0010980						0.9920		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Indan	+++++ 2.9265	3.7664 +++++	3.1241	3.2589	3.3407	Ave		3.2833				9.5		20.0			
p-Diethylbenzene	+++++ 1.8109	2.1025 1.5427	1.7782	1.8459	1.9460	Ave		1.8377				10.1		20.0			
n-Butylbenzene	+++++ 1.7352	1.8813 1.5006	1.7060	1.7836	1.8116	Ave		1.7364				7.5		20.0			
1,2-Dichlorobenzene	+++++ 1.5218	1.9057 1.3550	1.5611	1.5534	1.5880	Ave		1.5808			0.4000	11.4		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 2.8650	3.1021 2.1496	2.7711	2.9265	3.1259	Ave		2.8234				12.7		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.1068	0.0927 0.1229	0.0544	0.0590	0.0804	QuaF		0.0927	0.0000607		0.0500				1.0000		0.9900
1,3,5-Trichlorobenzene	+++++ 1.2455	1.3221 1.1202	1.2506	1.2646	1.2770	Ave		1.2467				5.4		20.0			
1,2,4-Trichlorobenzene	+++++ 0.9820	1.0590 0.9085	0.9368	0.9364	0.9961	Ave		0.9698			0.2000	5.6		20.0			
Hexachlorobutadiene	+++++ 0.5179	0.4574 0.4788	0.4057	0.4427	0.4723	Ave		0.4625				8.1		20.0			
Naphthalene	+++++ 1.8272	1.6683 1.6833	1.6720	1.7811	1.9730	Ave		1.7675				6.8		20.0			
1,2,3-Trichlorobenzene	+++++ 0.6523	0.5891 0.6239	0.6089	0.6155	0.6842	Ave		0.6290				5.4		20.0			
Dibromofluoromethane (Surr)	0.2309 0.2365	0.2290 0.2400	0.2290	0.2321	0.2319	Ave		0.2328				1.7		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2526 0.2743	0.2597 0.2953	0.2589	0.2578	0.2625	Ave		0.2659				5.5		20.0			
Toluene-d8 (Surr)	1.2569 1.2446	1.2729 1.1943	1.2847	1.2944	1.2943	Ave		1.2631				2.8		20.0			
Bromofluorobenzene	0.3716 0.3575	0.3698 0.3605	0.3650	0.3714	0.3639	Ave		0.3657				1.5		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-700493/3	A89503.D
Level 2	STD1 460-700493/4	A89504.D
Level 3	STD5 460-700493/5	A89505.D
Level 4	STD20 460-700493/6	A89506.D
Level 5	STD50 460-700493/7	A89507.D
Level 6	STD200 460-700493/8	A89508.D
Level 7	STD500 460-700493/9	A89509.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Monochloropentafluoroethane	FB	Ave	+++++ 55922	+++++ 162812	2229	7875	20853	+++++ 200	+++++ 500	5.00	20.0	50.0
Chlorotrifluoroethene	FB	Ave	+++++ 299542	1731 765958	7946	32395	78098	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Difluoroethane	FB	Ave	+++++ 697497	4513 1794936	18025	73944	188394	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 1076270	4757 2772765	26476	101869	259424	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	+++++ 807313	5266 2409816	23330	85916	242137	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 1203724	6949 3070036	31607	112317	309367	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 1181673	7169 3043923	28964	106595	288669	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	1342 1020339	5333 2549161	21966	89775	241735	0.250 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 793970	5159 2014404	20001	73128	195060	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 663137	3868 1707874	17146	57230	162014	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 1490704	8977 3775326	34279	128410	348933	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 1161441	5947 3047119	25407	96672	258977	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Ave	+++++ 289844	1467 833346	6822	23649	57982	+++++ 400	2.00 1000	10.0	40.0	100
Ethyl ether	FB	Ave	+++++ 564775	3765 1501993	13489	51855	140383	+++++ 200	1.00 500	5.00	20.0	50.0
Ethanol	TBAd 9	Ave	+++++ 173225	1107 447563	4465	16025	40946	+++++ 8000	40.0 20000	200	800	2000

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-1,3-butadiene	FB	Ave	+++++ 689609	4088 1808945	15512	59858	157746	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 693871	3238 1811171	15746	67872	160903	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 1102839	6472 2910170	26041	105752	279046	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	QuaF	+++++ 32132	837 66103	3888	6796	16839	+++++ 200	4.00 400	20.0	40.0	100
Freon TF	FB	Ave	+++++ 822302	3758 2107586	18276	68152	172437	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 755373	3491 2050755	16220	63491	180778	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	Ave	+++++ 473403	2691 1171920	8877	32429	83859	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 1339624	7326 3446253	30159	115351	314054	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	QuaF	+++++ 474996	3534 1348963	10759	47157	120573	+++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 2918227	15072 7246644	65515	248658	695544	+++++ 200	1.00 500	5.00	20.0	50.0
Allyl chloride	FB	Ave	+++++ 491394	3211 1438539	10786	42122	122262	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 977126	5836 2623517	22658	84688	241535	+++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	+++++ 1883396	10803 4925143	43042	169287	466363	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd9	Ave	+++++ 806965	5528 +++++	20935	81552	215289	+++++ 2000	10.0 +++++	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 866934	5151 2305860	19449	77534	209341	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 627998	3687 1573953	9465	50307	130054	+++++ 2000	10.0 5000	50.0	200	500
MTBE	FB	Ave	+++++ 1701844	9621 4042902	37095	151031	391678	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 749860	4481 1977884	16966	65667	175765	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	3062 2750708	16059 6401636	61270	245061	667046	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 636488	2840 1592067	13940	54393	131831	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 2105823	12999 5166522	51588	200798	548434	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethane	FB	Ave	+++++ 1198660	7460 3216613	28679	106261	294433	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	TBAd9	Ave	+++++ 228817	1027 699418	3454	14865	46744	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 606228	3331 1645323	13935	53533	149115	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 1692374	10405 4078494	40120	158932	431637	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 192162	1003 567998	3261	12973	38820	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 767422	4796 2069917	17651	67765	188121	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	Ave	+++++ 129217	844 374029	2411	9856	28328	+++++ 400	2.00 1000	10.0	40.0	100
2-Butanone	BUT	Ave	+++++ 428265	2083 1168491	9181	34544	89452	+++++ 1000	5.00 2500	25.0	100	250
Methyl acrylate	FB	Ave	+++++ 526596	2706 1382083	10488	42447	121314	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd9	Ave	+++++ 959210	5713 2549069	22908	91495	240929	+++++ 2000	10.0 5000	50.0	200	500
Bromochloromethane	FB	Ave	+++++ 372616	2259 1013992	8207	31624	87270	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++ 177007	984 499054	4212	15334	42365	+++++ 400	2.00 1000	10.0	40.0	100
Methacrylonitrile	FB	Ave	+++++ 2749966	15580 6351537	63971	253625	678974	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 1110513	6377 2957260	25102	98467	270035	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 1344046	6617 3579997	28855	118056	290257	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 888002	4274 2668429	15484	67488	188107	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Qua2	+++++ 660752	2600 2062151	9757	39699	121537	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 876611	5187 2360451	19668	77485	209431	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd9	QuaF	+++++ 500967	1859 1769342	4959	21823	75750	+++++ 5000	25.0 12500	125	500	1250
2,2,4-Trimethylpentane	FB	Ave	+++++ 2476233	10483 5600204	57006	217447	532013	+++++ 200	1.00 500	5.00	20.0	50.0
Benzene	CBNZd5	Ave	+++++ 2611108	15433 6075560	61640	237313	645777	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Isopropyl acetate	FB	Ave	+++++ 1792700	8134 4616587	30028	140216	414230	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-amyl methyl ether	FB	Ave	+++++ 548308	2882 1416117	11518	45714	131319	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 767043	4392 2063558	17737	68239	191287	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 839770	4490 2056429	22227	71189	191287	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	QuaF	+++++ 305222	758 1074579	3516	13684	45096	+++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	+++++ 663011	4135 1802220	14314	56308	155459	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	QuaF	+++++ 803544	3605 2414002	11580	46639	164841	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 1376787	6454 3170940	29007	112975	281295	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 664134	3855 1833063	15797	57118	162444	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 330346	1303 911451	5052	22966	71123	+++++ 400	2.00 1000	10.0	40.0	100
n-Propyl acetate	FB	Ave	+++++ 810937	3378 2267430	11936	58672	182194	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dioxane	DXE	Ave	+++++ 172117	2353 446594	3742	15129	39378	+++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	+++++ 393867	2336 1074602	8917	34052	92017	+++++ 200	1.00 500	5.00	20.0	50.0
Bromodichloromethane	FB	Ave	+++++ 725592	2998 2124949	12315	51469	151963	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chloroethyl vinyl ether	FB	Ave	+++++ 397815	2012 1106323	8972	34216	94038	+++++ 200	1.00 501	5.01	20.0	50.1
2-Nitropropane	FB	Qua2	+++++ 117563	914 380069	2501	9574	25228	+++++ 400	2.00 1000	10.0	40.0	100
Epichlorohydrin	BUT	Ave	996 1225319	5984 3286011	21143	89369	263396	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZd5	Ave	+++++ 931955	3822 2642326	14742	61502	193706	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone	BUT	Ave	+++++ 3101841	14651 6806556	68186	273378	750208	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZd5	Ave	+++++ 2597159	15657 5786960	60380	235757	633262	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	FB	QuaF	+++++ 808462	2414 2253280	10640	49722	161658	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 795118	2612 +++++	10117	46556	148022	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 466886	2179 1289184	10147	38631	109058	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 628809	3427 1689737	13853	51642	143523	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 945585	4807 2514718	20612	82332	220257	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 2074428	9520 4770666	41324	169935	461279	+++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ d5	QuaF	+++++ 161786	488 483001	2134	9919	33582	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromochloromethane	CBNZ d5	Ave	+++++ 491805	1867 +++++	6786	28010	88081	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 551762	2191 1509323	8131	38208	116167	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1659422	9167 4007043	37101	141597	386711	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 972981	5356 2601234	20231	83501	226860	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Qua2	+++++ 571916	1868 1731139	7132	31258	99186	+++++ 200	1.00 500	5.00	20.0	50.0
m&p-Xylene	CBNZ d5	Ave	+++++ 1184164	6231 3038758	25709	101986	275095	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	QuaF	+++++ 442158	1005 1353764	4885	23222	82388	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1250861	6018 3165341	25366	103490	289451	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1890733	9506 4378612	41201	162657	448936	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	QuaF	+++++ 1056083	2858 2966221	12096	61689	218908	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Qua2	+++++ 288449	827 950302	3780	14960	47608	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 2958988	16187 +++++	69231	275658	747559	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 771295	3964 2151216	14914	63017	175565	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 730007	3960 2032267	16189	61126	163192	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 3318597	19758 +++++	83042	331276	886100	+++++ 200	1.00 +++++	5.00	20.0	50.0

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 179838	1007 564743	3663	13858	38240	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 221634	1107 631973	4817	18792	50301	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 2741857	17269 +++++	70467	287570	719459	+++++ 200	1.00 +++++	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 2726717	15045 6264479	59947	241182	658178	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 2614294	13578 +++++	58351	239649	646711	+++++ 200	1.00 +++++	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	QuaF	+++++ 952818	2072 2729010	9419	50268	181872	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 2036733	11661 4596269	48263	190719	500217	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 2239777	10575 4975439	44777	179888	517632	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 2626336	14389 +++++	60385	240129	654006	+++++ 200	1.00 +++++	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 3306348	17861 +++++	73758	302755	839231	+++++ 200	1.00 +++++	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 2859429	15427 +++++	62715	257179	700518	+++++ 200	1.00 +++++	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1411572	8529 3561058	32129	125599	329028	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1463793	8243 3669191	33710	126500	333873	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 2834172	15831 +++++	63929	256475	697459	+++++ 200	1.00 +++++	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Qua2	+++++ 890760	2591 2956418	11608	45539	143297	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 2848748	17384 +++++	68453	273440	720005	+++++ 200	1.00 +++++	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 1762757	9704 4204905	38963	154879	419410	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1689076	8683 4090181	37380	149651	390448	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1481360	8796 3693318	34205	130333	342257	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 2788875	14318 5859055	60719	245547	673719	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	QuaF	+++++ 104005	428 334995	1193	4953	17333	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 700493

SDG No.:

Instrument ID: CVOAMS1 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/11/2020 02:04 Calibration End Date: 06/11/2020 04:26 Calibration ID: 80662

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 1212365	6102 3053381	27403	106105	275215	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 955853	4888 2476261	20527	78567	214691	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 504087	2111 1304941	8890	37147	101799	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 1778639	7700 4588245	36636	149442	425236	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 634930	2719 1700630	13341	51645	147465	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	138717 149351	139127 156513	132792	132592	135848	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	151806 173249	157779 192543	150110	147290	153784	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	521137 571078	520497 584804	499791	498167	523661	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Bromofluorobenzene	CBNZ d5	Ave	154084 164018	151212 176542	141984	142924	147248	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 11-Jun-2020 02:04:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0111447-003
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Jun-2020 18:45:52 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: boykink Date: 11-Jun-2020 02:39:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
7 Butadiene	39	2.026	2.026	0.000	19	1342	0.2500	0.2729	Ma
* 31 TBA-d9 (IS)	65	3.659	3.659	0.000	35	279242	1000.0	1000.0	
35 Acrylonitrile	53	3.915	3.915	0.000	98	3062	2.00	2.25	
* 42 2-Butanone-d5	46	4.653	4.653	0.000	86	309742	250.0	250.0	
$ 54 Dibromofluoromethane (Surr)	113	5.055	5.055	0.000	97	138717	50.0	49.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	36	151806	50.0	47.5	a
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	600879	50.0	50.0	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	22	36461	1000.0	1000.0	
80 Epichlorohydrin	57	6.701	6.701	0.000	62	996	5.00	3.98	
$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	99	521137	50.0	49.8	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	85	414617	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	92	154084	50.0	50.8	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	95	232548	50.0	50.0	

QC Flag Legend

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

GASES Li_00371	Amount Added:	2.50	Units: uL	
8260MIX1COMB_00119	Amount Added:	0.00	Units: uL	
524freon_00023	Amount Added:	0.00	Units: uL	
ACROLEIN W_00107	Amount Added:	0.00	Units: uL	
14DIOXINTER_00116	Amount Added:	0.00	Units: uL	
ACRY/EPIH MIX_00074	Amount Added:	20.00	Units: uL	
Ethanol mix_00041	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00099	Amount Added:	0.00	Units: uL	
MIX I Hi_00126	Amount Added:	0.00	Units: uL	
8FreonHi_00019	Amount Added:	0.00	Units: uL	
GAS Hi_00363	Amount Added:	0.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added:	1.00	Units: uL	Run Reagent

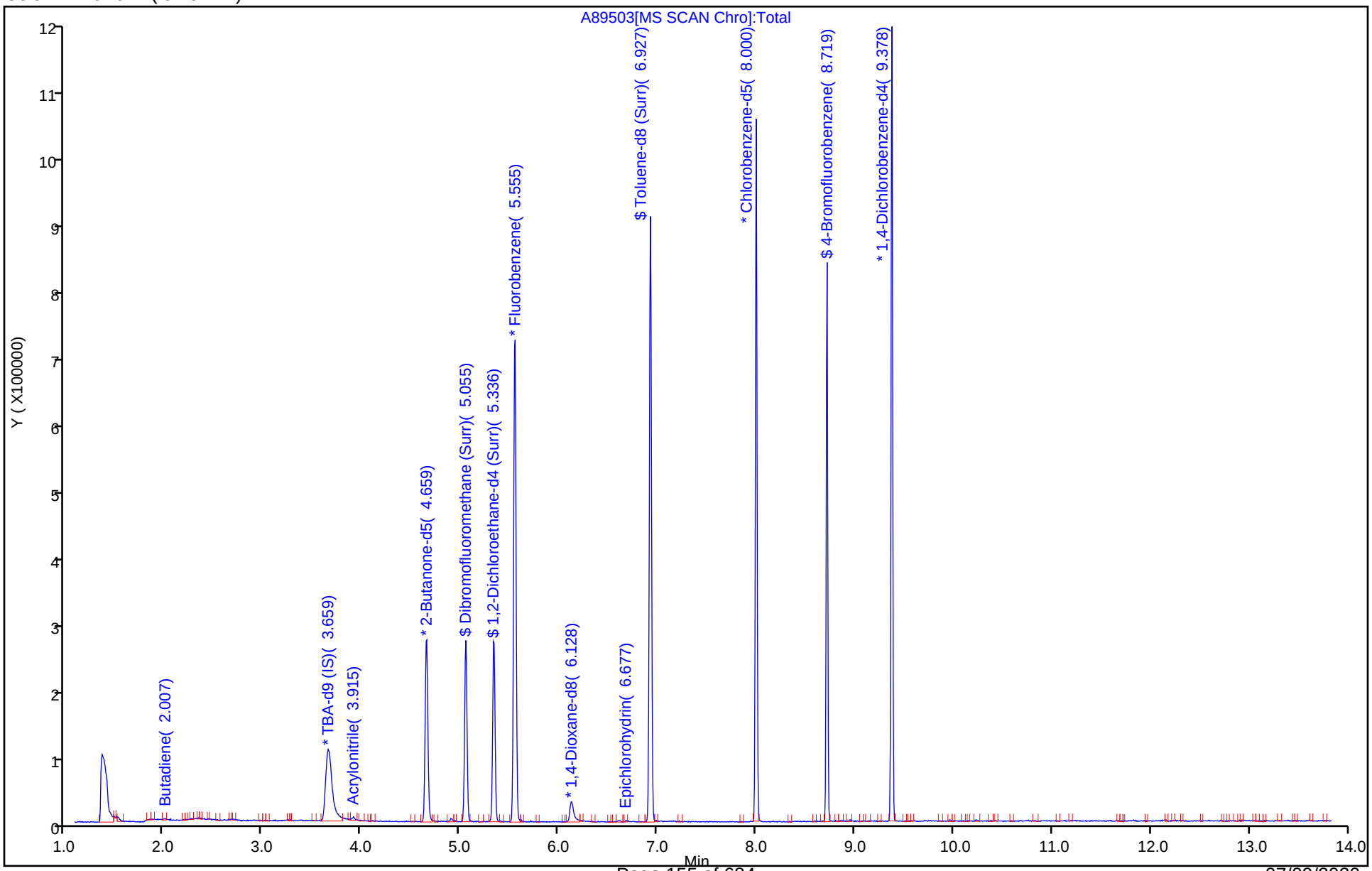
Report Date: 12-Jun-2020 18:45:54 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D

Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD7			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

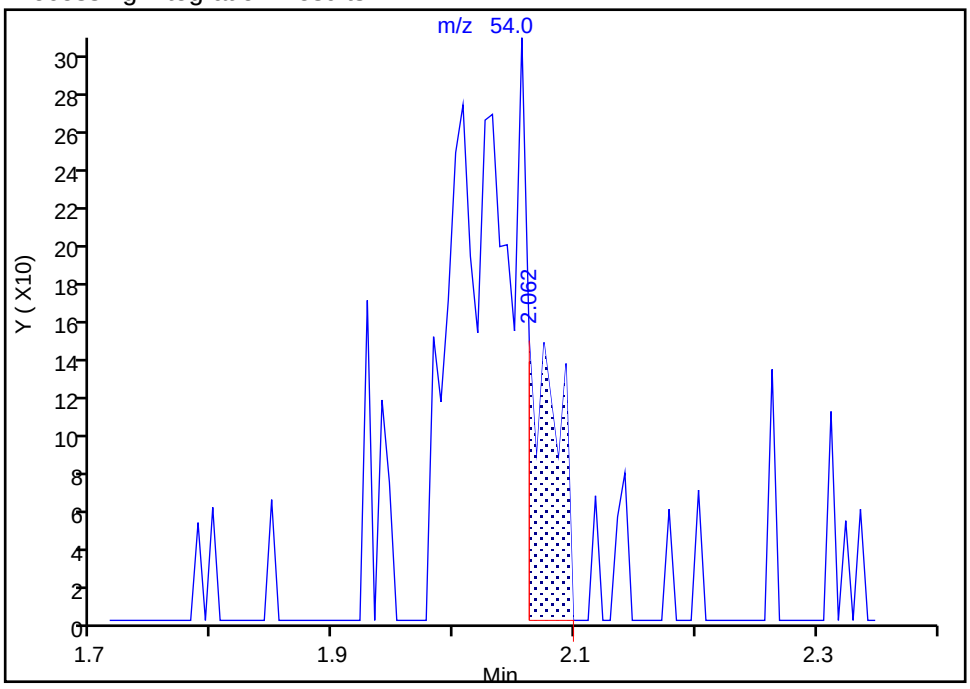
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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 2

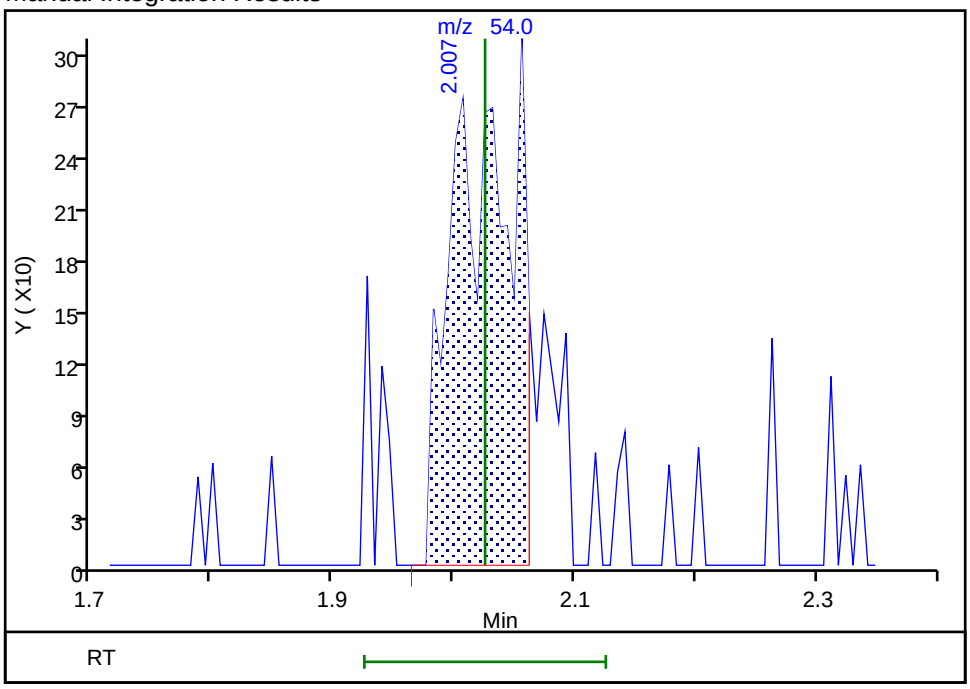
Processing Integration Results

RT: 2.06
Area: 258
Amount: 0.091803
Amount Units: ug/l



Manual Integration Results

RT: 2.01
Area: 1024
Amount: 0.272856
Amount Units: ug/l



Reviewer: moroneyc, 11-Jun-2020 08:49:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

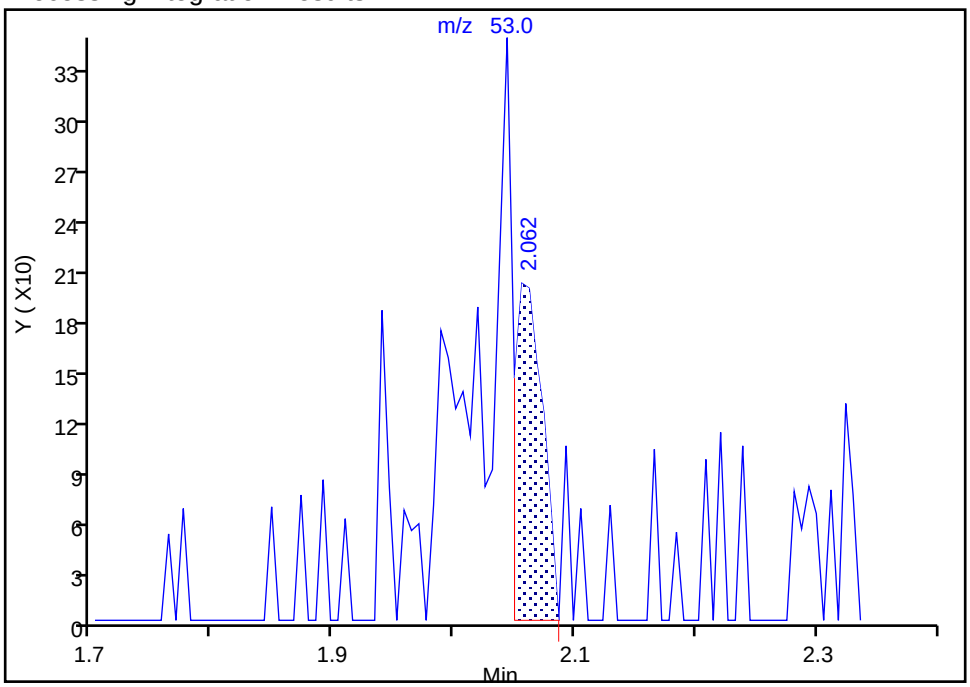
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 3

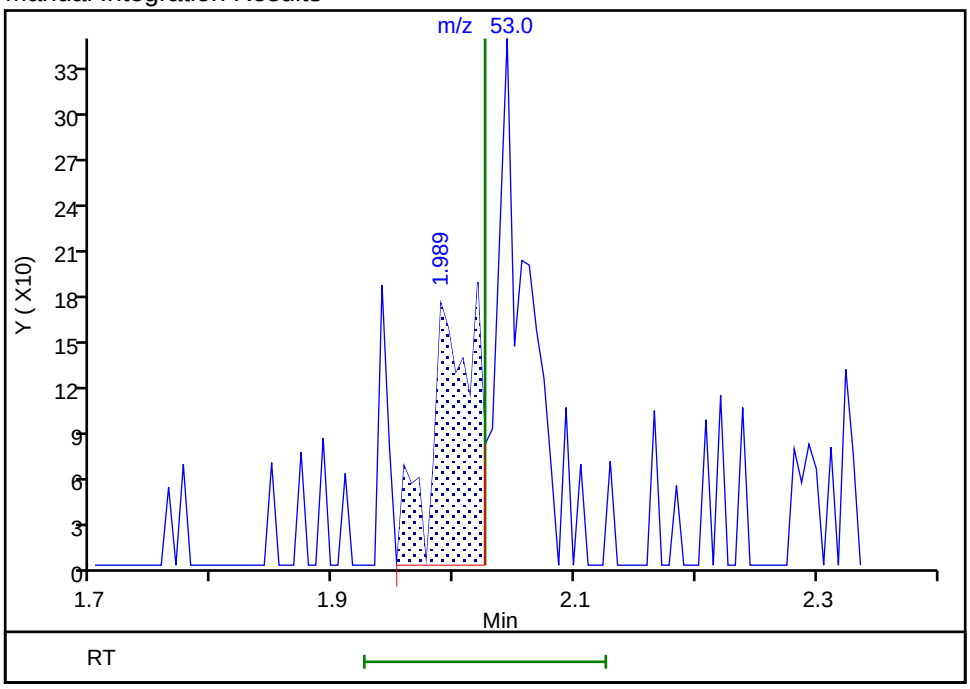
Processing Integration Results

RT: 2.06
Area: 320
Amount: 0.091803
Amount Units: ug/l



Manual Integration Results

RT: 1.99
Area: 440
Amount: 0.272856
Amount Units: ug/l



Reviewer: moroneyc, 11-Jun-2020 08:49:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

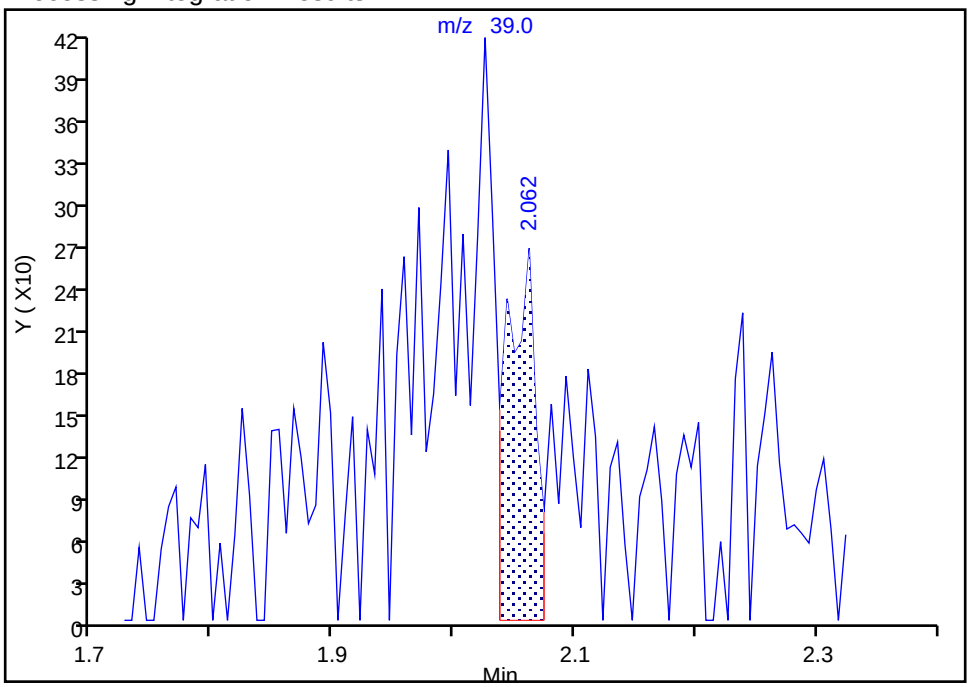
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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 1

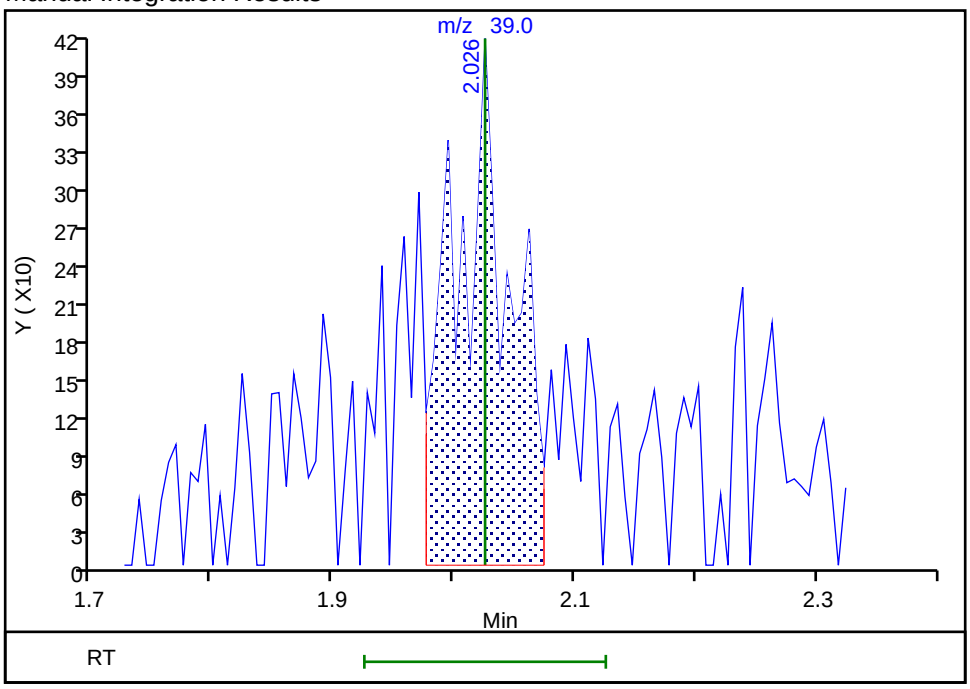
Processing Integration Results

RT: 2.06
Area: 455
Amount: 0.091803
Amount Units: ug/l



Manual Integration Results

RT: 2.03
Area: 1342
Amount: 0.272856
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:18:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

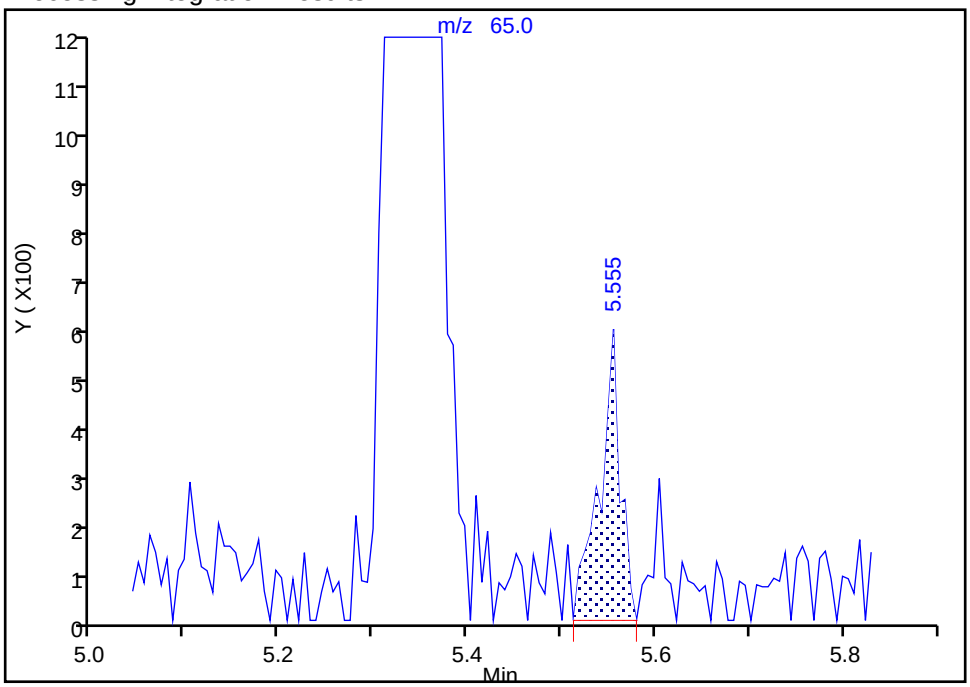
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

$ 61 1,2-Dichloroethane-d4 (Surr), CAS: 17060-07-0

Signal: 1

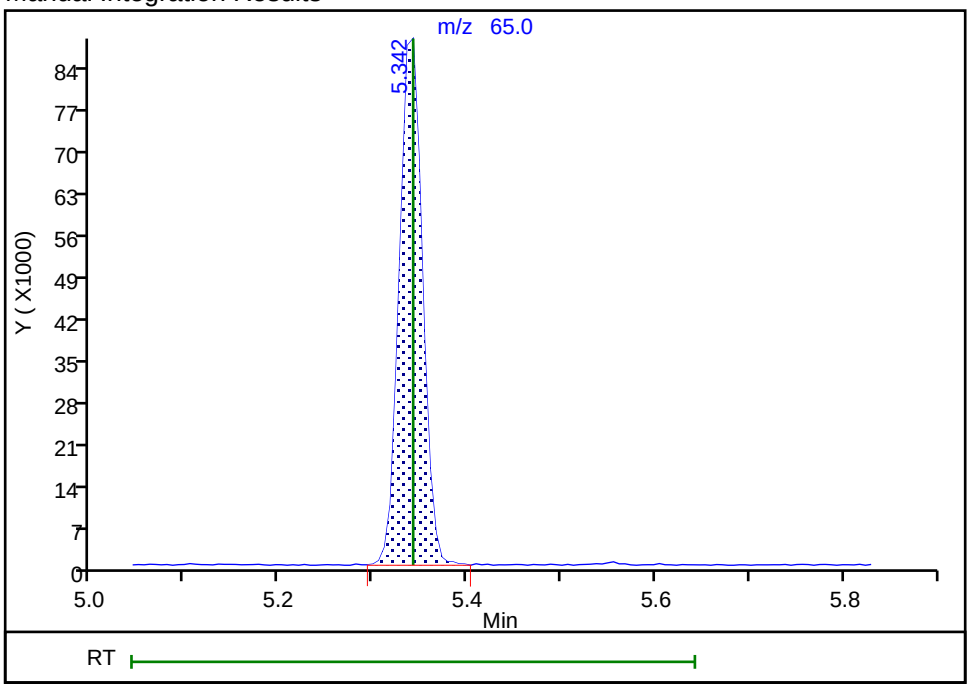
Processing Integration Results

RT: 5.56
Area: 883
Amount: 0.423834
Amount Units: ug/l



Manual Integration Results

RT: 5.34
Area: 151806
Amount: 47.508926
Amount Units: ug/l



Reviewer: boykink, 11-Jun-2020 03:21:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

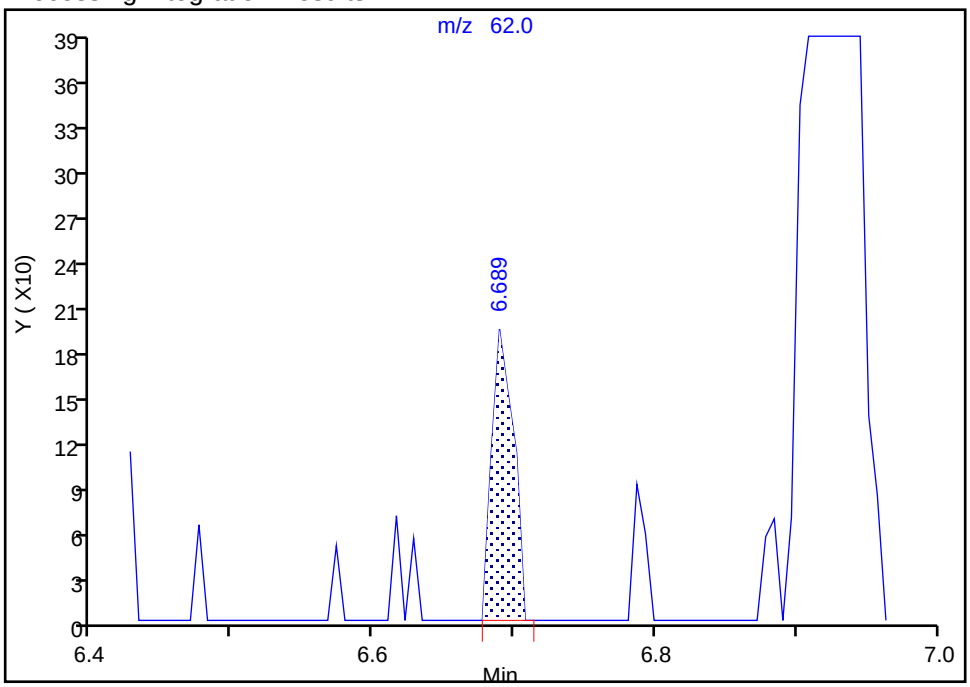
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 2

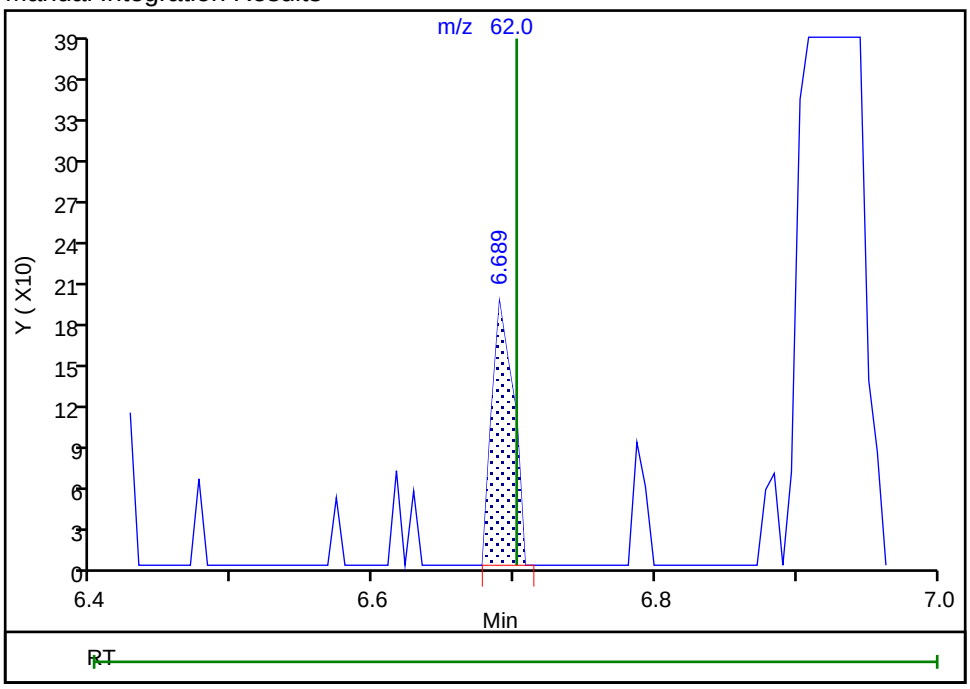
Processing Integration Results

RT: 6.69
Area: 208
Amount: 3.342231
Amount Units: ug/l



Manual Integration Results

RT: 6.69
Area: 208
Amount: 3.979019
Amount Units: ug/l



Reviewer: boykink, 11-Jun-2020 03:22:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

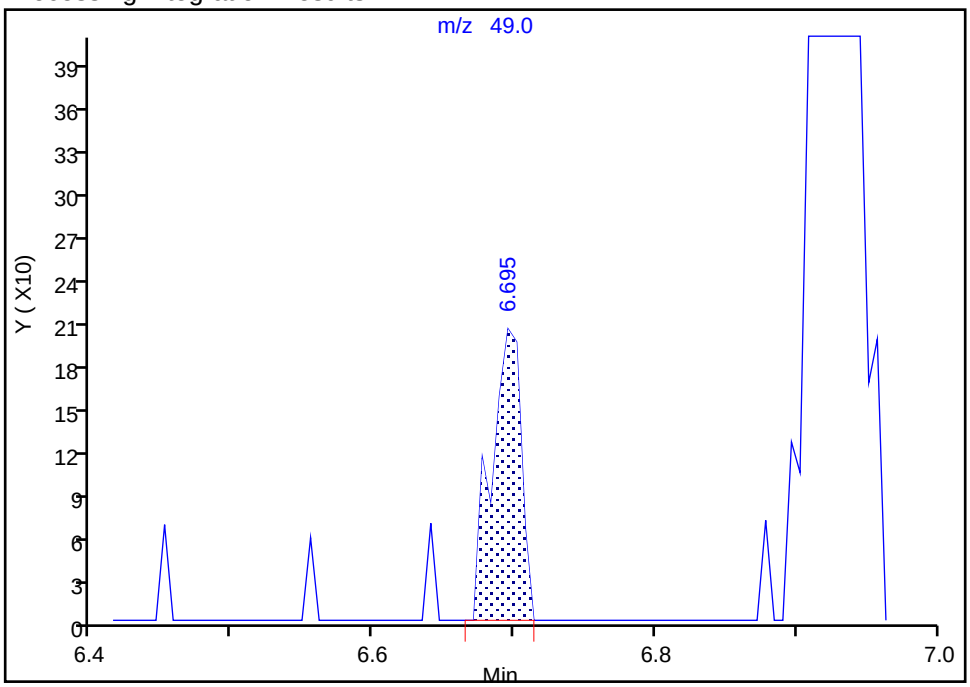
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

80 Epichlorohydrin, CAS: 106-89-8

Signal: 3

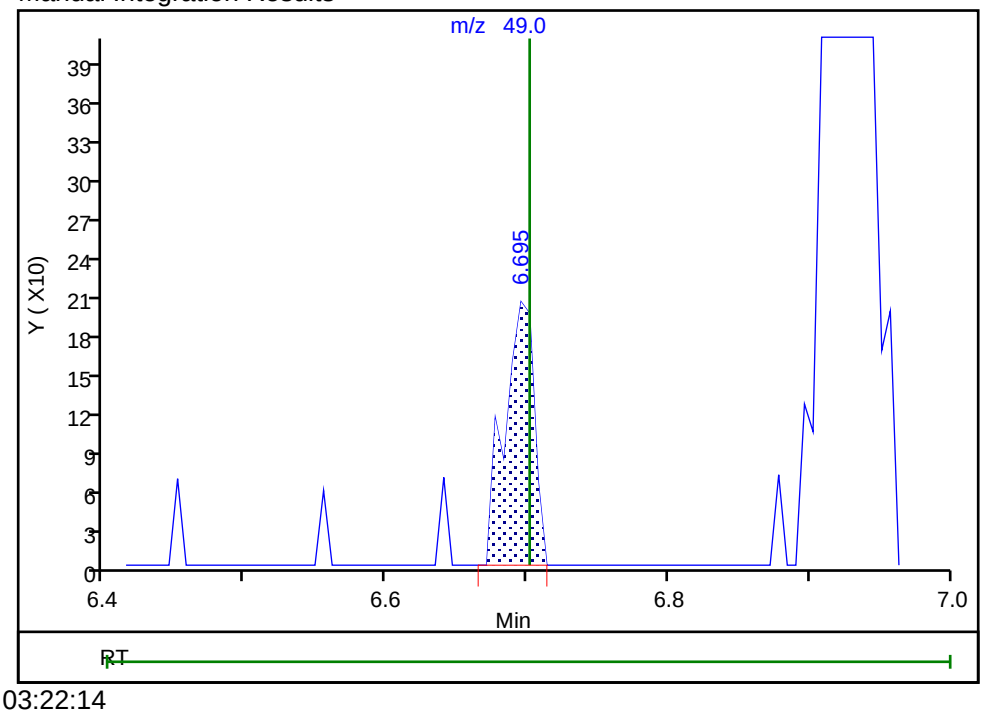
Processing Integration Results

RT: 6.70
Area: 294
Amount: 3.342231
Amount Units: ug/l



Manual Integration Results

RT: 6.70
Area: 294
Amount: 3.979019
Amount Units: ug/l



Reviewer: boykink, 11-Jun-2020 03:22:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

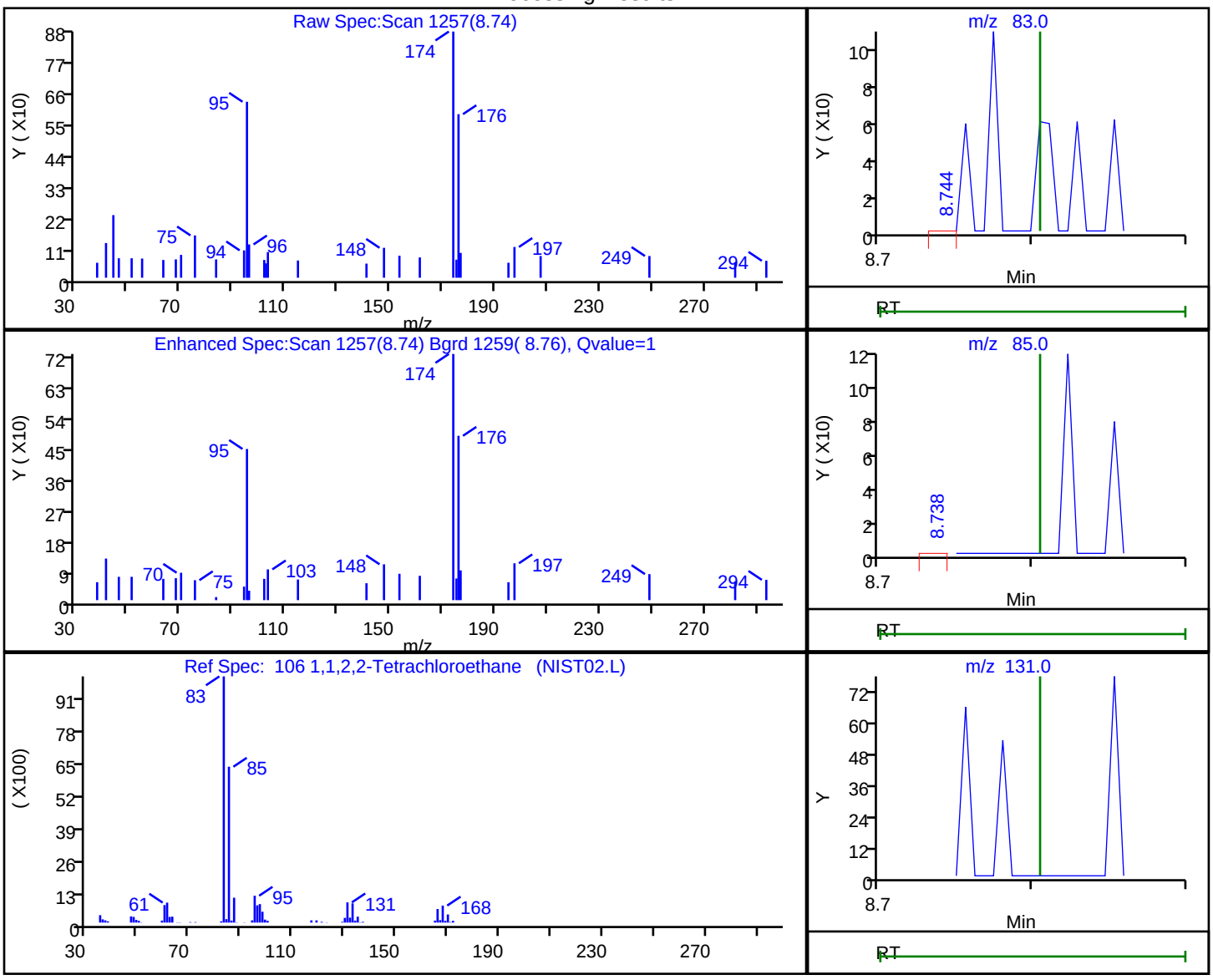
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D				
Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

106 1,1,2,2-Tetrachloroethane, CAS: 79-34-5

Processing Results



RT	Mass	Response	Amount
8.74	83.00	24	0.006704
8.74	85.00	46	
8.81	131.00	0	

Reviewer: boykink, 11-Jun-2020 03:22:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

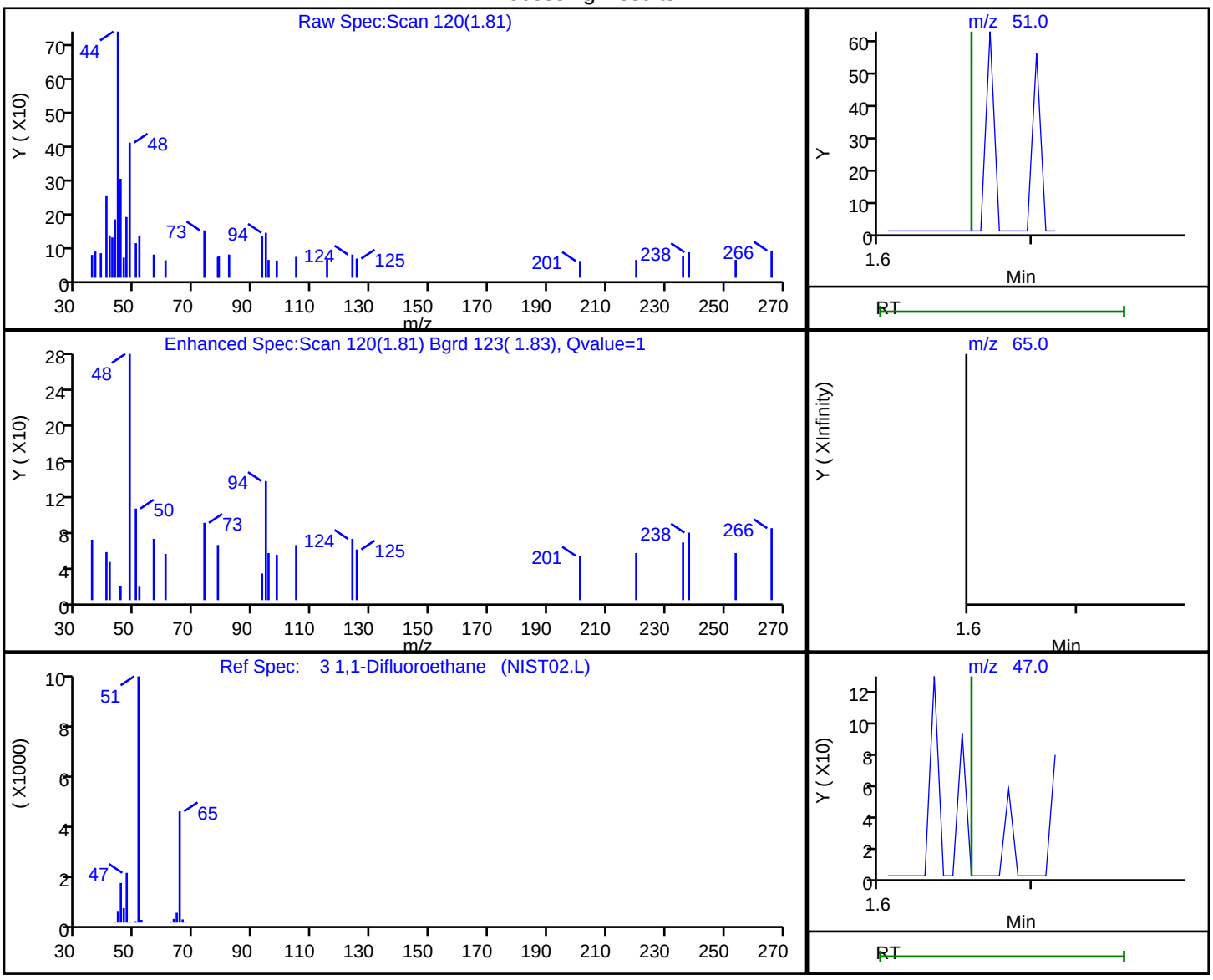
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Processing Results



RT	Mass	Response	Amount
1.81	51.00	80	0.041119
1.81	65.00	81	
1.82	47.00	216	

Reviewer: boykink, 11-Jun-2020 03:21:42
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

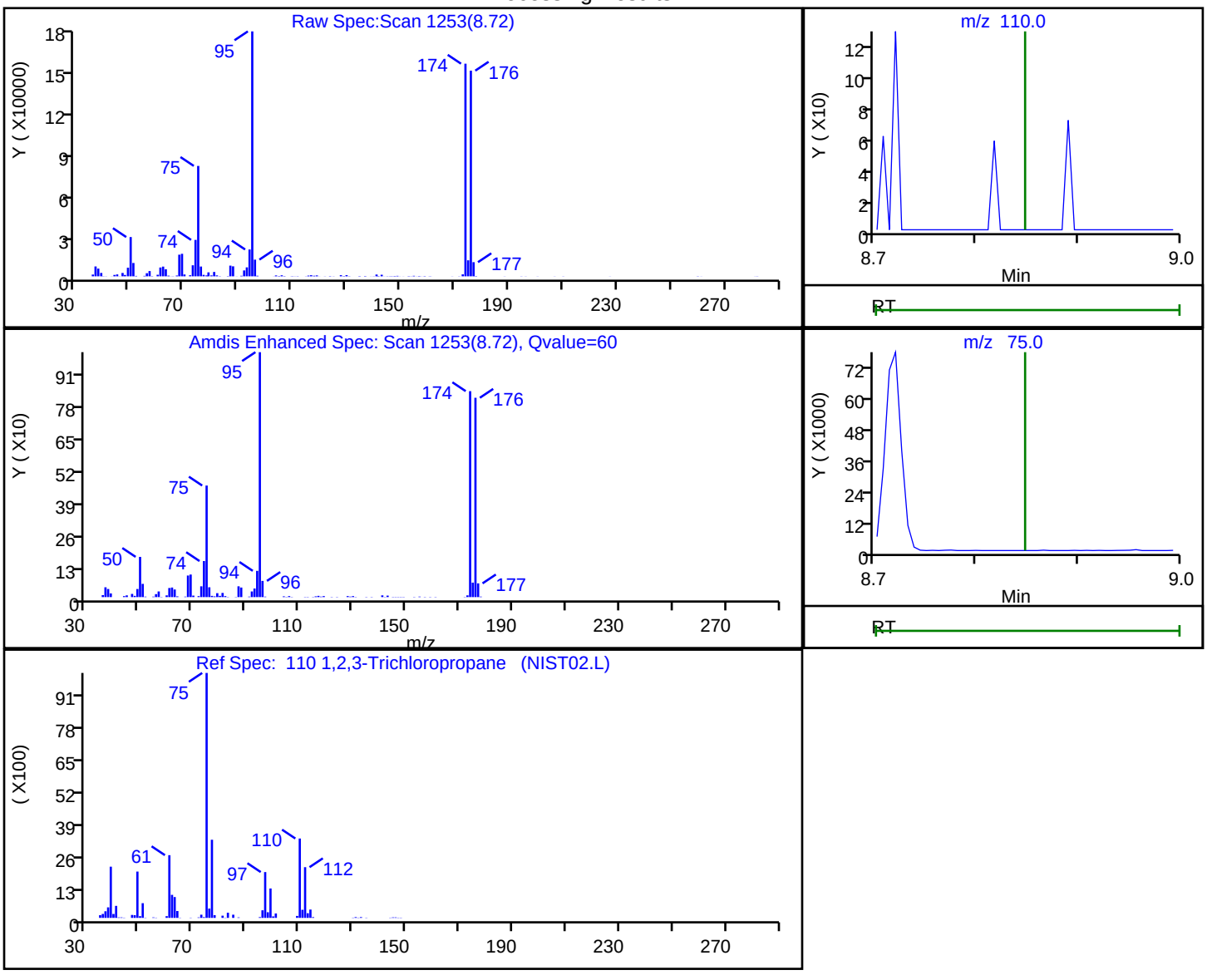
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

110 1,2,3-Trichloropropane, CAS: 96-18-4

Processing Results



RT	Mass	Response	Amount
8.72	110.00	67	1.037796
8.72	75.00	86056	

Reviewer: boykink, 11-Jun-2020 03:22:26
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

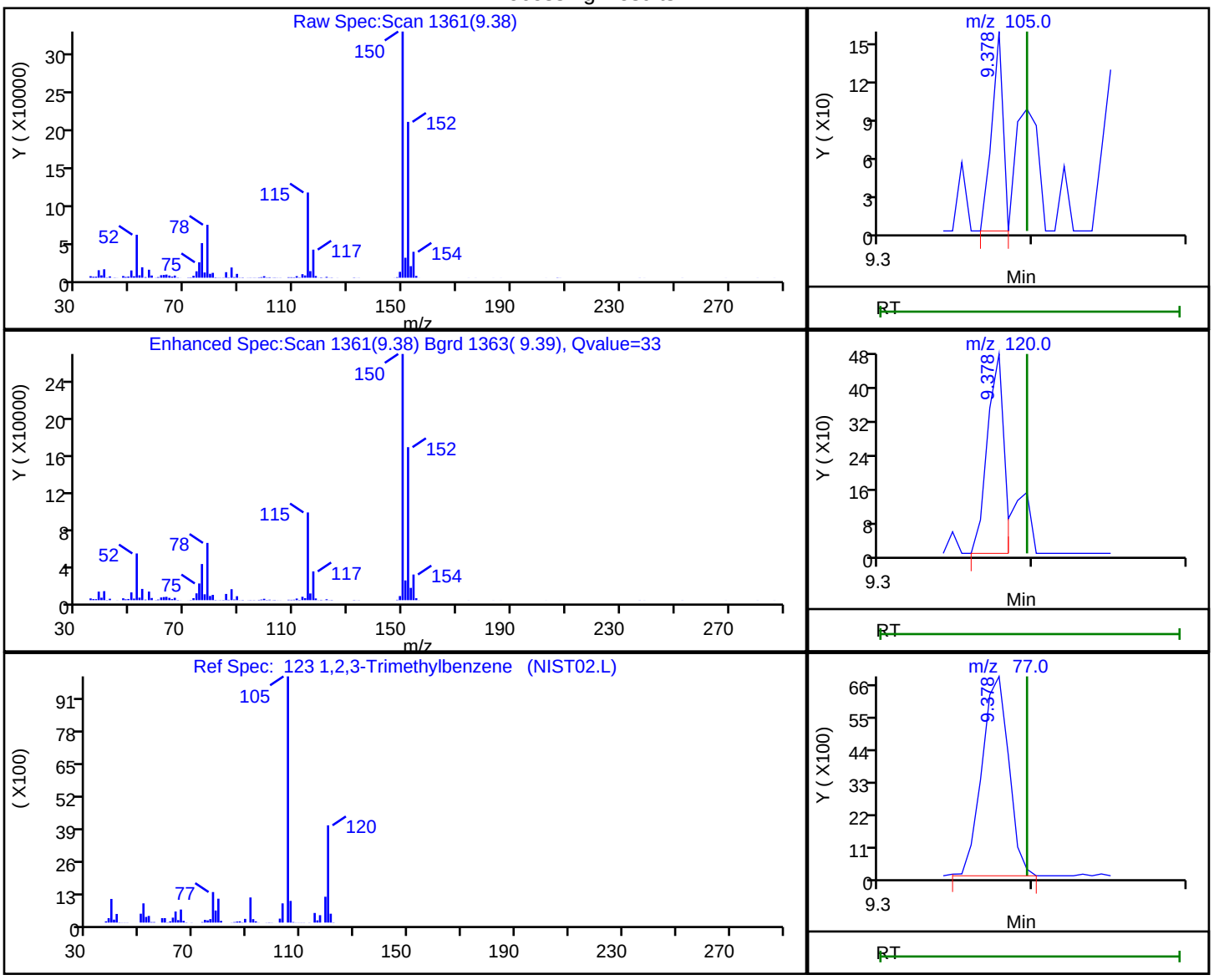
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

123 1,2,3-Trimethylbenzene, CAS: 526-73-8

Processing Results



RT	Mass	Response	Amount
9.38	105.00	80	0.005851
9.38	120.00	357	
9.38	77.00	8393	

Reviewer: moroneyc, 11-Jun-2020 08:48:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

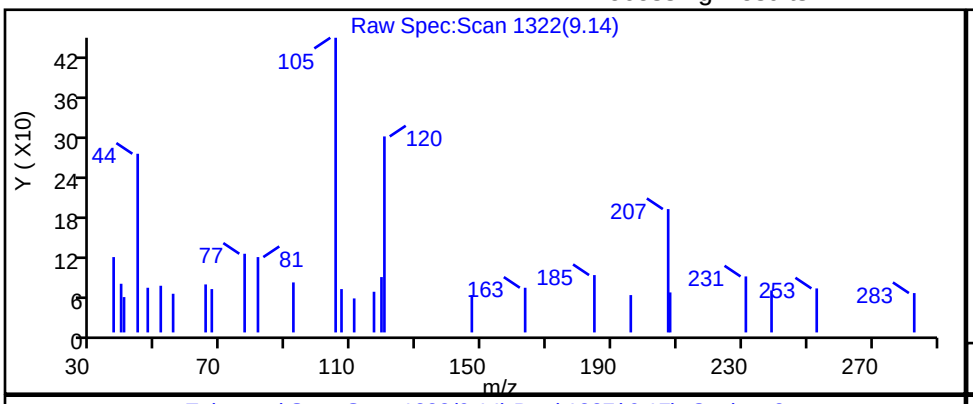
User Disabled Compound Report

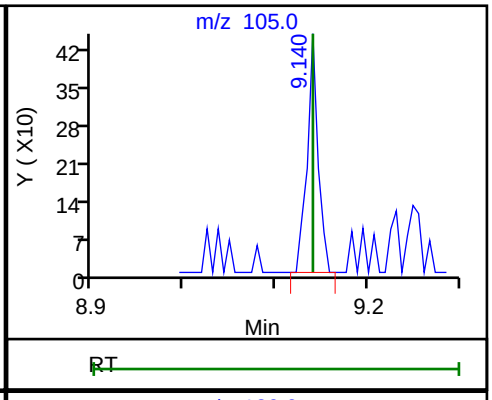
Eurofins TestAmerica, Edison

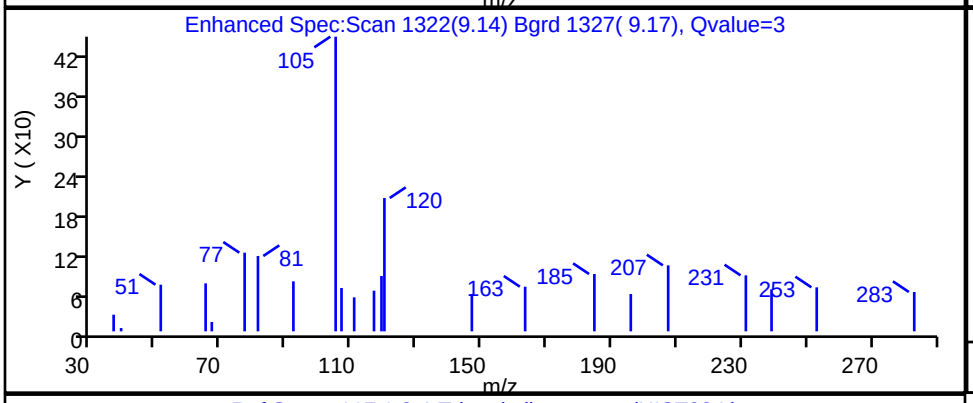
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

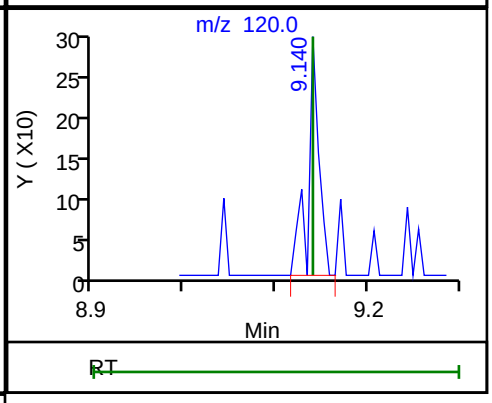
117 1,2,4-Trimethylbenzene, CAS: 95-63-6

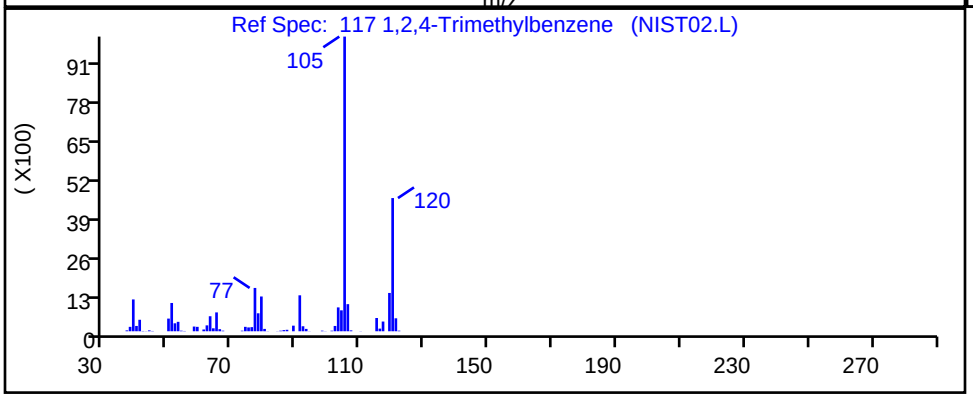
Processing Results











RT	Mass	Response	Amount
9.14	105.00	365	0.026723
9.14	120.00	246	

Reviewer: boykink, 11-Jun-2020 03:22:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

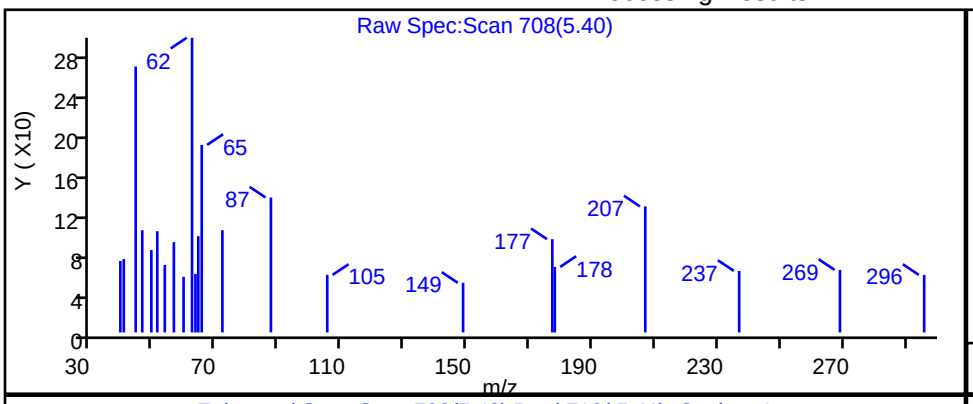
User Disabled Compound Report

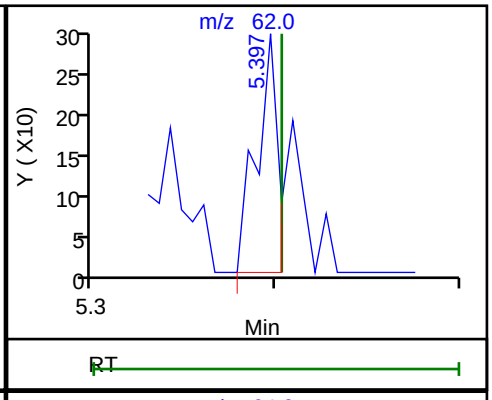
Eurofins TestAmerica, Edison

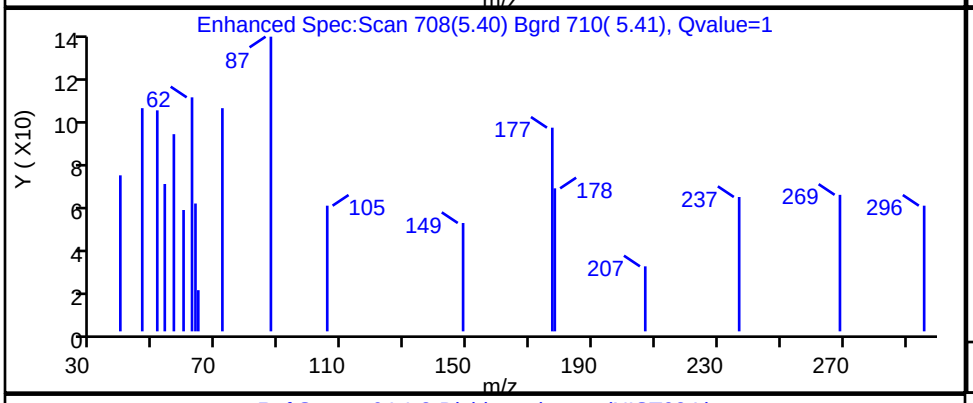
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

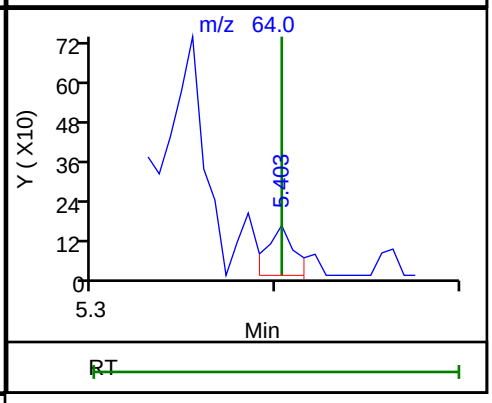
64 1,2-Dichloroethane, CAS: 107-06-2

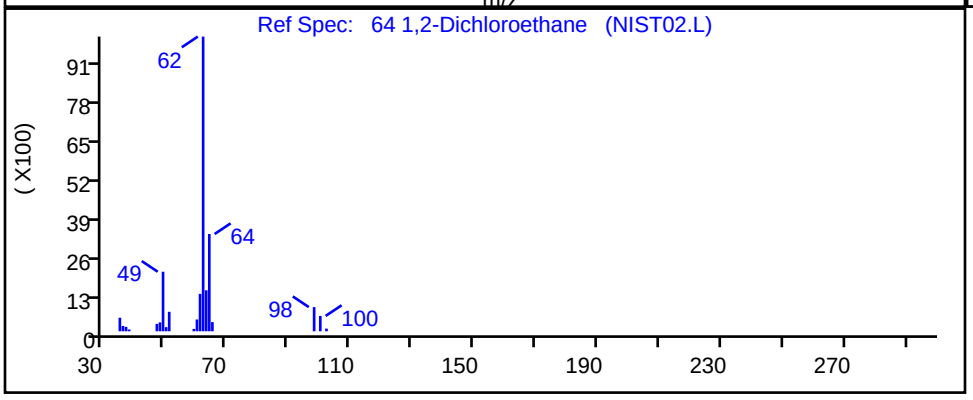
Processing Results











RT	Mass	Response	Amount
5.40	62.00	241	0.060097
5.40	64.00	164	

Reviewer: boykink, 11-Jun-2020 03:22:07
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

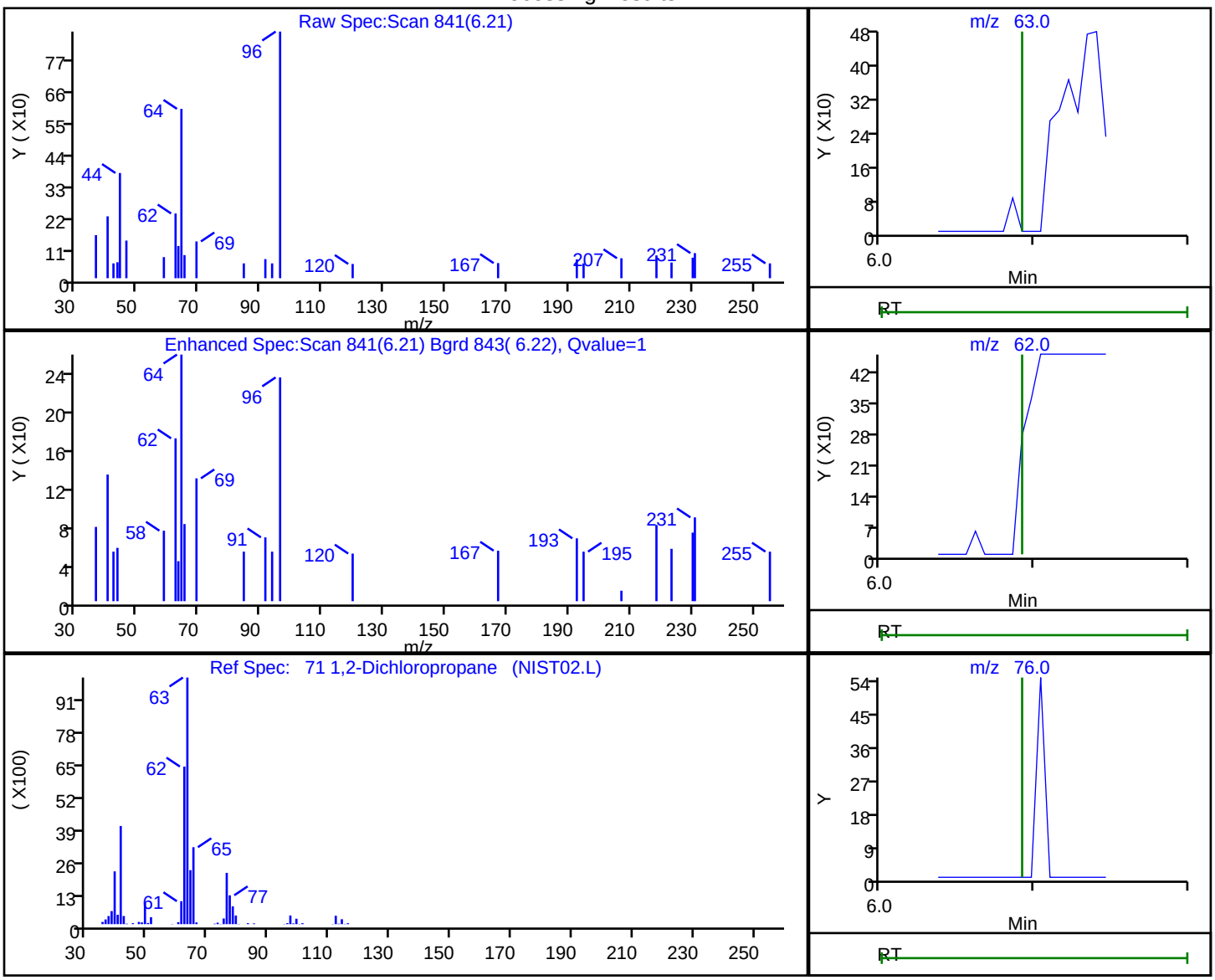
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D				
Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

71 1,2-Dichloropropane, CAS: 78-87-5

Processing Results



RT	Mass	Response	Amount
6.21	63.00	97	0.027374
6.20	62.00	339	
6.21	76.00	24	
6.09	112.00	0	

Reviewer: boykink, 11-Jun-2020 03:22:12

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

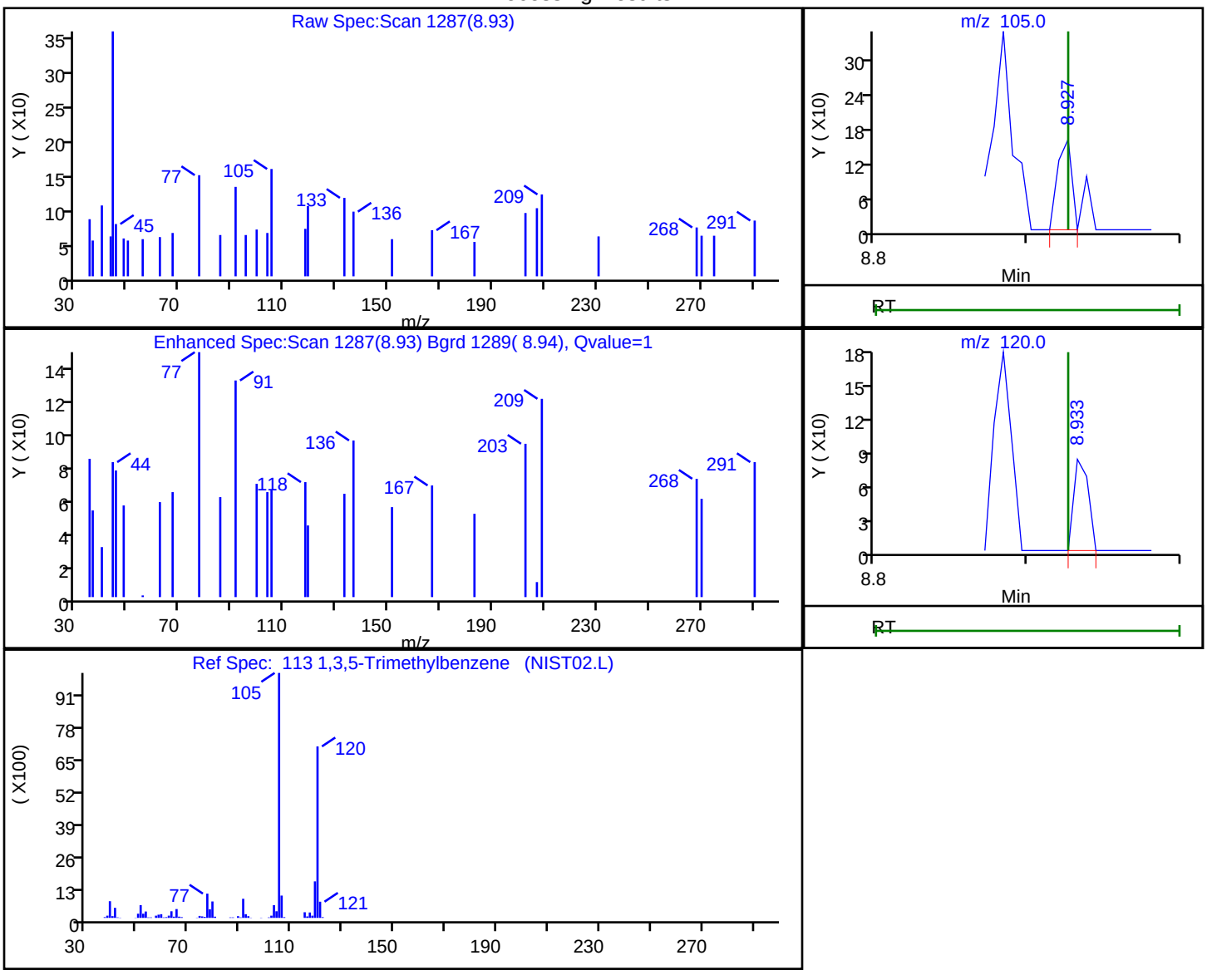
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

113 1,3,5-Trimethylbenzene, CAS: 108-67-8

Processing Results



RT	Mass	Response	Amount
8.93	105.00	101	0.007749
8.93	120.00	53	

Reviewer: boykink, 11-Jun-2020 03:22:31
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

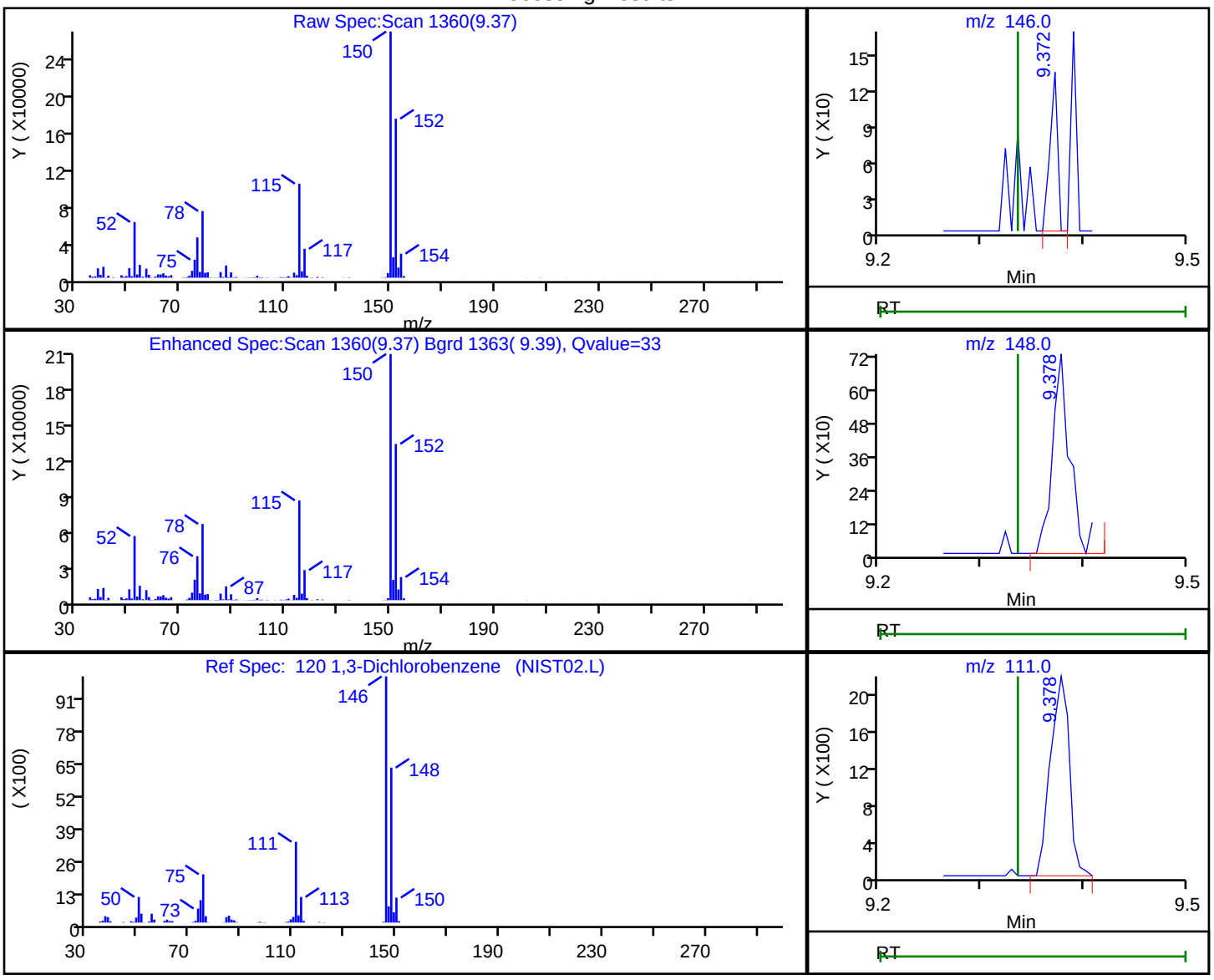
User Disabled Compound Report

Eurofins TestAmerica, Edison

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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

120 1,3-Dichlorobenzene, CAS: 541-73-1

Processing Results



RT	Mass	Response	Amount
9.37	146.00	67	0.008693
9.38	148.00	856	
9.38	111.00	2707	

Reviewer: boykink, 11-Jun-2020 03:22:52
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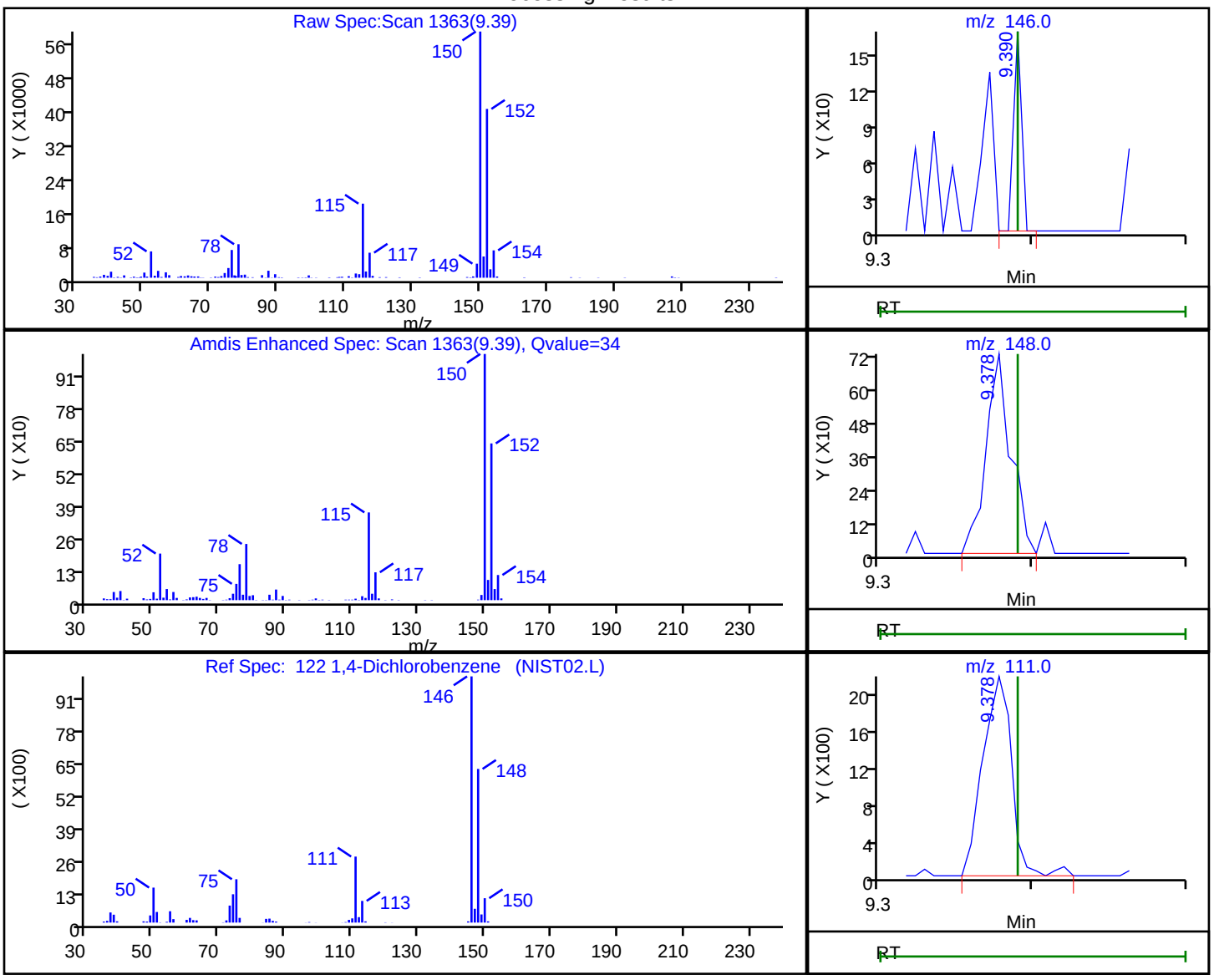
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Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

122 1,4-Dichlorobenzene, CAS: 106-46-7

Processing Results



RT	Mass	Response	Amount
9.39	146.00	59	0.007632
9.38	148.00	816	
9.38	111.00	2762	

Reviewer: boykink, 11-Jun-2020 03:22:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

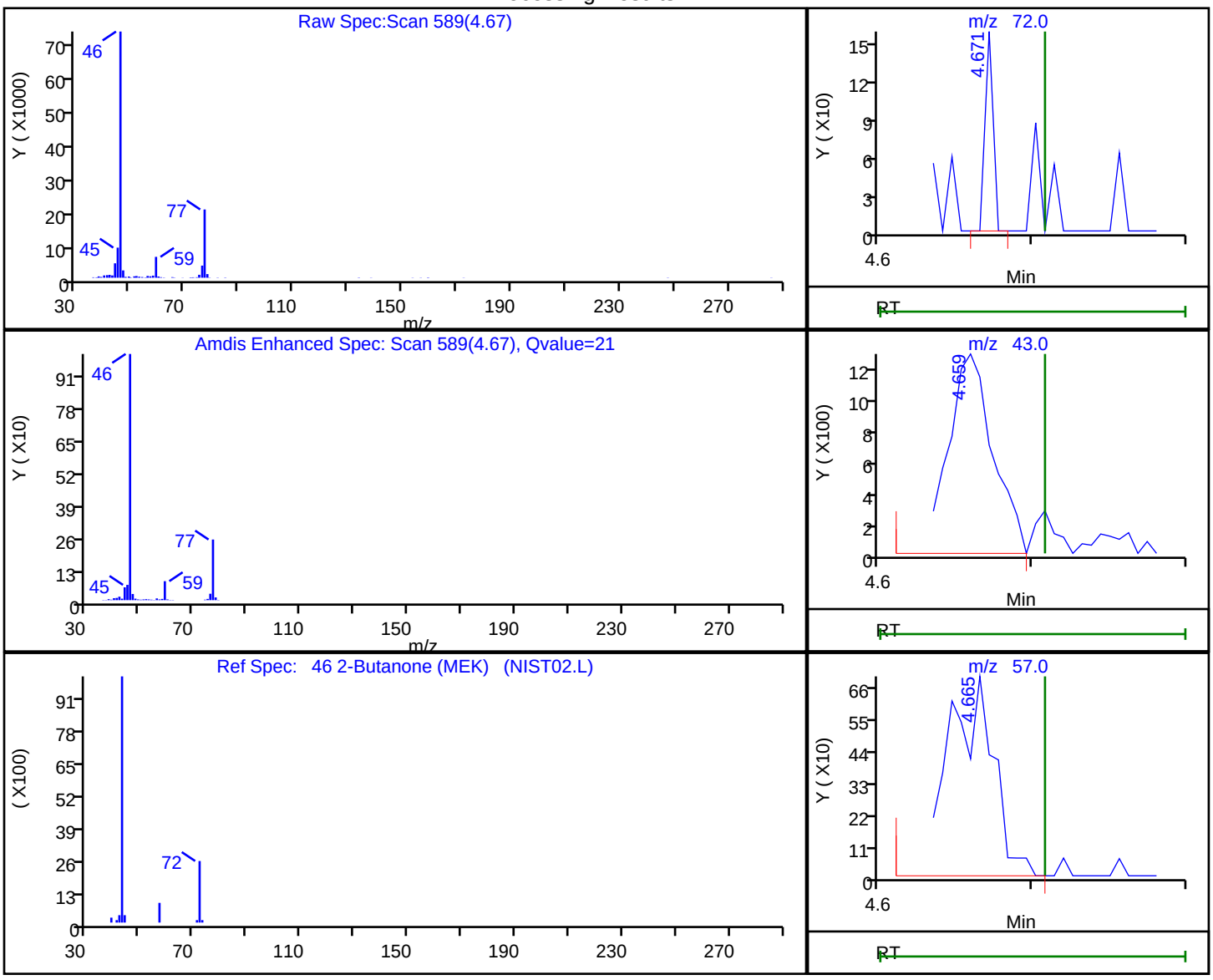
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Eurofins TestAmerica, Edison

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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

46 2-Butanone (MEK), CAS: 78-93-3

Processing Results



RT	Mass	Response	Amount
4.67	72.00	56	0.142148
4.66	43.00	2654	
4.67	57.00	1495	

Reviewer: boykink, 11-Jun-2020 03:21:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

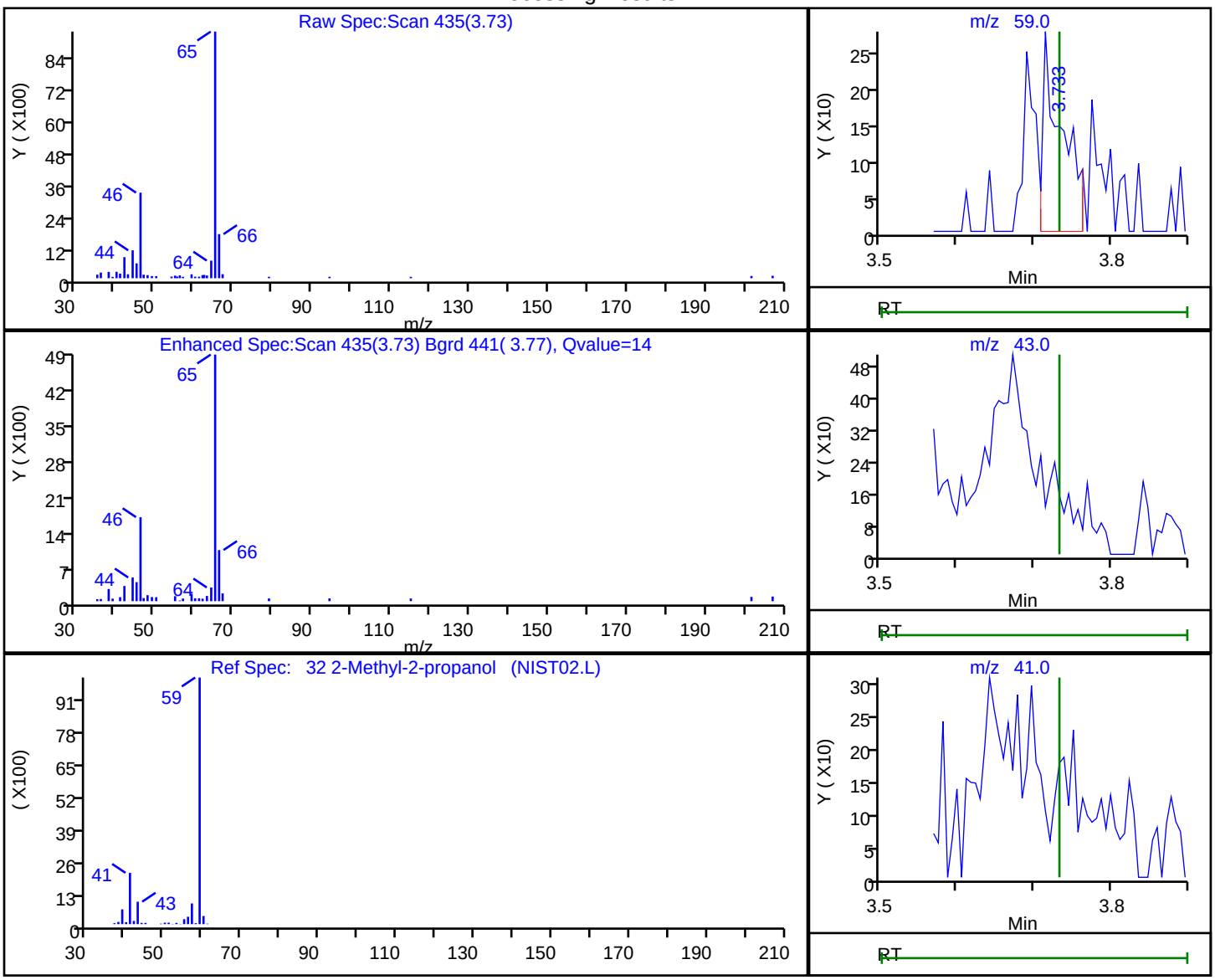
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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
3.73	59.00	490	1.556747
3.74	43.00	0	
3.74	41.00	0	

Reviewer: boykink, 11-Jun-2020 03:21:54
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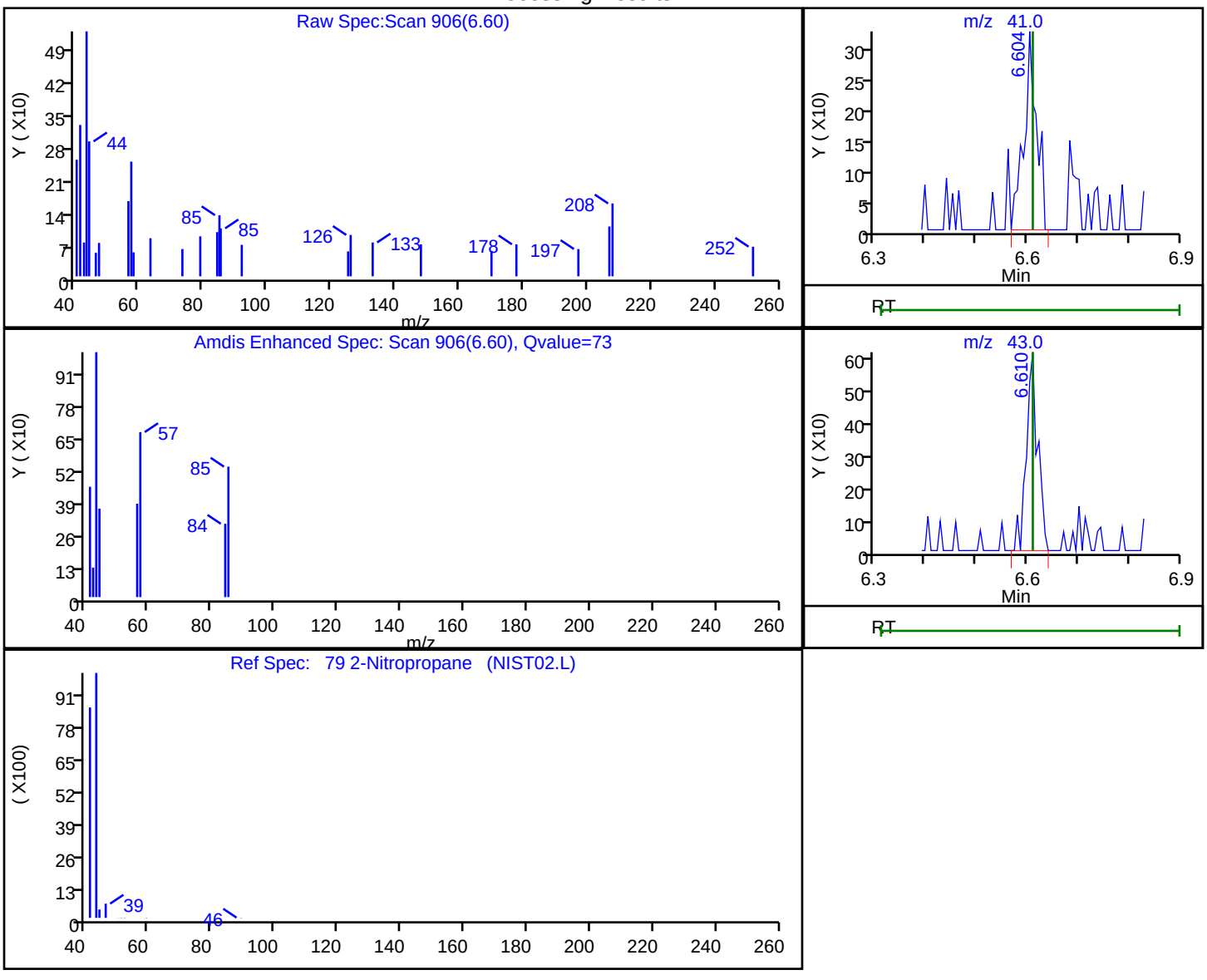
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Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
6.60	41.00	556	1.174521
6.61	43.00	955	

Reviewer: boykink, 11-Jun-2020 03:22:13
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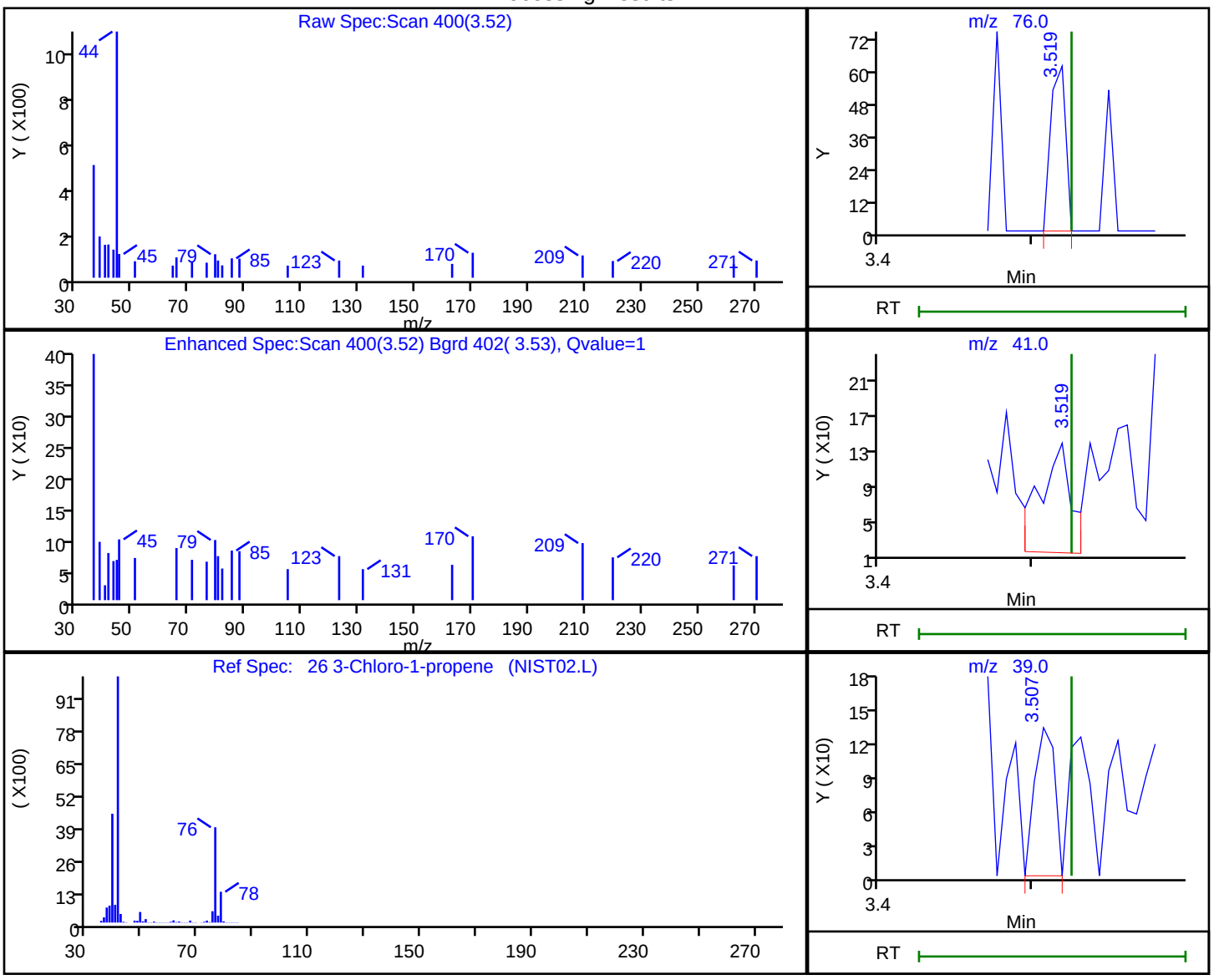
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Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.52	76.00	42	0.012323
3.52	41.00	176	
3.51	39.00	116	

Reviewer: boykink, 11-Jun-2020 03:21:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

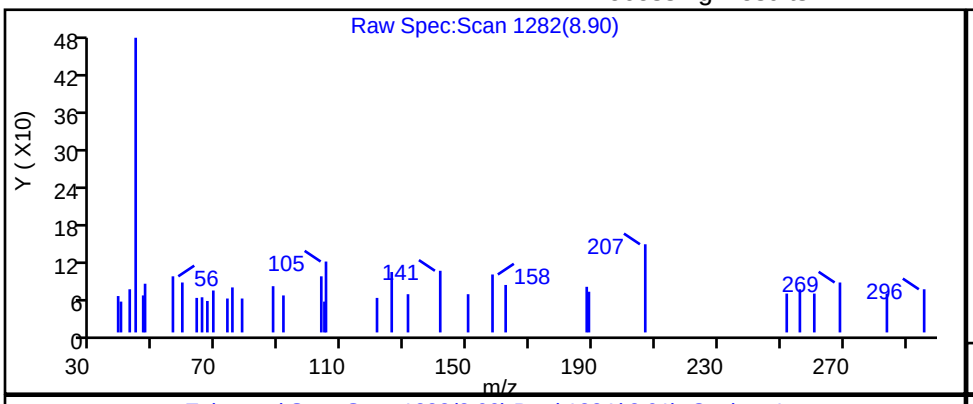
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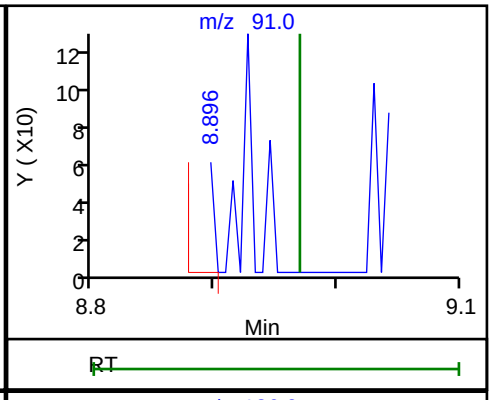
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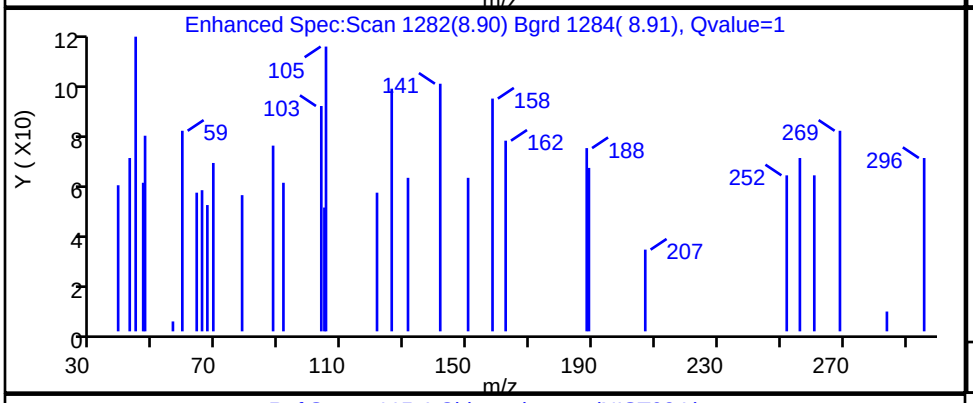
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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

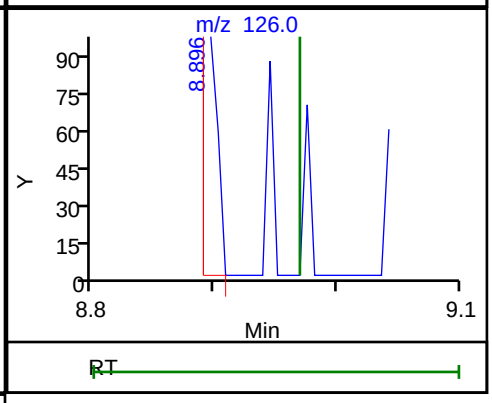
115 4-Chlorotoluene, CAS: 106-43-4

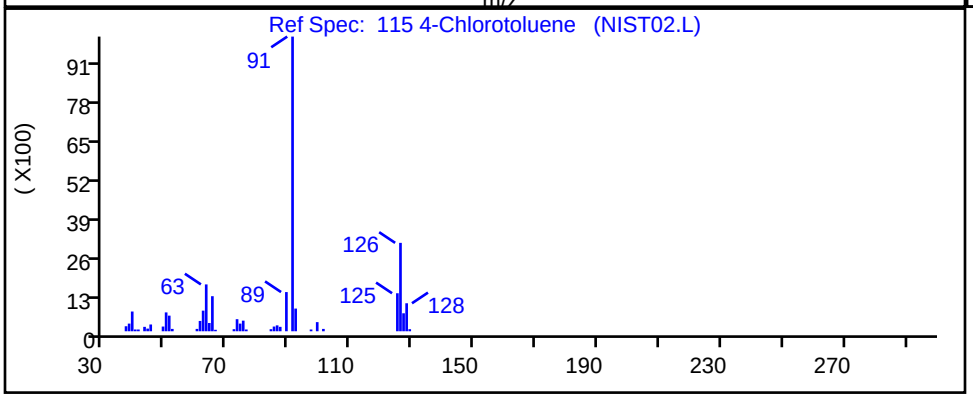
Processing Results











RT	Mass	Response	Amount
8.90	91.00	41	0.003728
8.90	126.00	57	

Reviewer: boykink, 11-Jun-2020 03:22:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

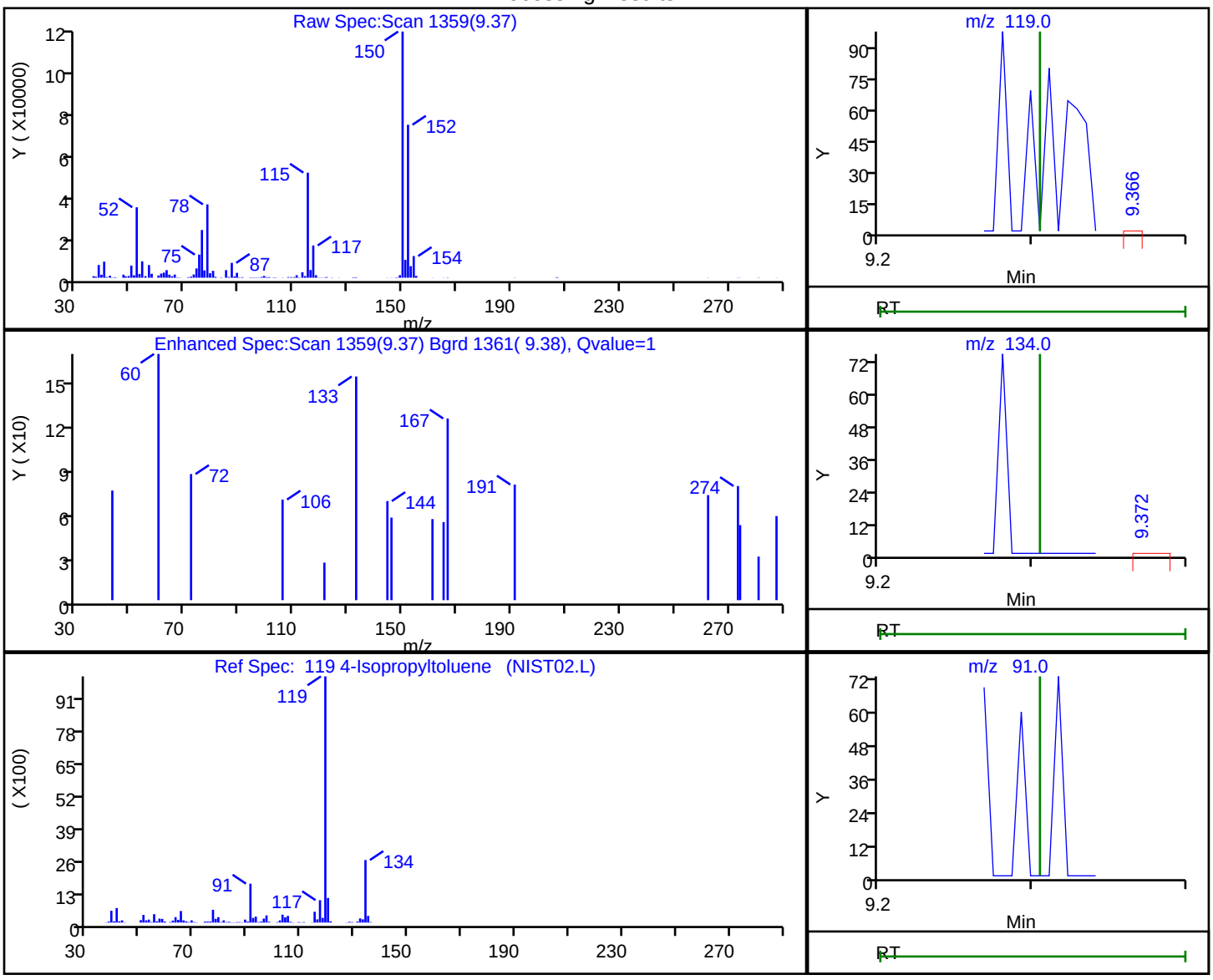
User Disabled Compound Report

Eurofins TestAmerica, Edison

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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

119 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
9.37	119.00	45	0.003119
9.37	134.00	180	
9.37	91.00	660	

Reviewer: boykink, 11-Jun-2020 03:22:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

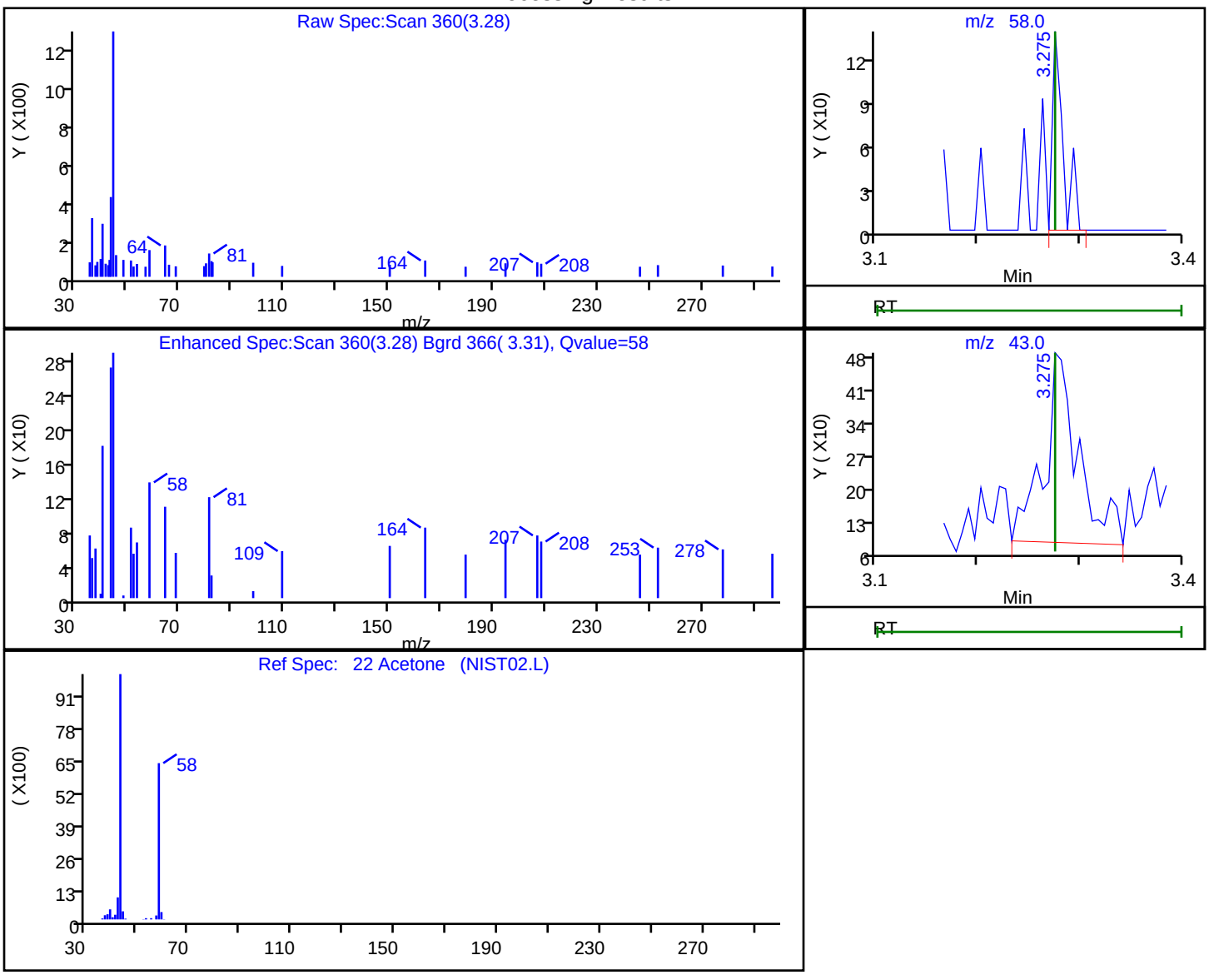
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Eurofins TestAmerica, Edison

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Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.28	58.00	97	0.172475
3.28	43.00	913	

Reviewer: boykink, 11-Jun-2020 03:21:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

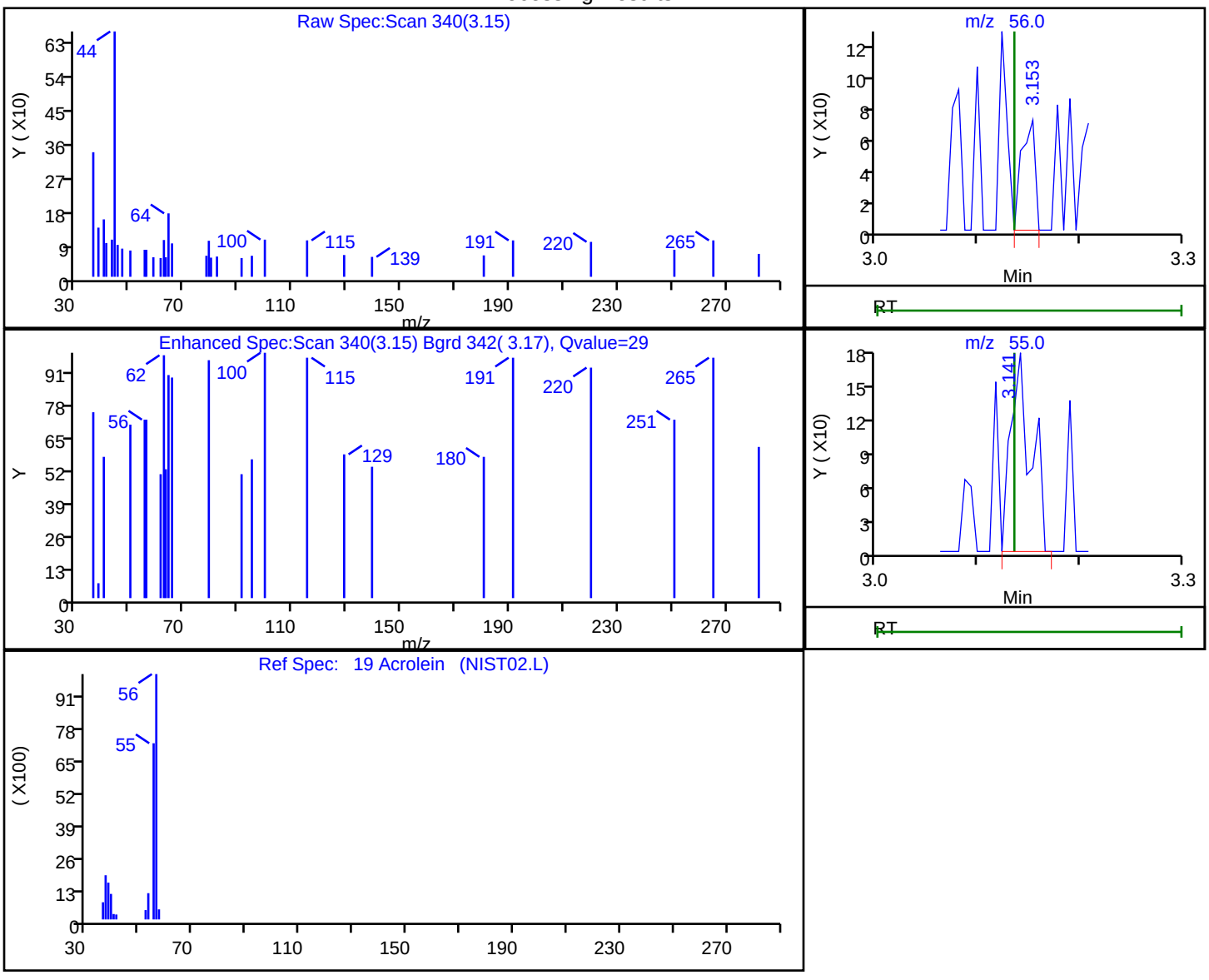
User Disabled Compound Report

Eurofins TestAmerica, Edison

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Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Acrolein, CAS: 107-02-8

Processing Results



RT	Mass	Response	Amount
3.15	56.00	66	0.267558
3.14	55.00	234	

Reviewer: boykink, 11-Jun-2020 03:21:47
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

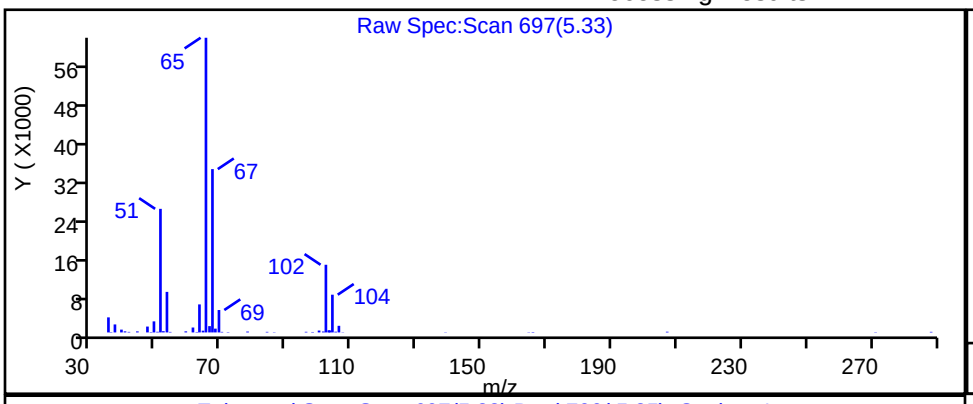
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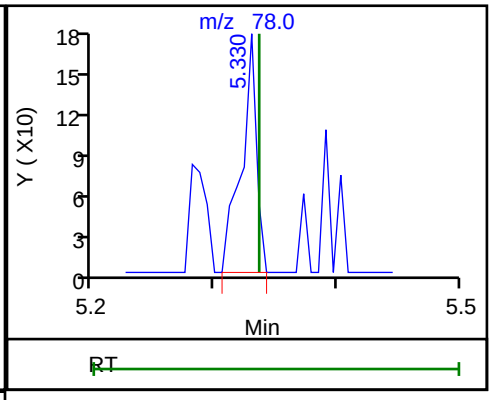
Eurofins TestAmerica, Edison

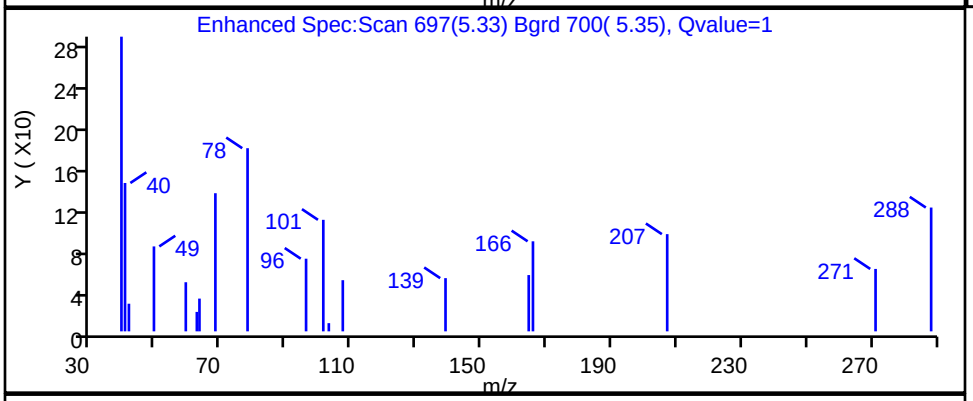
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Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

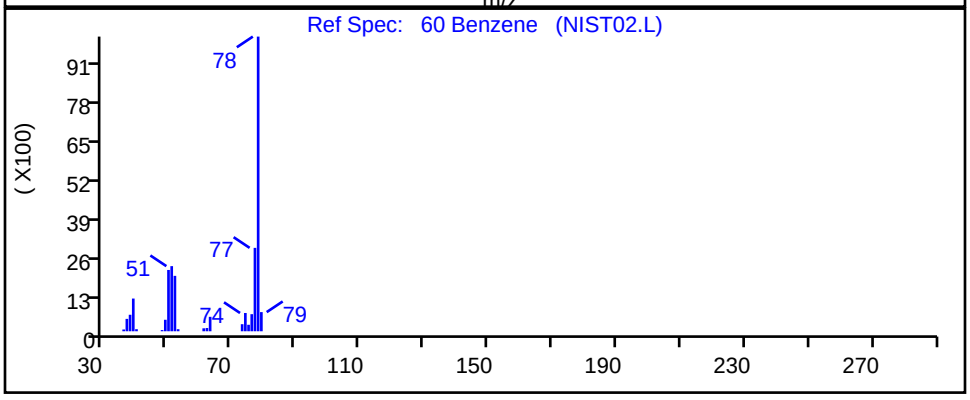
60 Benzene, CAS: 71-43-2

Processing Results









RT	Mass	Response	Amount
5.33	78.00	155	0.010941

Reviewer: boykink, 11-Jun-2020 03:22:05
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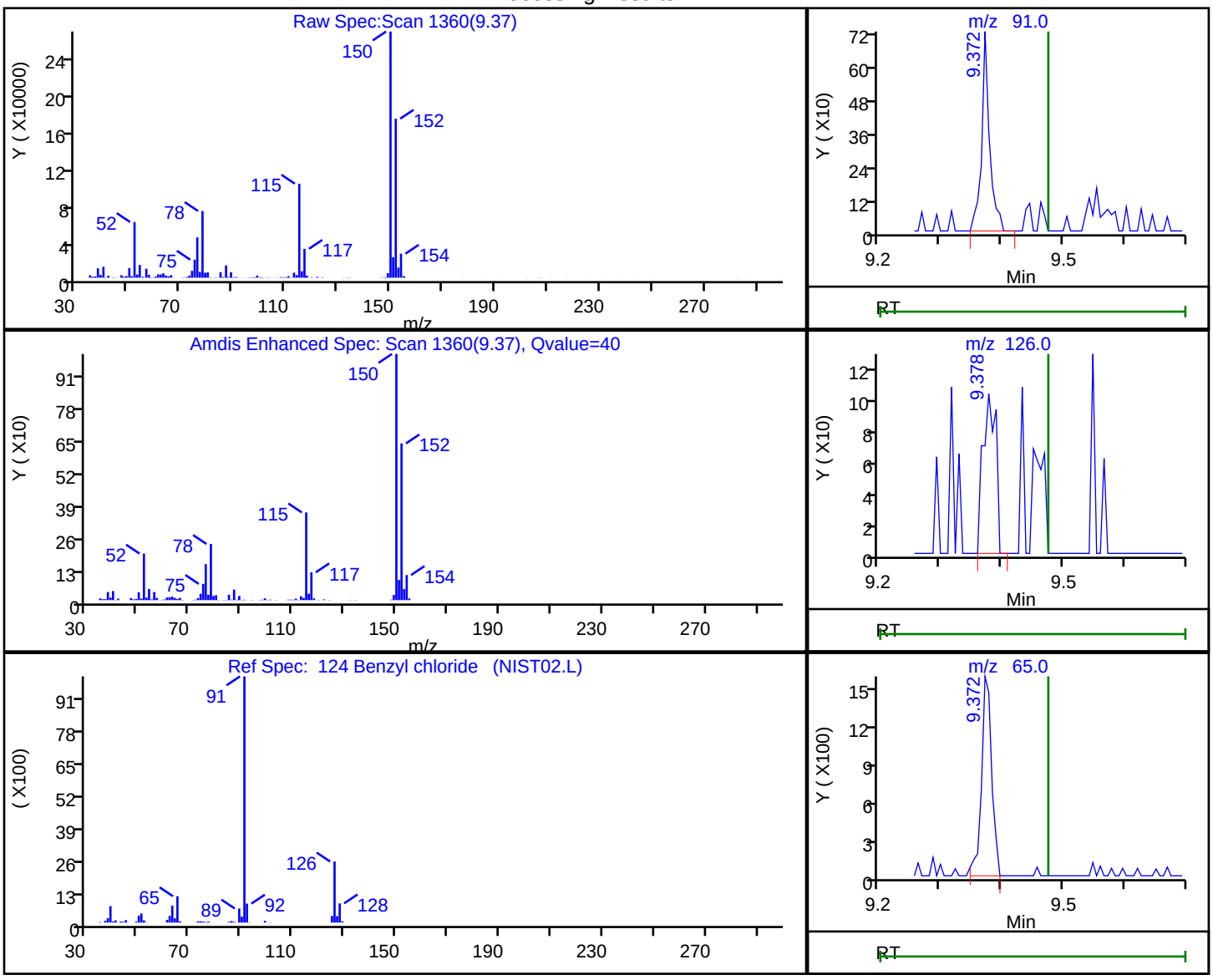
User Disabled Compound Report

Eurofins TestAmerica, Edison

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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

124 Benzyl chloride, CAS: 100-44-7

Processing Results



RT	Mass	Response	Amount
9.37	91.00	660	0.265642
9.38	126.00	148	
9.37	65.00	1817	

Reviewer: boykink, 11-Jun-2020 03:22:55
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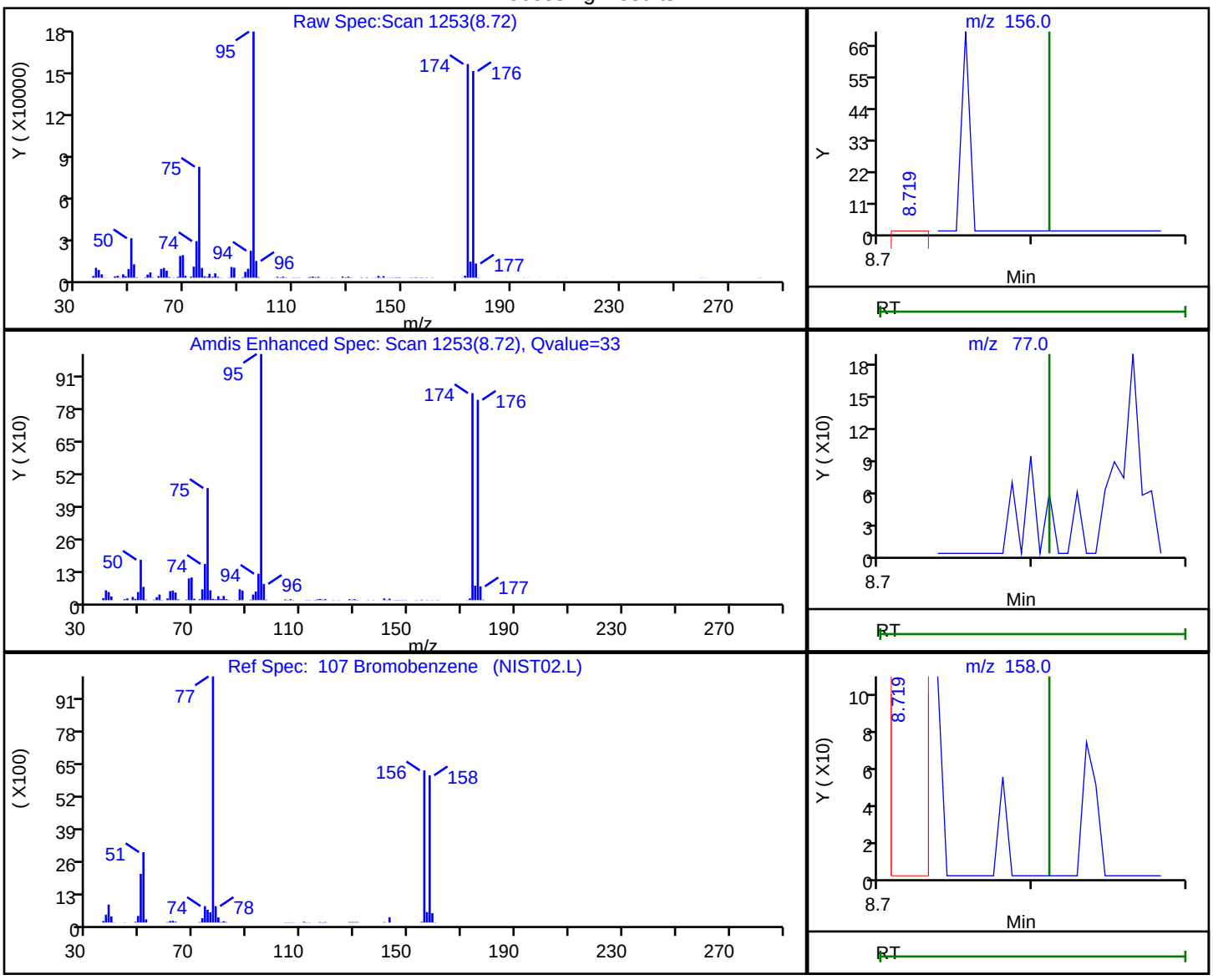
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Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

107 Bromobenzene, CAS: 108-86-1

Processing Results



RT	Mass	Response	Amount
8.72	156.00	22	0.005925
8.72	77.00	882	
8.72	158.00	19	

Reviewer: boykink, 11-Jun-2020 03:22:27

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

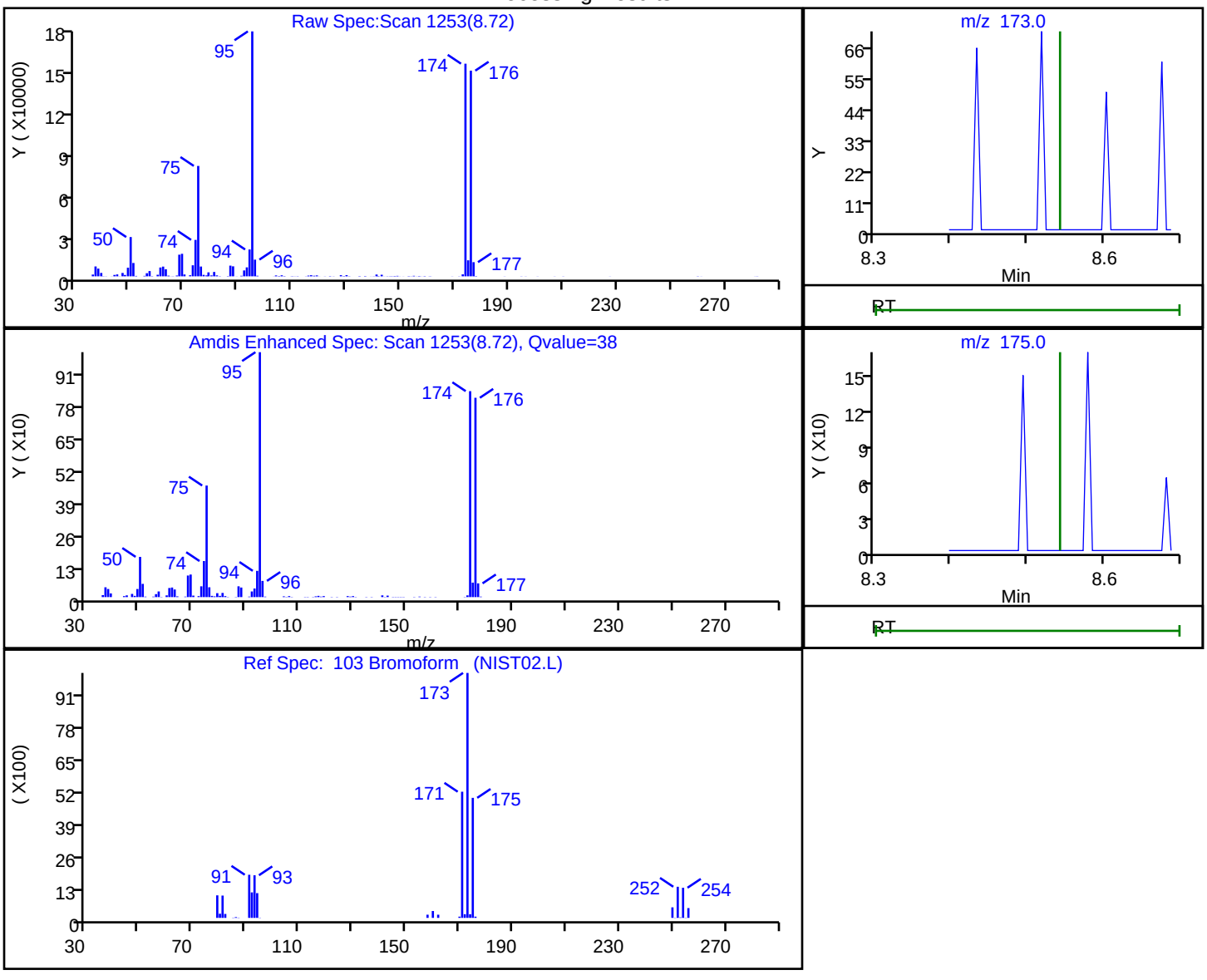
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Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
8.72	173.00	1143	1.391243
8.72	175.00	11066	

Reviewer: boykink, 11-Jun-2020 03:22:22

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

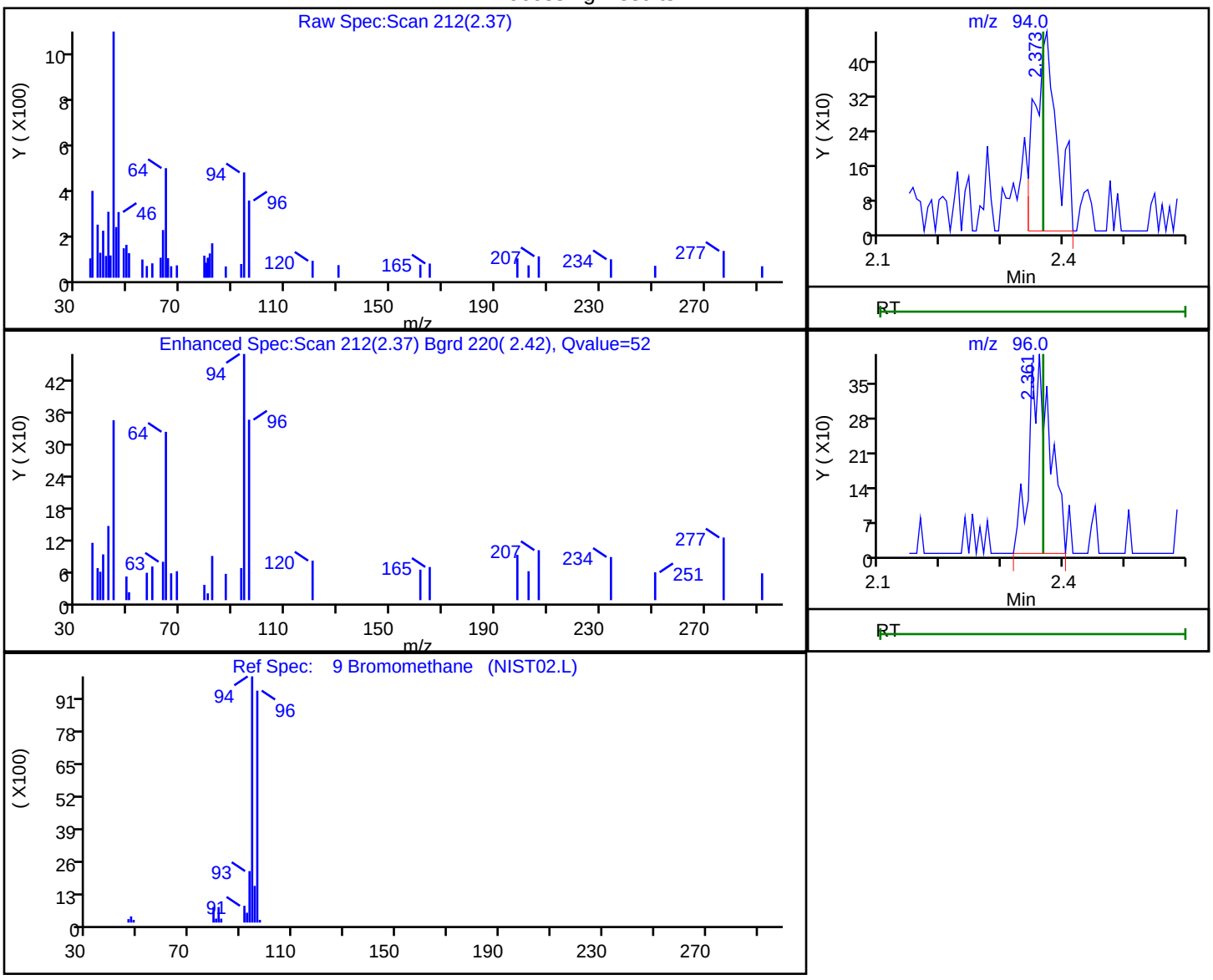
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Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.37	94.00	1154	0.250000
2.36	96.00	974	

Reviewer: boykink, 11-Jun-2020 02:39:02
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

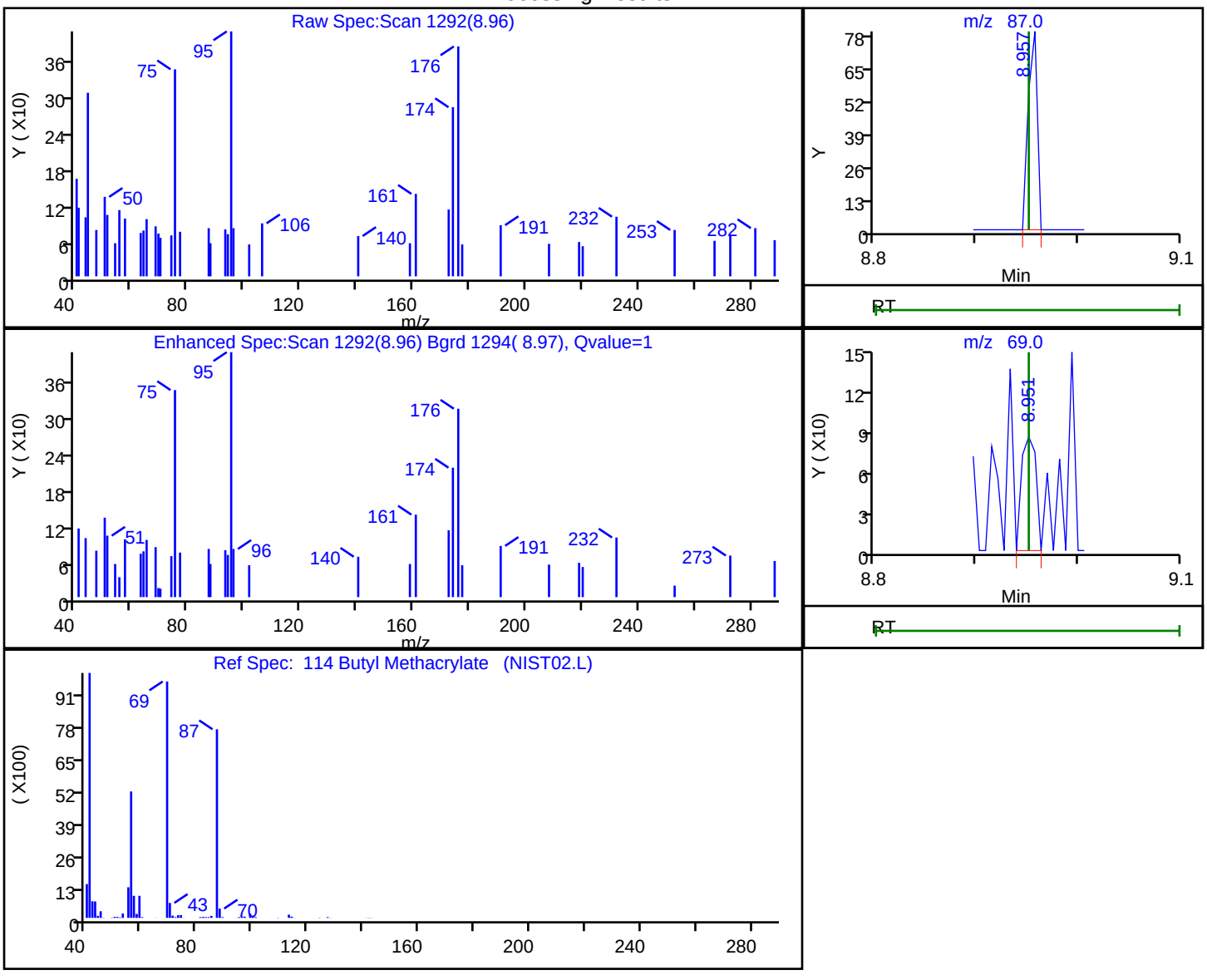
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Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

114 Butyl Methacrylate, CAS: 97-88-1

Processing Results



RT	Mass	Response	Amount
8.96	87.00	50	0.024467
8.95	69.00	81	

Reviewer: boykink, 11-Jun-2020 03:22:33
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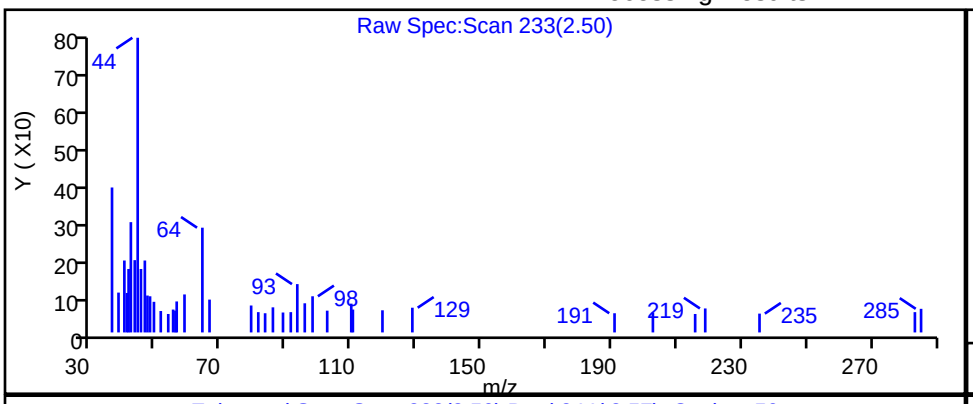
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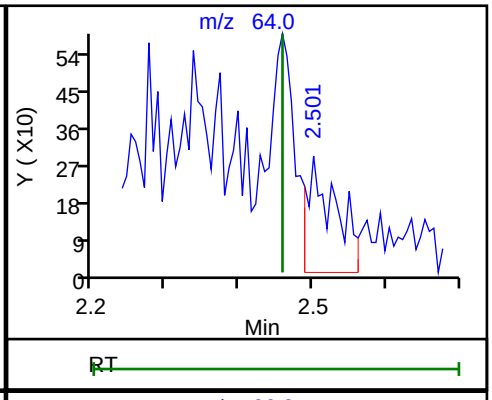
Eurofins TestAmerica, Edison

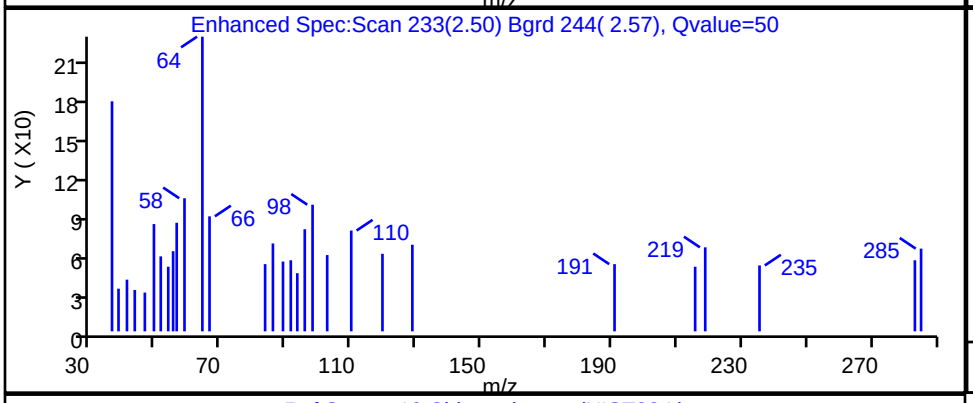
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Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

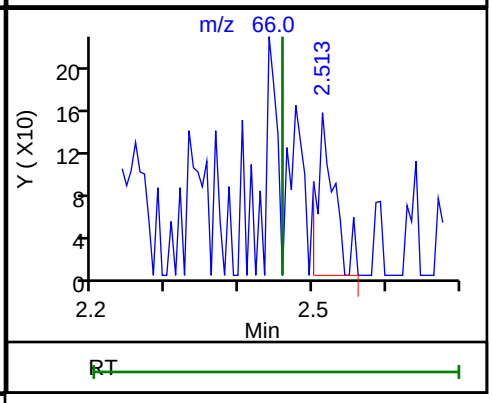
10 Chloroethane, CAS: 75-00-3

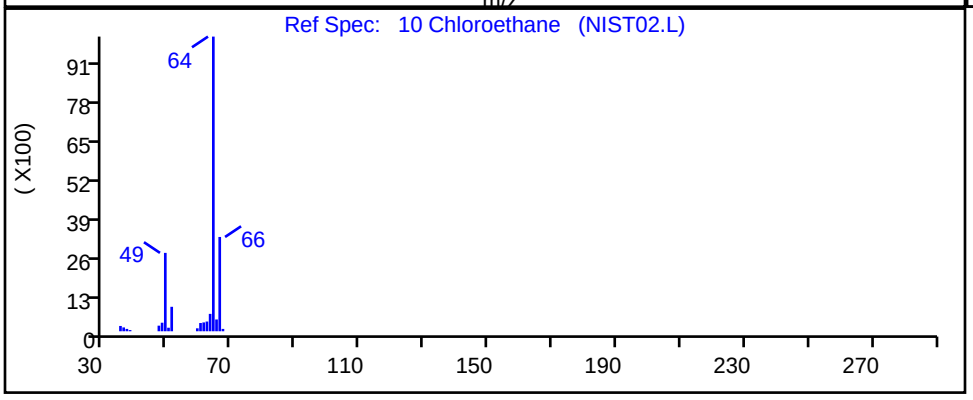
Processing Results











RT	Mass	Response	Amount
2.50	64.00	771	0.250000
2.51	66.00	248	

Reviewer: boykink, 11-Jun-2020 02:39:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

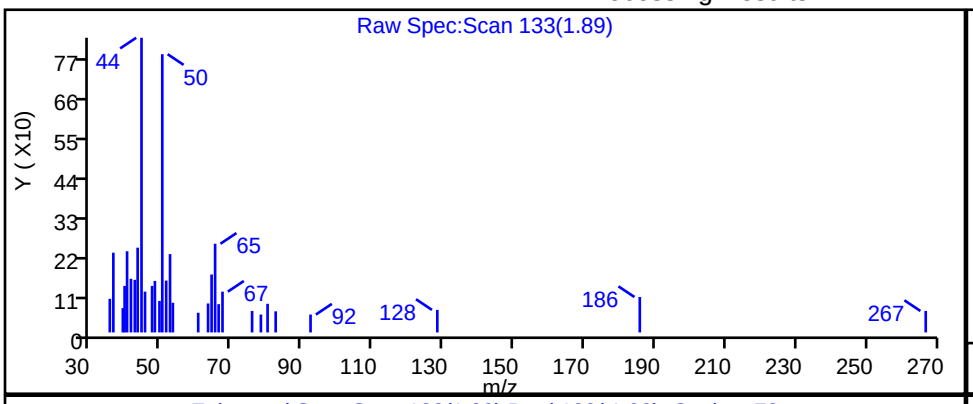
User Disabled Compound Report

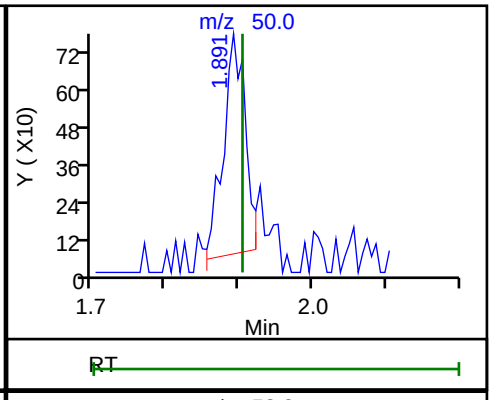
Eurofins TestAmerica, Edison

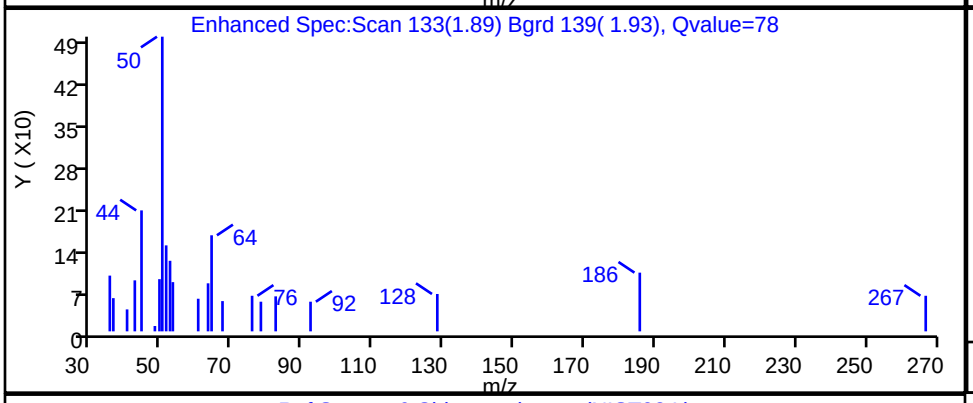
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

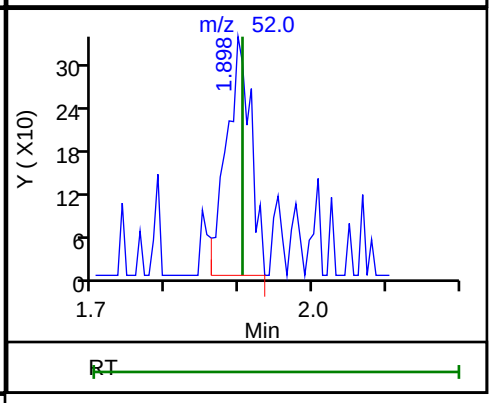
6 Chloromethane, CAS: 74-87-3

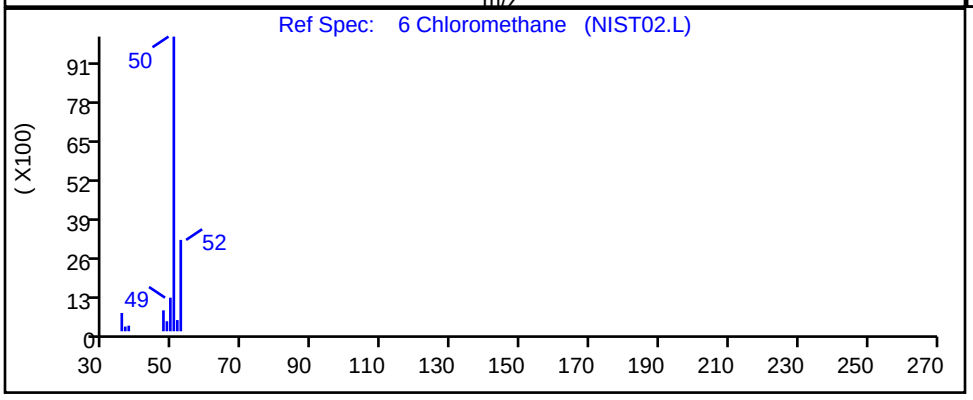
Processing Results











RT	Mass	Response	Amount
1.89	50.00	1499	0.250000
1.90	52.00	785	

Reviewer: boykink, 11-Jun-2020 02:38:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

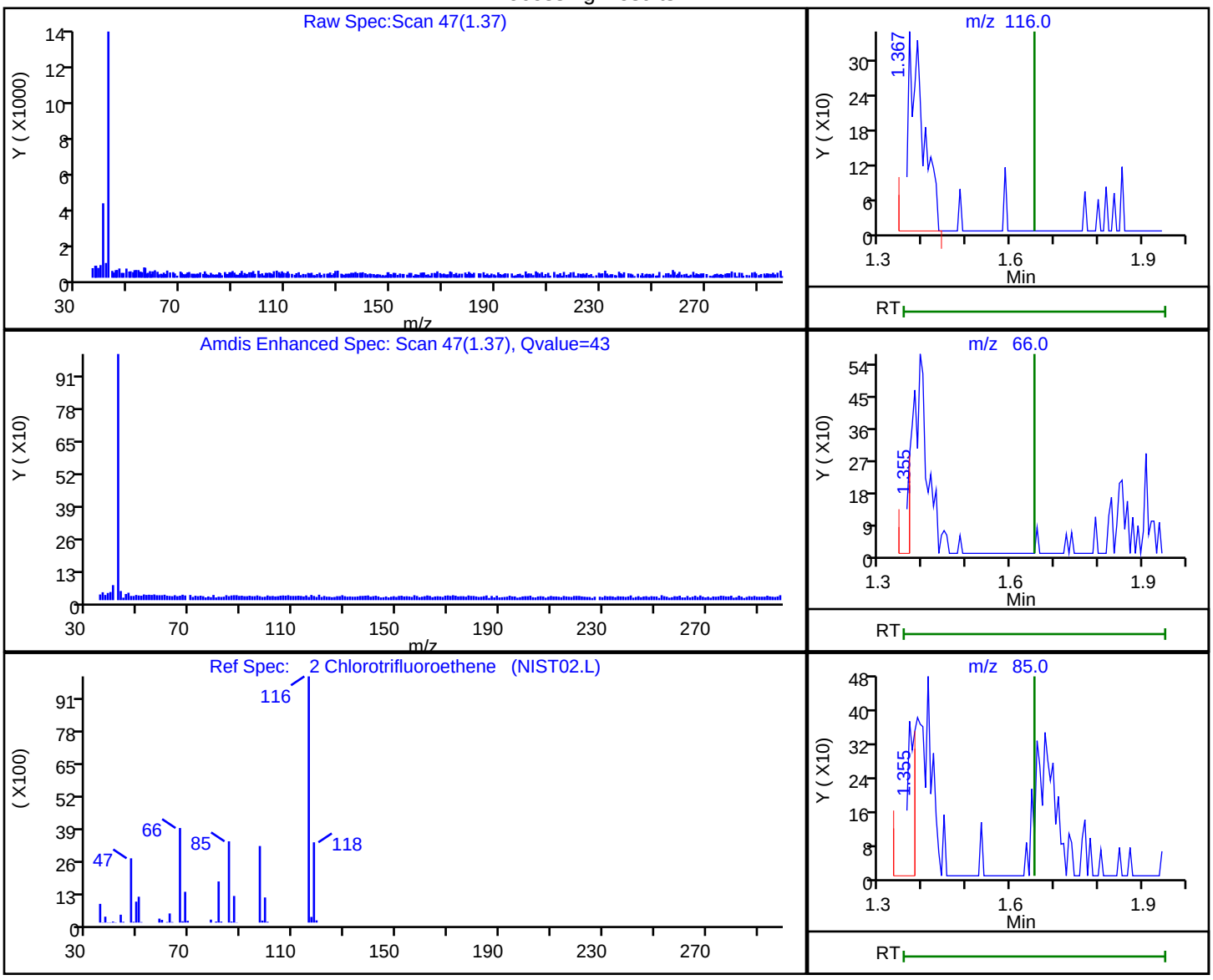
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
1.37	116.00	923	0.850451
1.35	66.00	350	
1.35	85.00	669	
1.38	118.00	938	

Reviewer: boykink, 11-Jun-2020 03:21:41
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

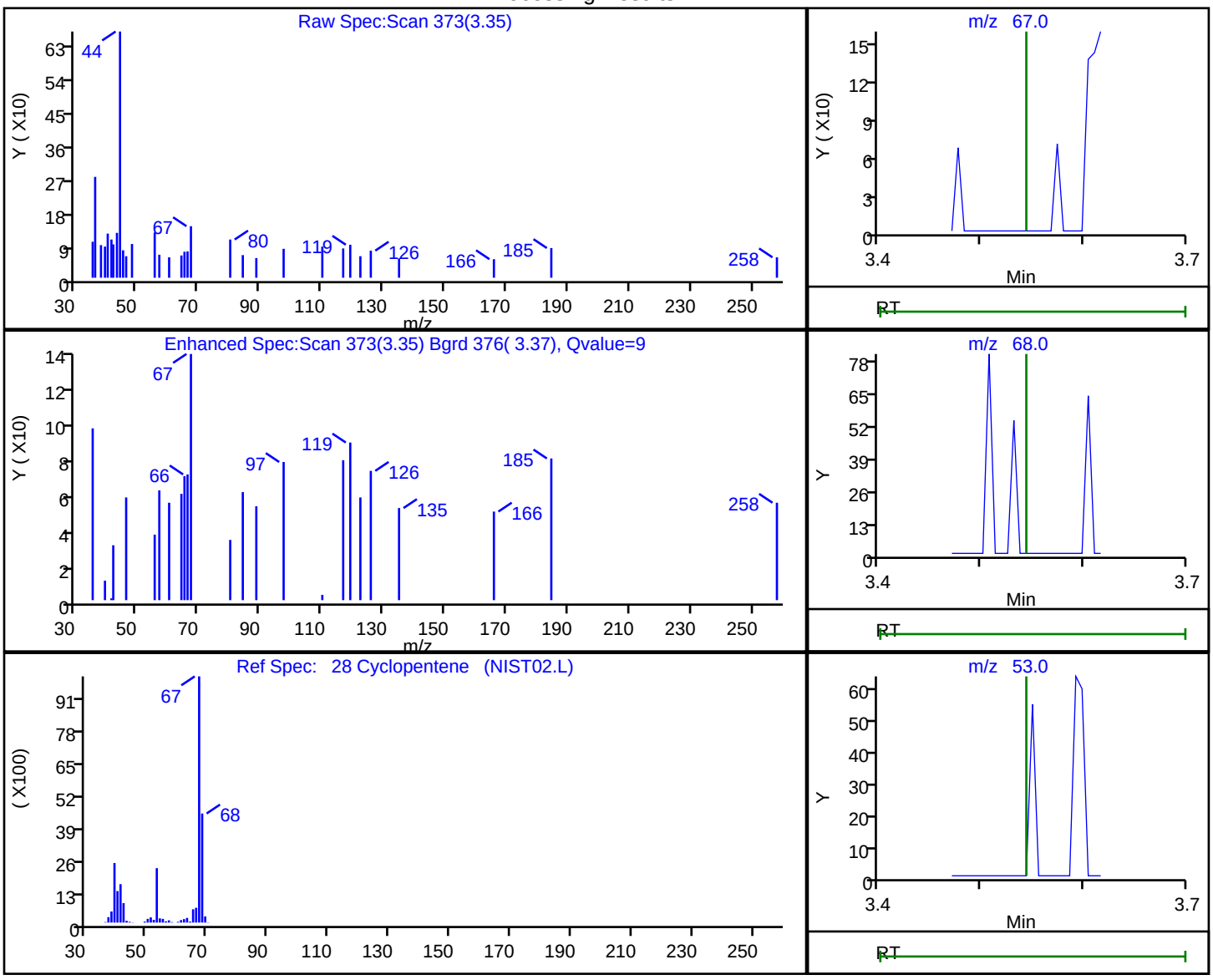
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 Cyclopentene, CAS: 142-29-0

Processing Results



RT	Mass	Response	Amount
3.35	67.00	51	0.005189
3.37	68.00	72	
3.36	53.00	115	

Reviewer: boykink, 11-Jun-2020 03:21:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

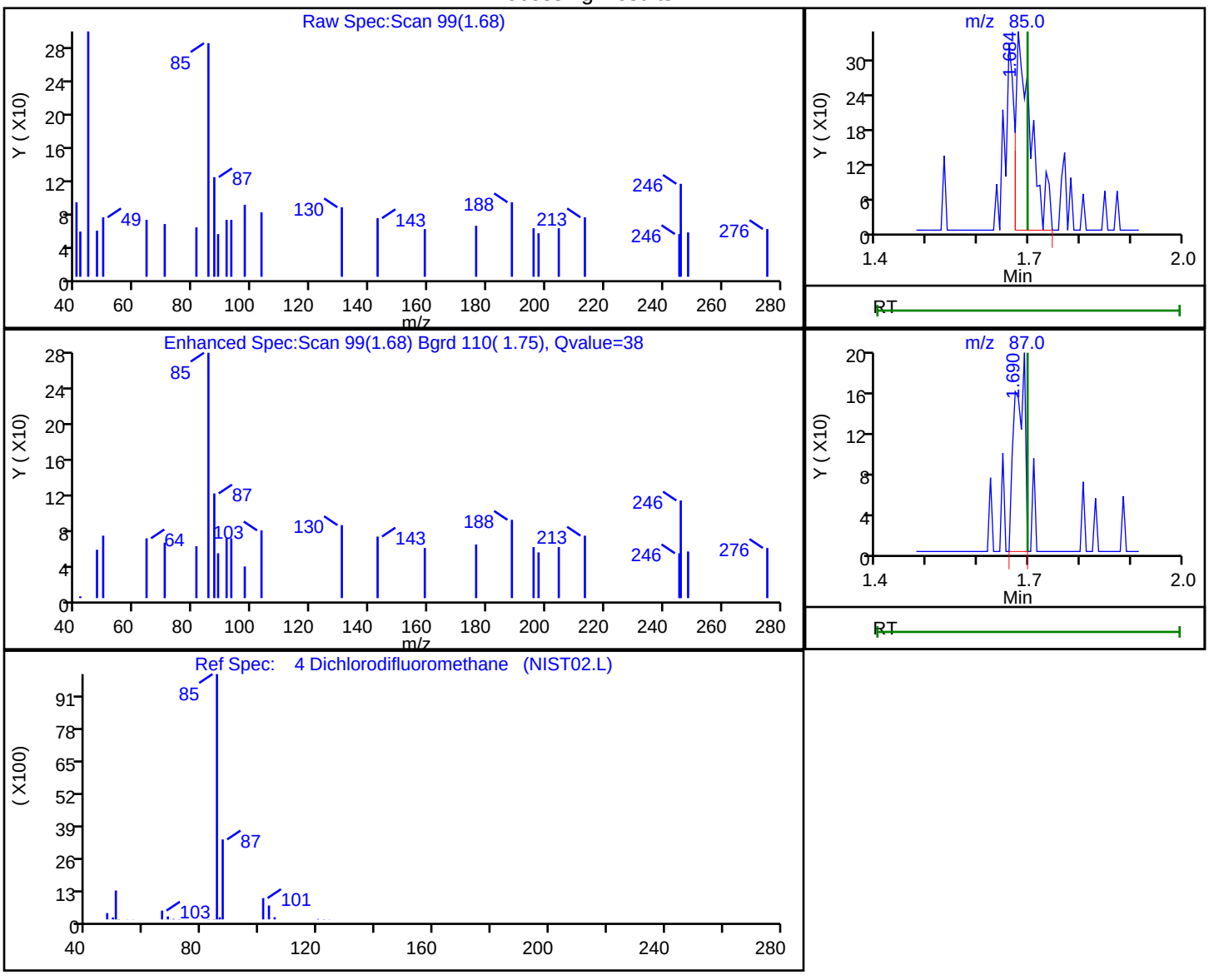
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D				
Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

4 Dichlorodifluoromethane, CAS: 75-71-8

Processing Results



RT	Mass	Response	Amount
1.68	85.00	711	0.250000
1.69	87.00	261	

Reviewer: boykink, 11-Jun-2020 02:38:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

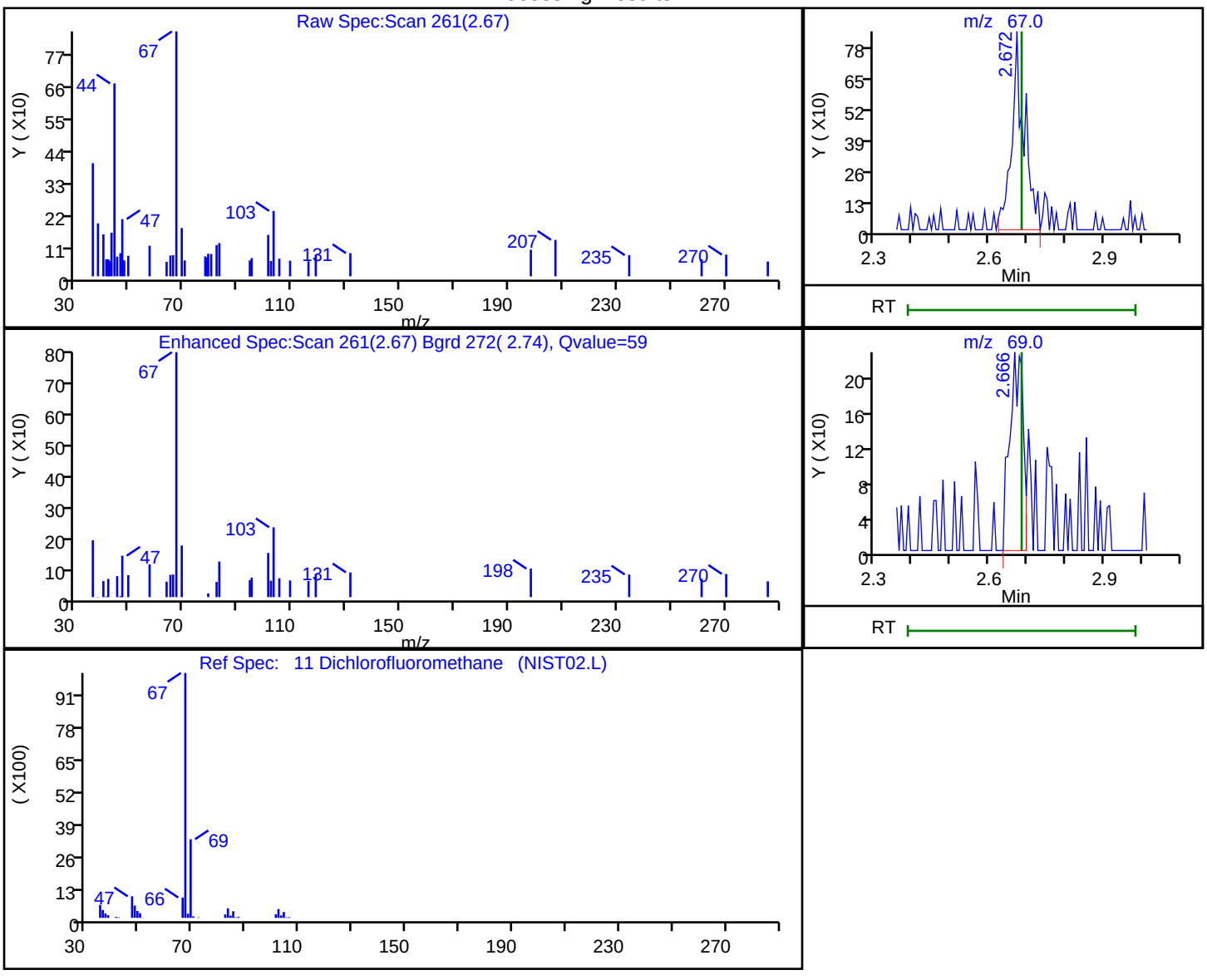
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

11 Dichlorofluoromethane, CAS: 75-43-4

Processing Results



RT	Mass	Response	Amount
2.67	67.00	1960	0.250000
2.67	69.00	562	

Reviewer: boykink, 11-Jun-2020 02:39:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

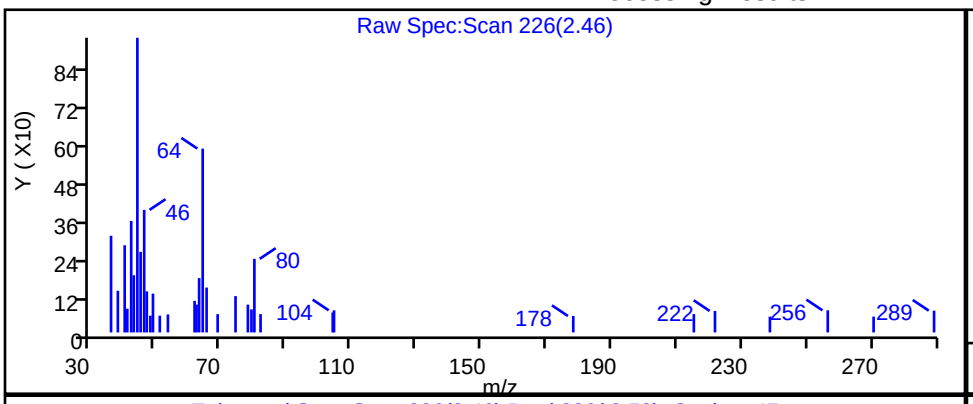
User Disabled Compound Report

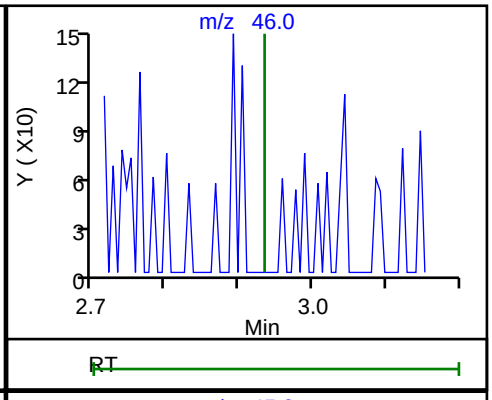
Eurofins TestAmerica, Edison

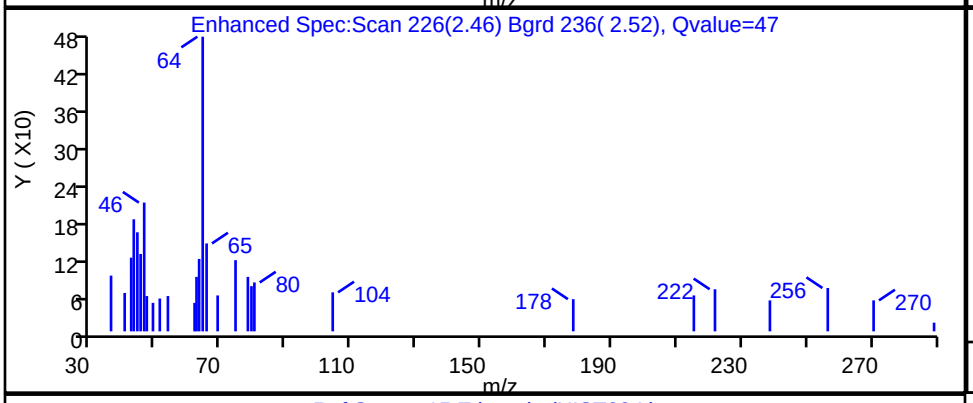
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

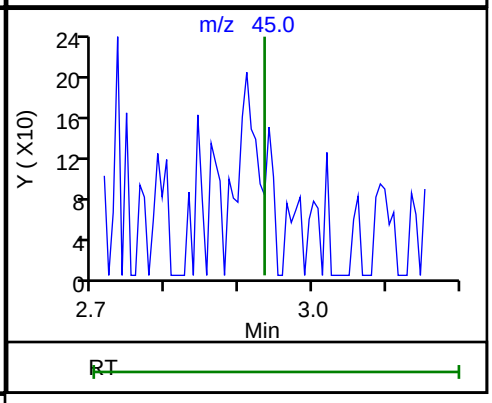
15 Ethanol, CAS: 64-17-5

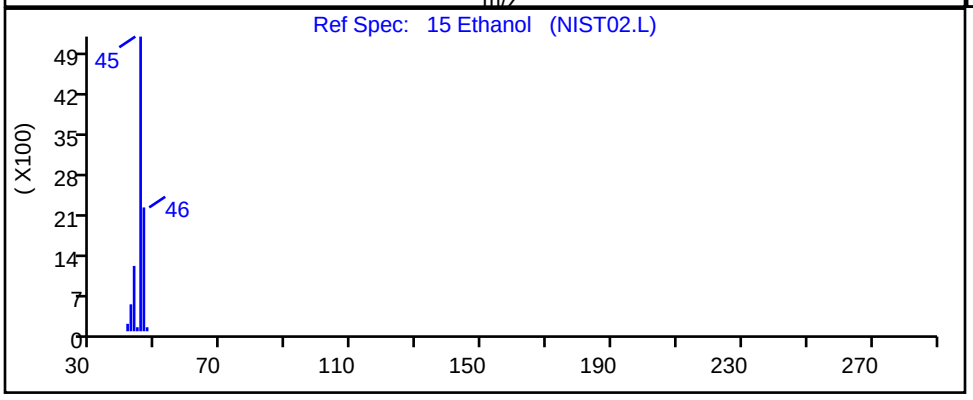
Processing Results











RT	Mass	Response	Amount
2.46	46.00	779	5.112007
2.46	45.00	272	

Reviewer: boykink, 11-Jun-2020 03:21:45
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

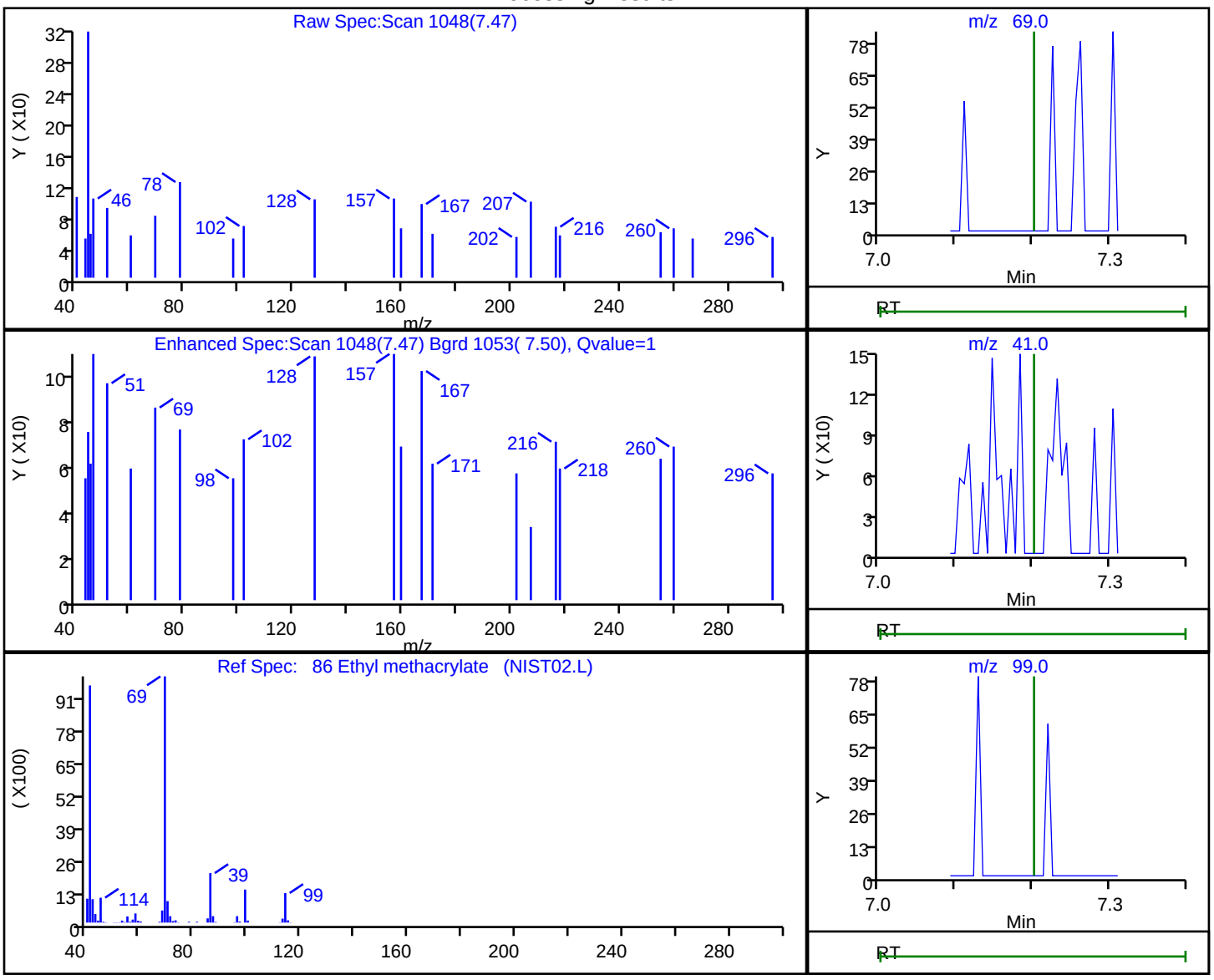
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

86 Ethyl methacrylate, CAS: 97-63-2

Processing Results



RT	Mass	Response	Amount
7.47	69.00	49	0.021337
7.48	41.00	52	
7.46	99.00	40	

Reviewer: boykink, 11-Jun-2020 03:22:19
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

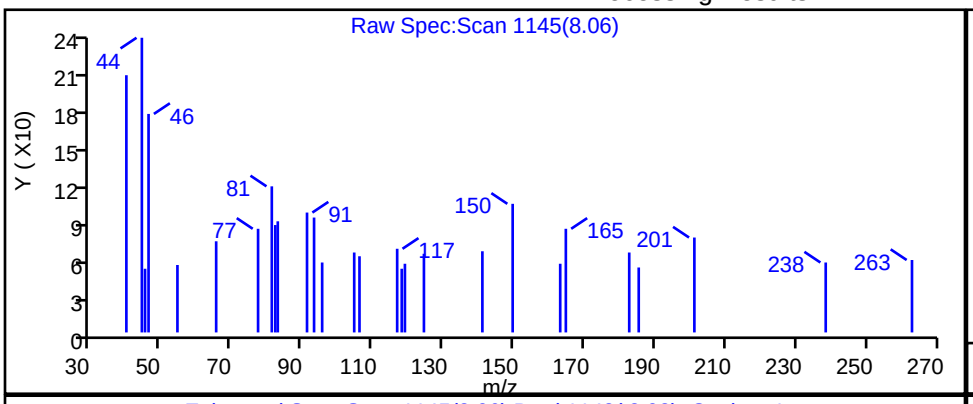
User Disabled Compound Report

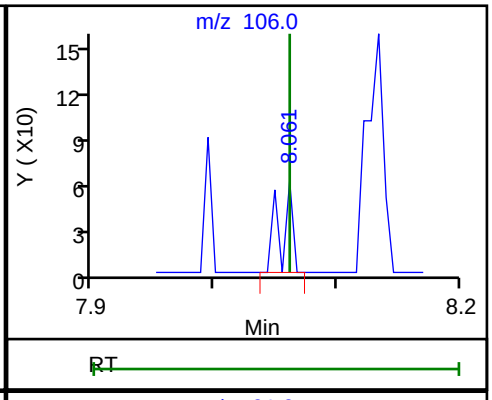
Eurofins TestAmerica, Edison

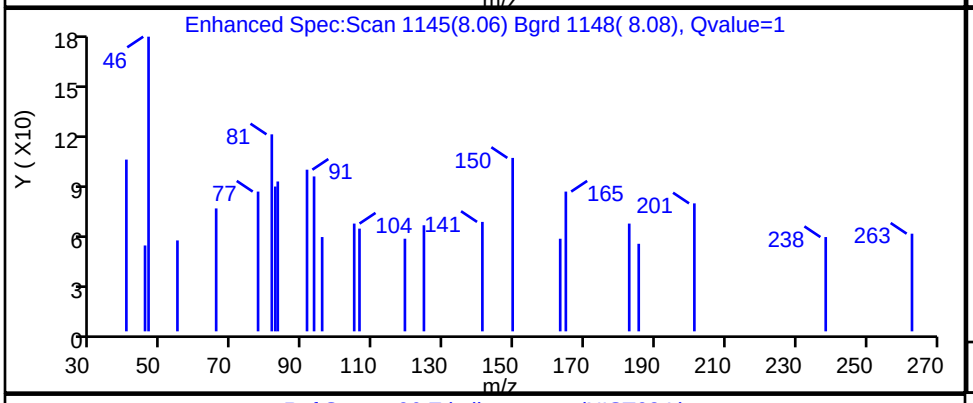
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

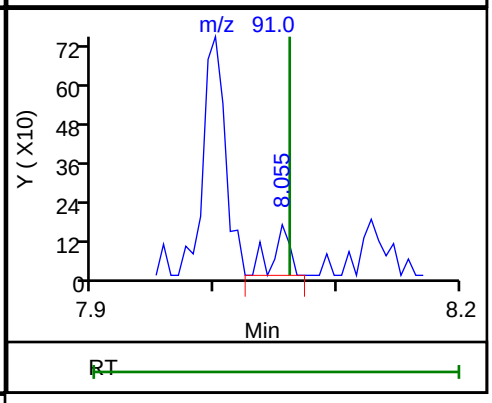
96 Ethylbenzene, CAS: 100-41-4

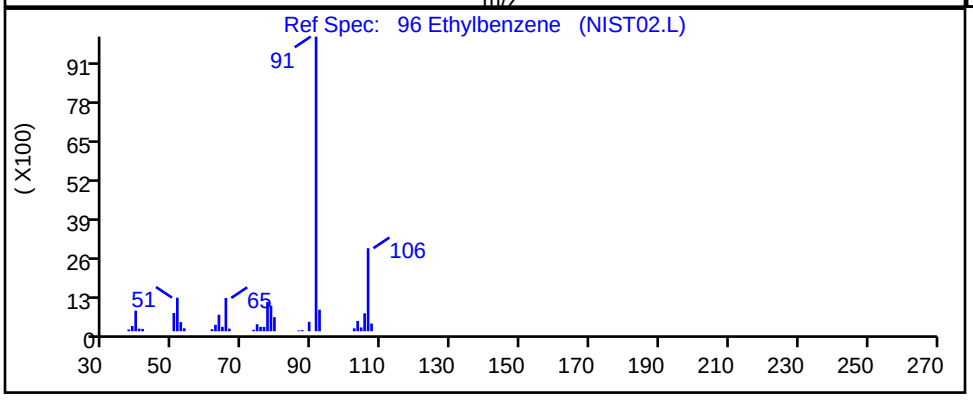
Processing Results











RT	Mass	Response	Amount
8.06	106.00	42	0.008628
8.05	91.00	150	

Reviewer: boykink, 11-Jun-2020 03:22:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

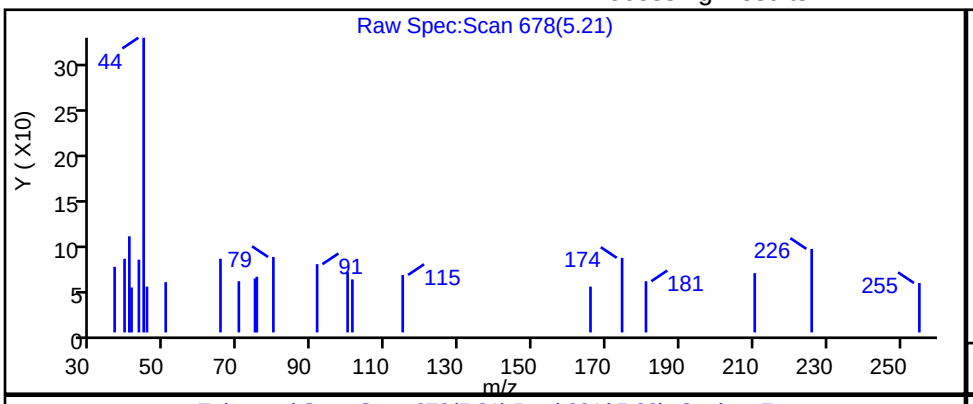
User Disabled Compound Report

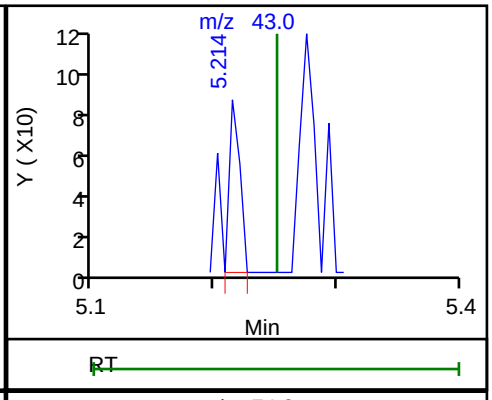
Eurofins TestAmerica, Edison

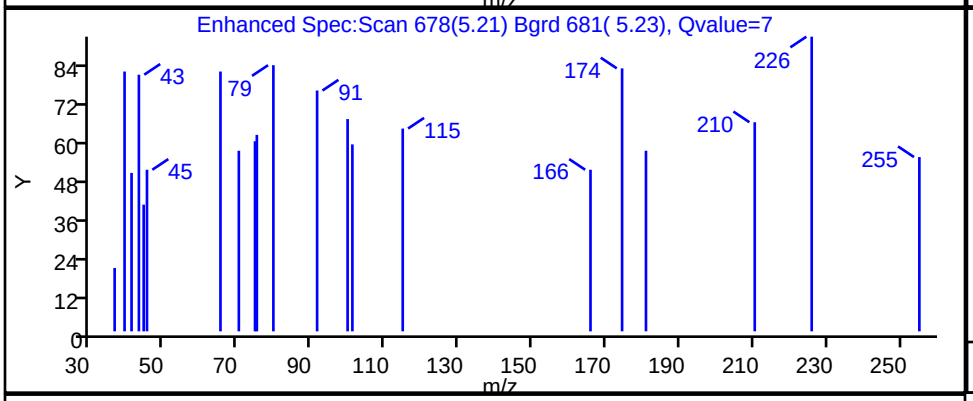
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D				
Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

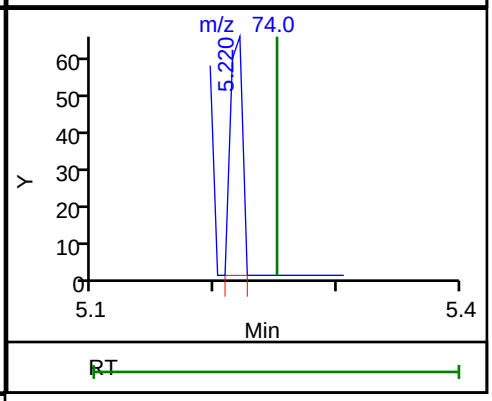
58 Isobutyl alcohol, CAS: 78-83-1

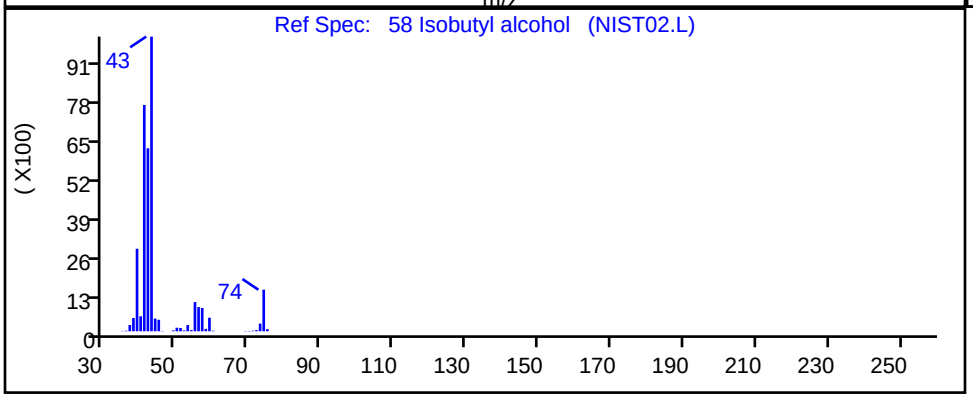
Processing Results











RT	Mass	Response	Amount
5.21	43.00	48	0.767191
5.22	74.00	46	

Reviewer: boykink, 11-Jun-2020 03:22:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

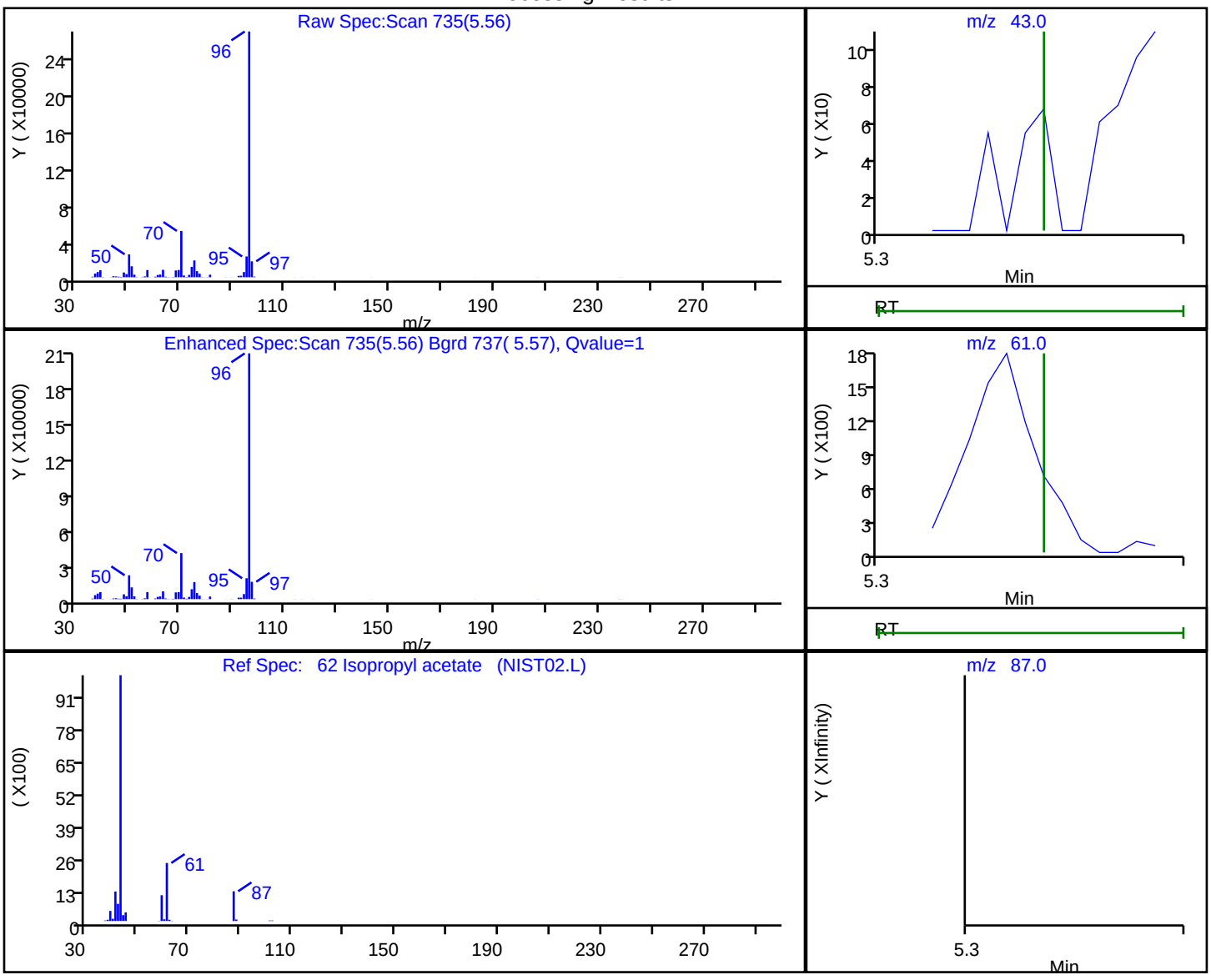
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

62 Isopropyl acetate, CAS: 108-21-4

Processing Results



RT	Mass	Response	Amount
5.56	43.00	83	0.011619
5.56	61.00	7215	
5.56	87.00	98	

Reviewer: boykink, 11-Jun-2020 03:22:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

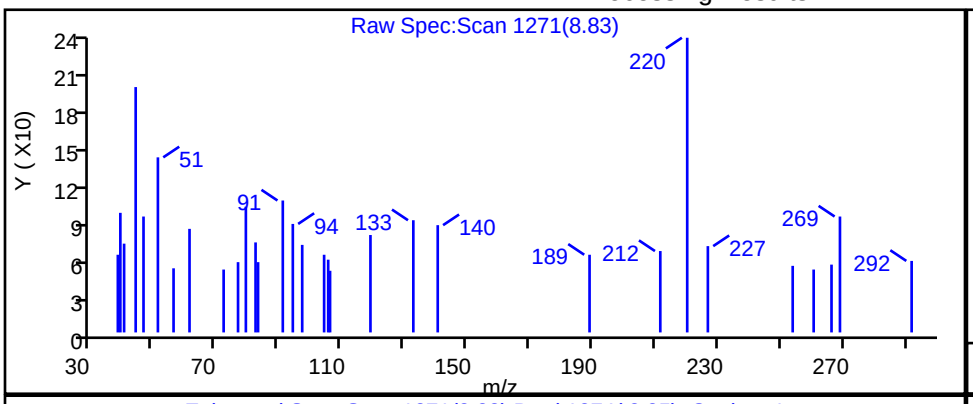
User Disabled Compound Report

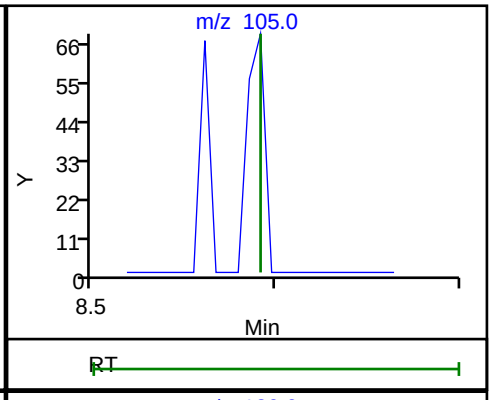
Eurofins TestAmerica, Edison

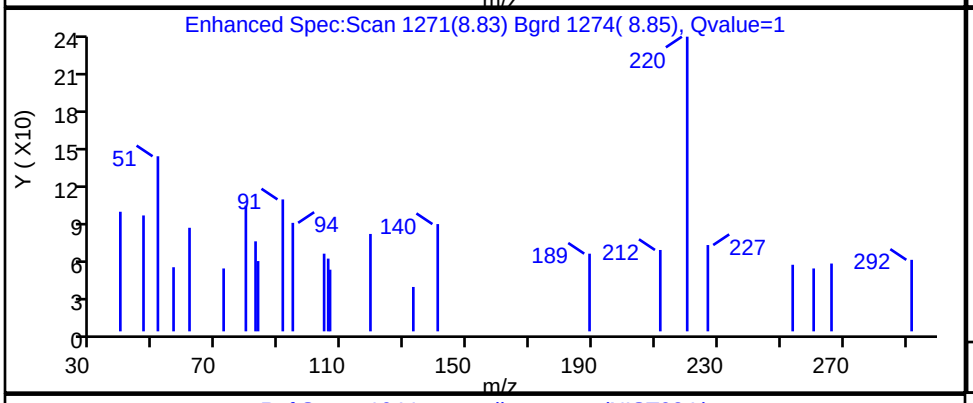
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

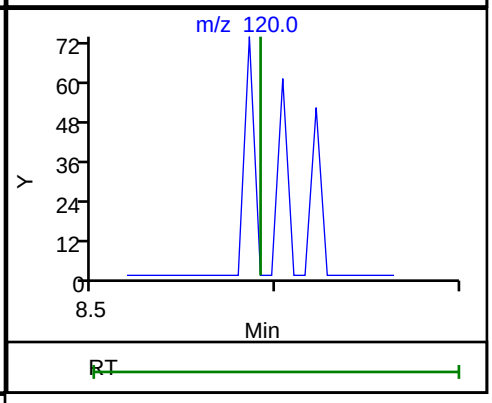
104 Isopropylbenzene, CAS: 98-82-8

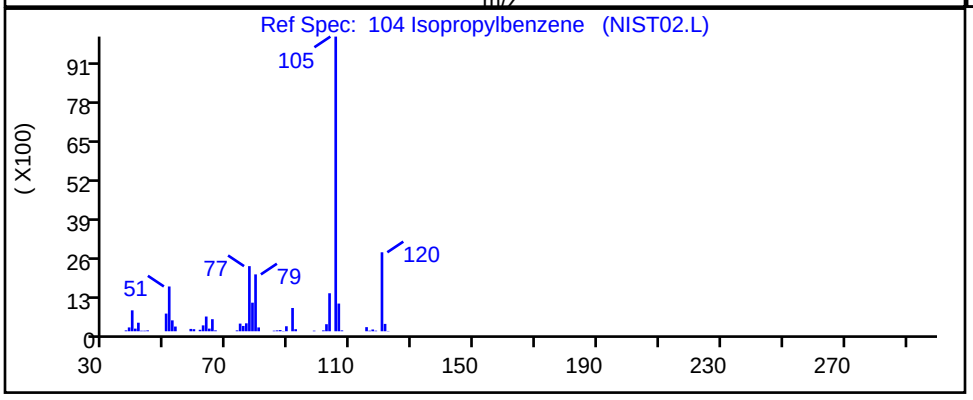
Processing Results











RT	Mass	Response	Amount
8.83	105.00	22	0.757436
8.84	120.00	22	

Reviewer: boykink, 11-Jun-2020 03:22:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

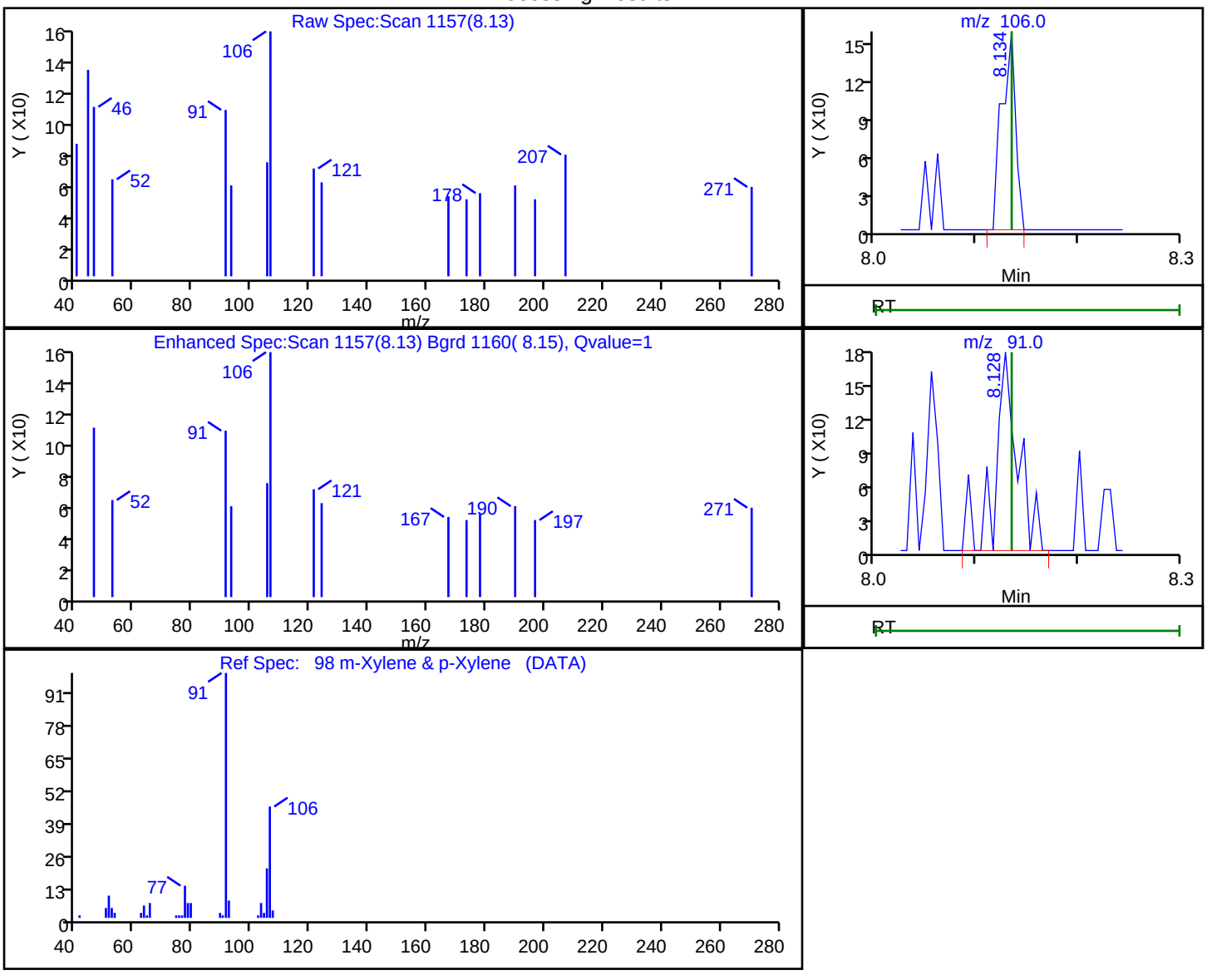
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

98 m-Xylene & p-Xylene, CAS: 179601-23-1

Processing Results



RT	Mass	Response	Amount
8.13	106.00	150	0.025447
8.13	91.00	275	

Reviewer: boykink, 11-Jun-2020 03:22:21
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

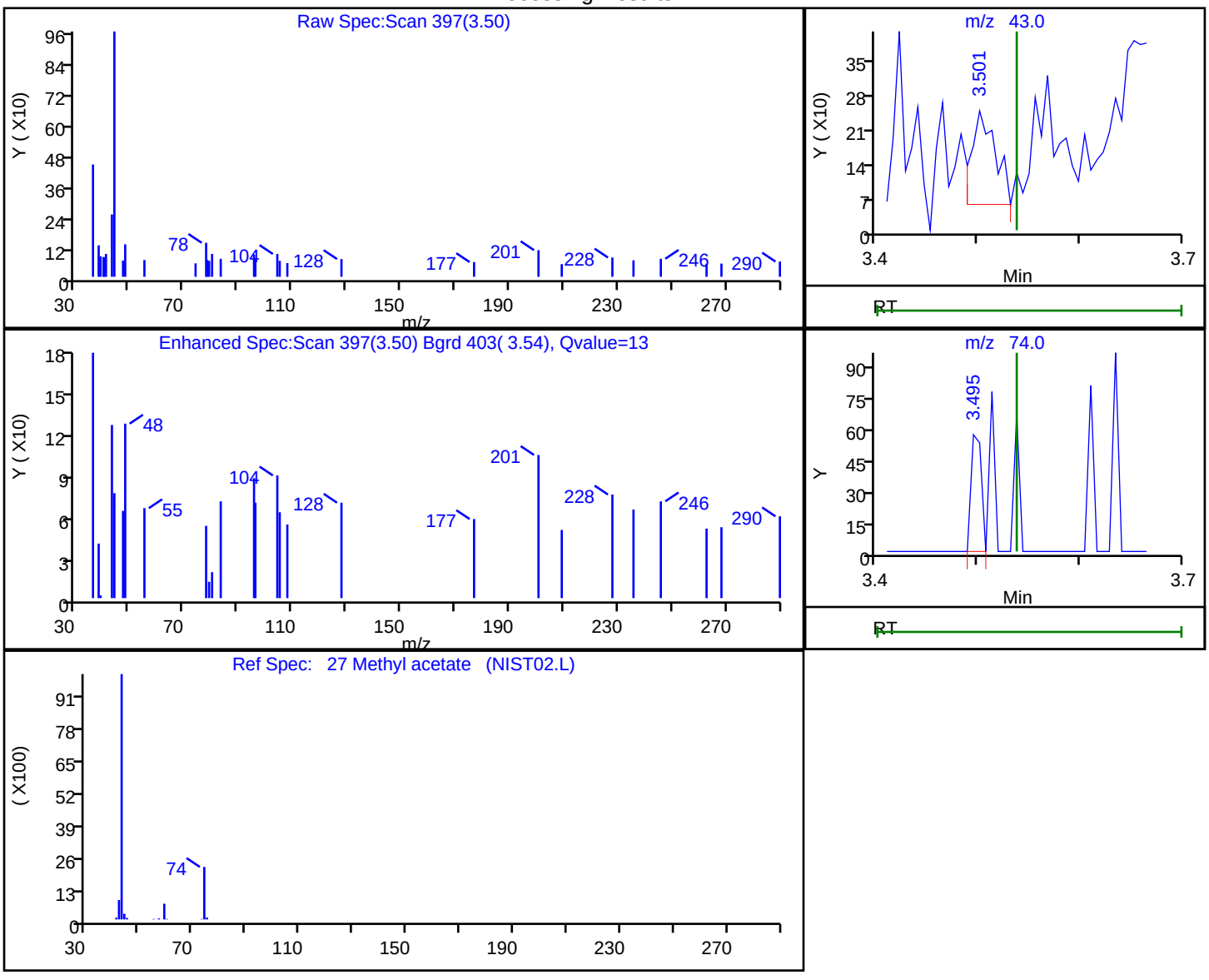
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

27 Methyl acetate, CAS: 79-20-9

Processing Results



RT	Mass	Response	Amount
3.50	43.00	313	0.119596
3.49	74.00	40	

Reviewer: boykink, 11-Jun-2020 03:21:53
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

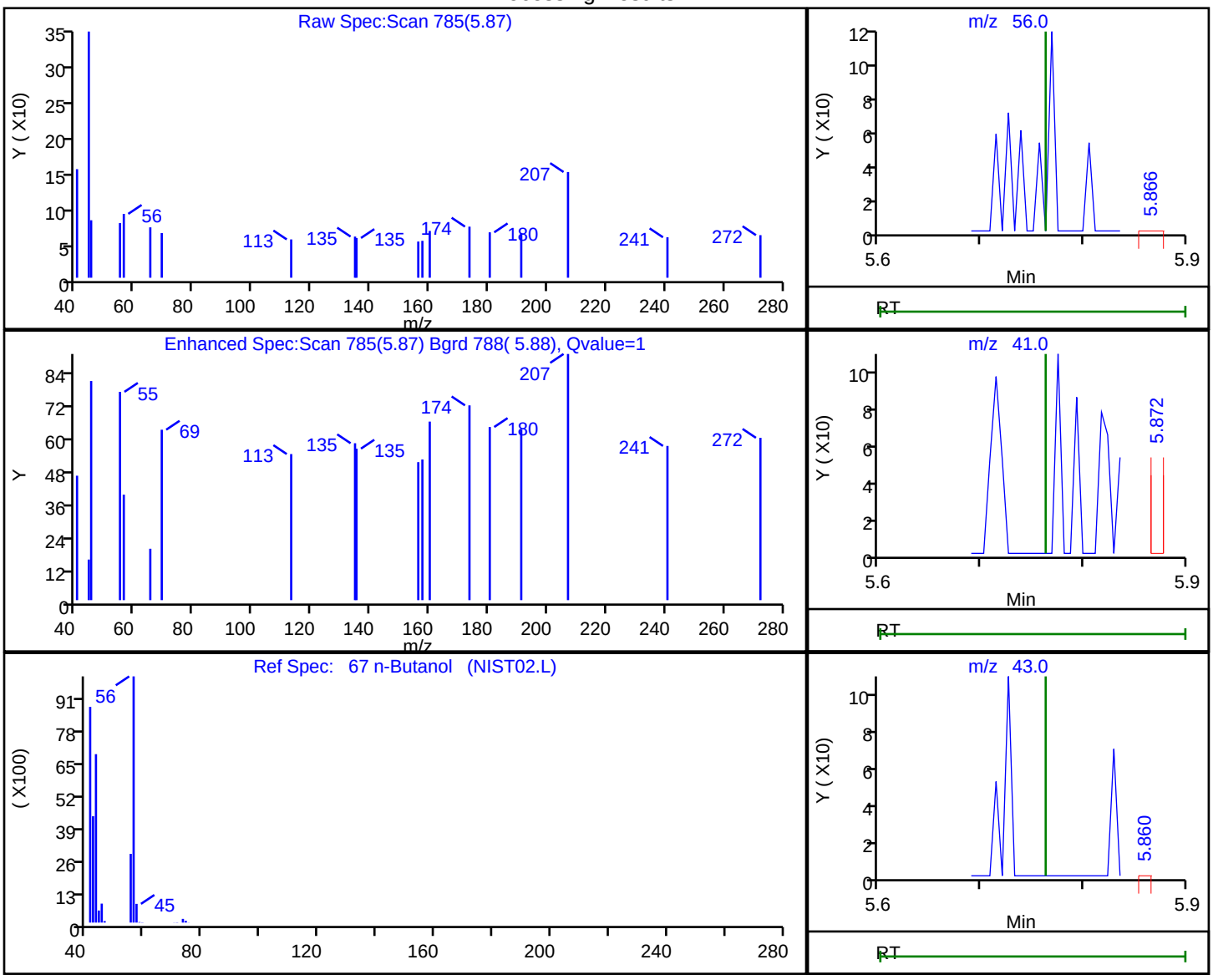
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D				
Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

67 n-Butanol, CAS: 71-36-3

Processing Results



RT	Mass	Response	Amount
5.87	56.00	33	1.309920
5.87	41.00	22	
5.86	43.00	91	

Reviewer: boykink, 11-Jun-2020 03:22:11

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

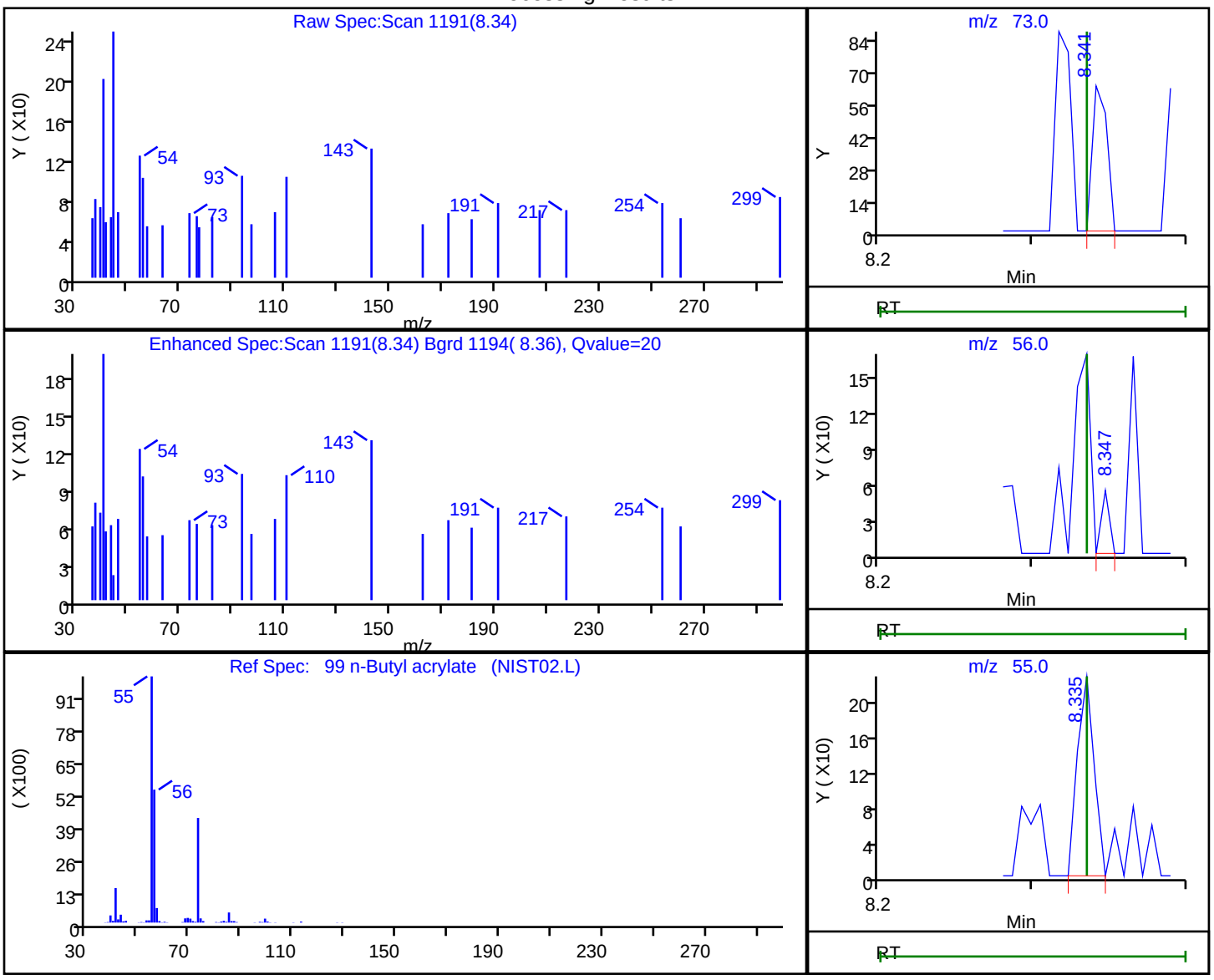
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

99 n-Butyl acrylate, CAS: 141-32-2

Processing Results



RT	Mass	Response	Amount
8.34	73.00	42	0.040798
8.35	56.00	19	
8.34	55.00	170	

Reviewer: boykink, 11-Jun-2020 03:22:24
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

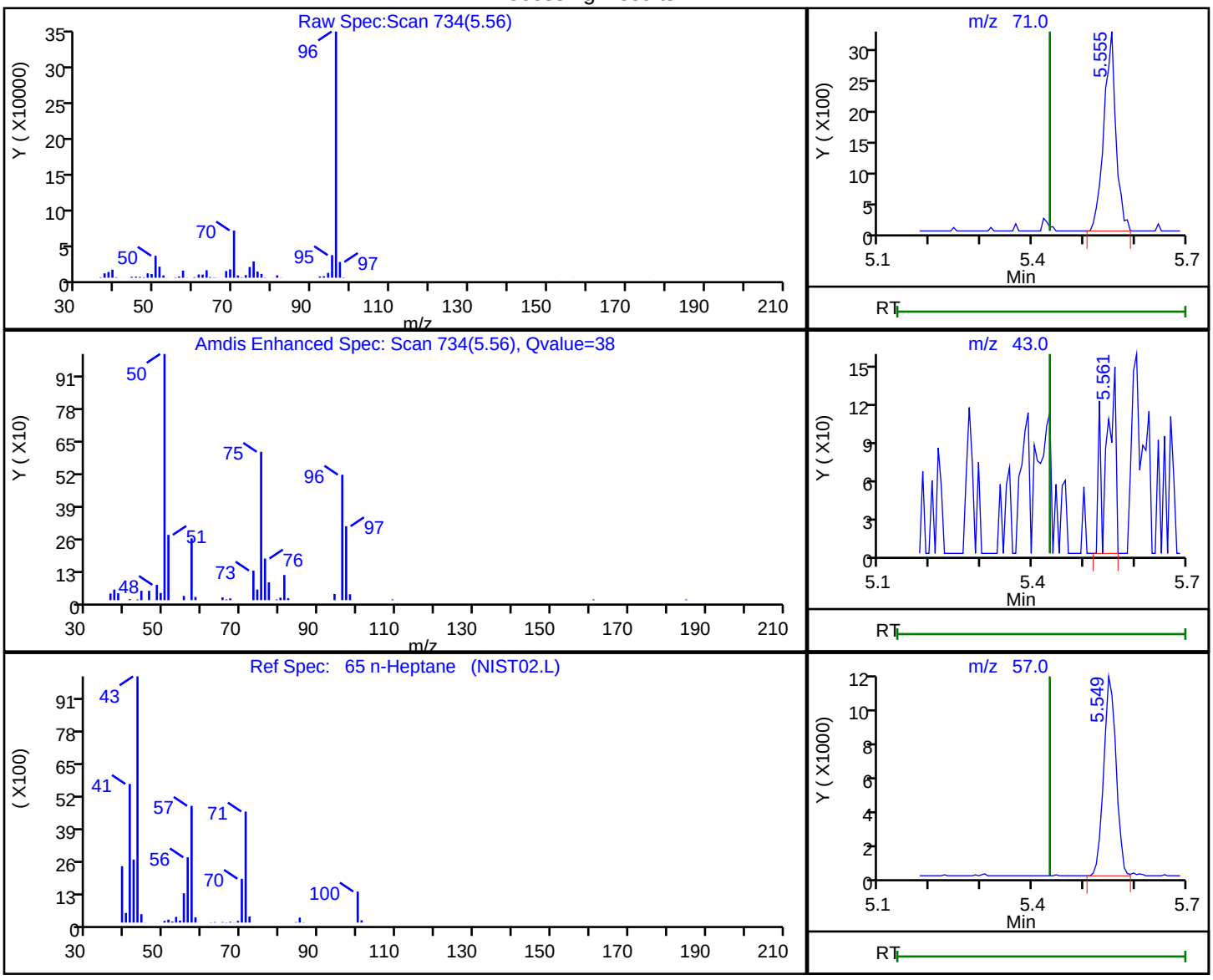
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

65 n-Heptane, CAS: 142-82-5

Processing Results



RT	Mass	Response	Amount
5.56	71.00	5348	1.170276
5.56	43.00	193	
5.55	57.00	18759	

Reviewer: boykink, 11-Jun-2020 03:22:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

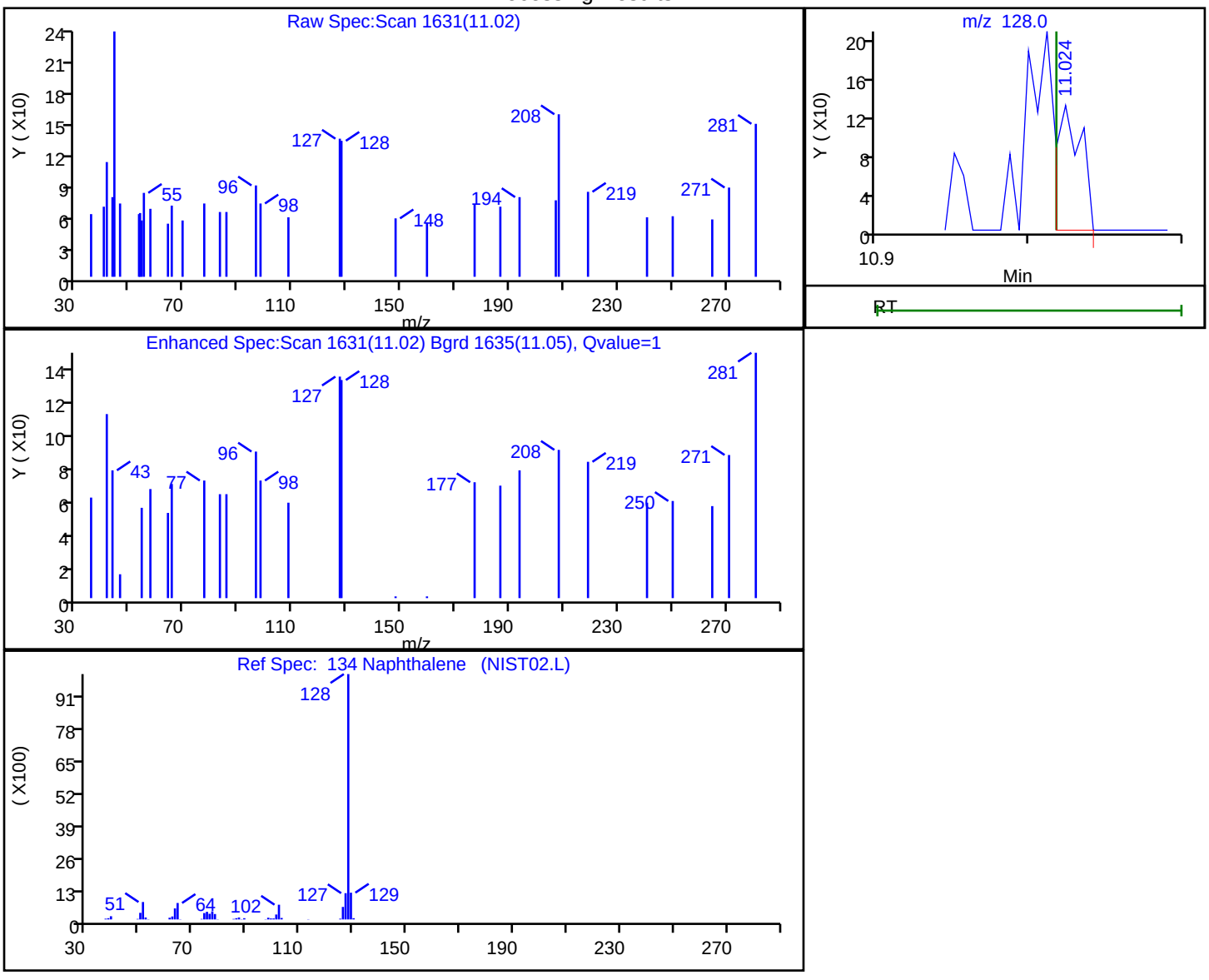
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D				
Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

134 Naphthalene, CAS: 91-20-3

Processing Results



RT	Mass	Response	Amount
11.02	128.00	144	0.018538

Reviewer: boykink, 11-Jun-2020 03:22:59

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

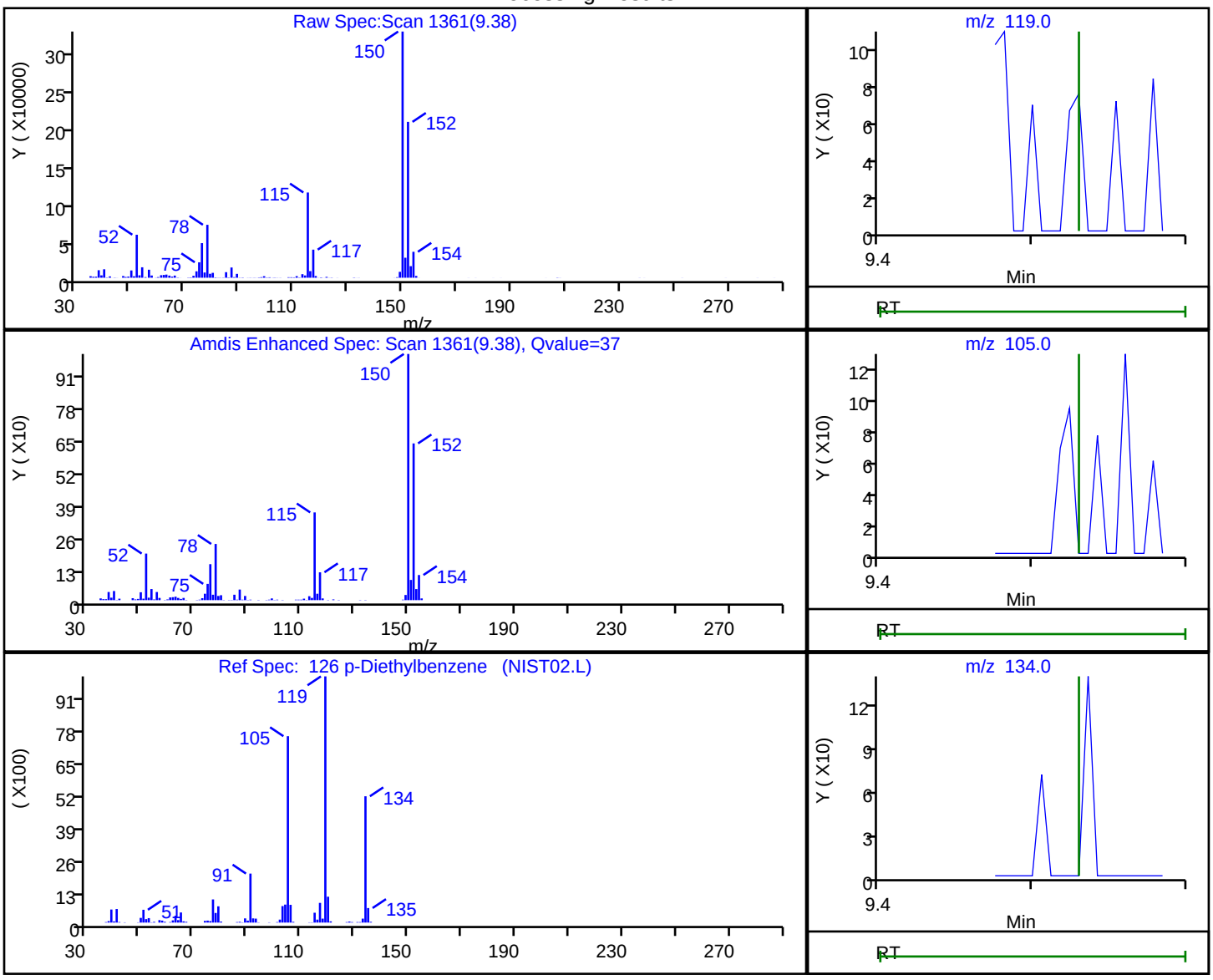
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D				
Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

126 p-Diethylbenzene, CAS: 105-05-5

Processing Results



RT	Mass	Response	Amount
9.38	119.00	83	0.009197
9.38	105.00	80	
9.37	134.00	180	

Reviewer: boykink, 11-Jun-2020 03:22:56

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

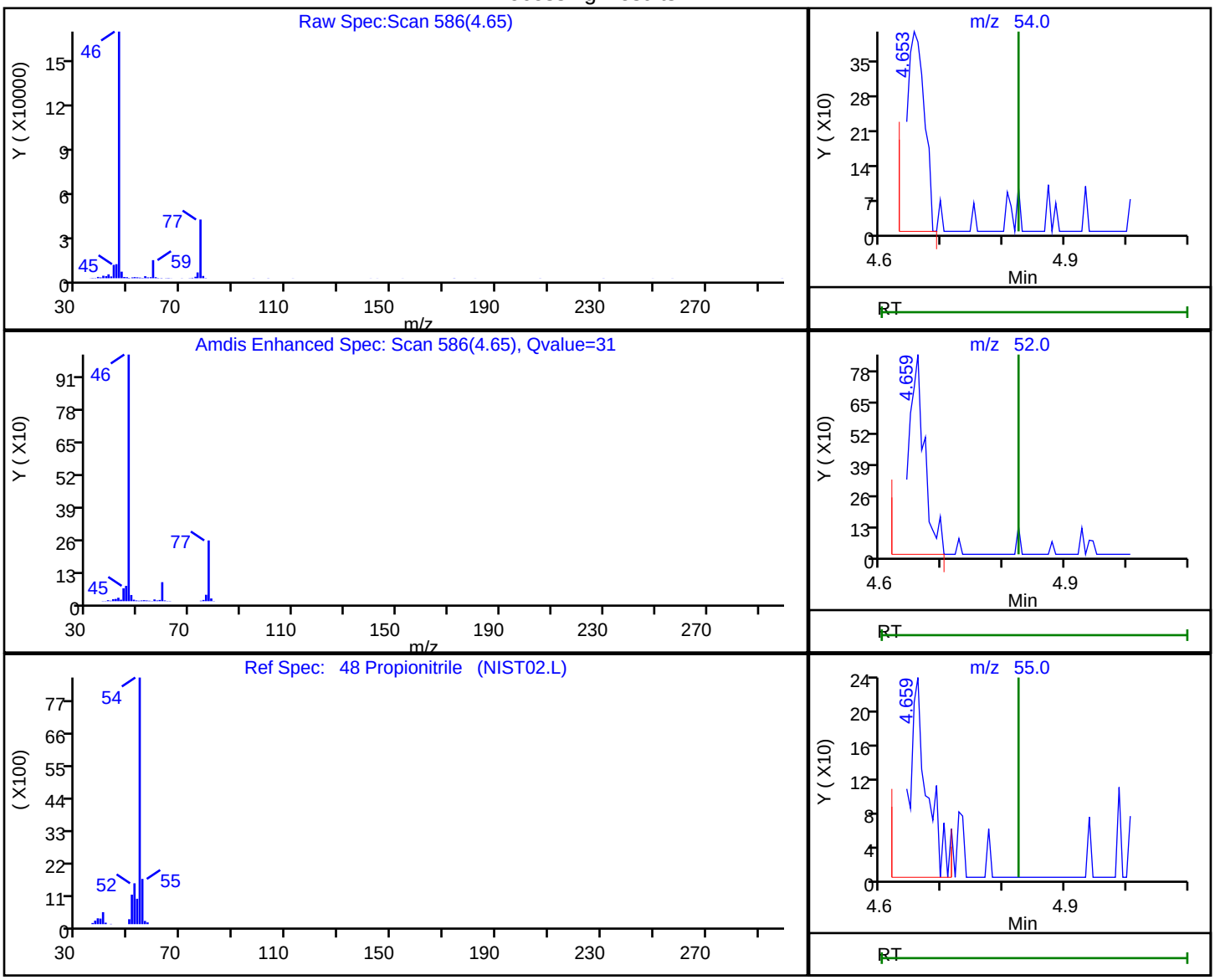
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.65	54.00	790	1.351237
4.66	52.00	1518	
4.66	55.00	476	

Reviewer: boykink, 11-Jun-2020 03:22:03
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

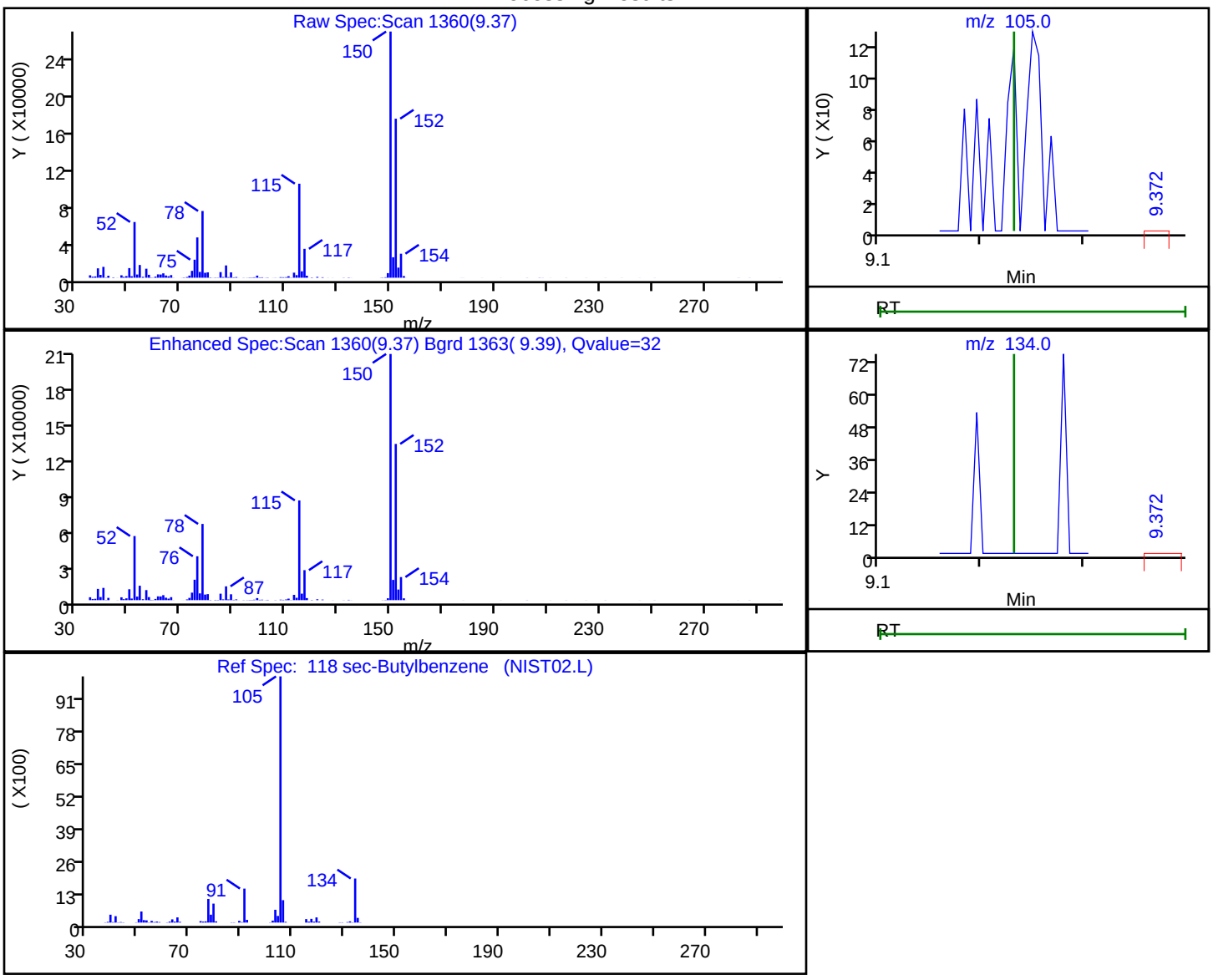
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

118 sec-Butylbenzene, CAS: 135-98-8

Processing Results



RT	Mass	Response	Amount
9.37	105.00	80	0.004754
9.37	134.00	180	

Reviewer: boykink, 11-Jun-2020 03:22:36
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

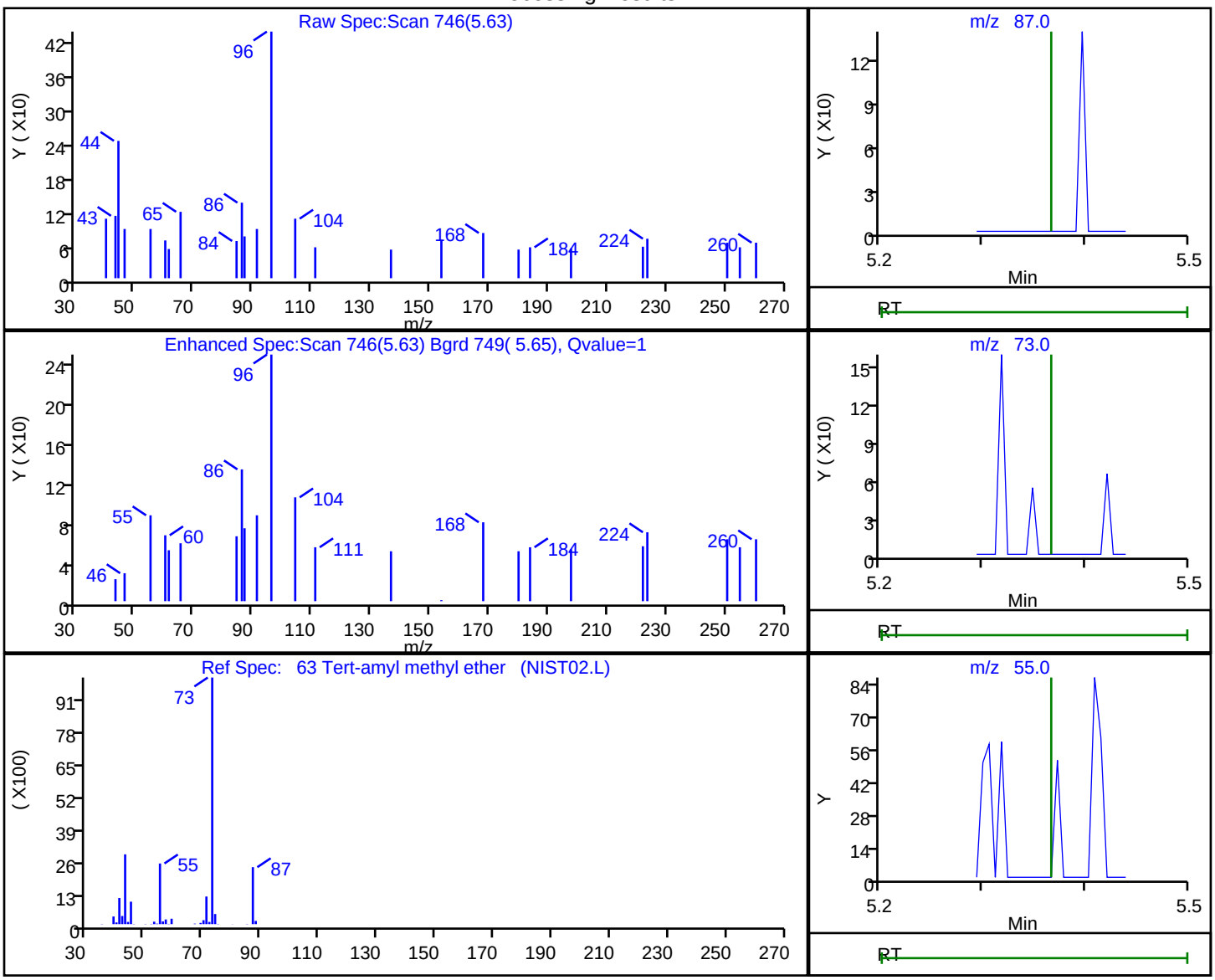
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

63 Tert-amyl methyl ether, CAS: 994-05-8

Processing Results



RT	Mass	Response	Amount
5.63	87.00	45	0.017183
5.62	73.00	48	
5.63	55.00	105	

Reviewer: boykink, 11-Jun-2020 03:22:06
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

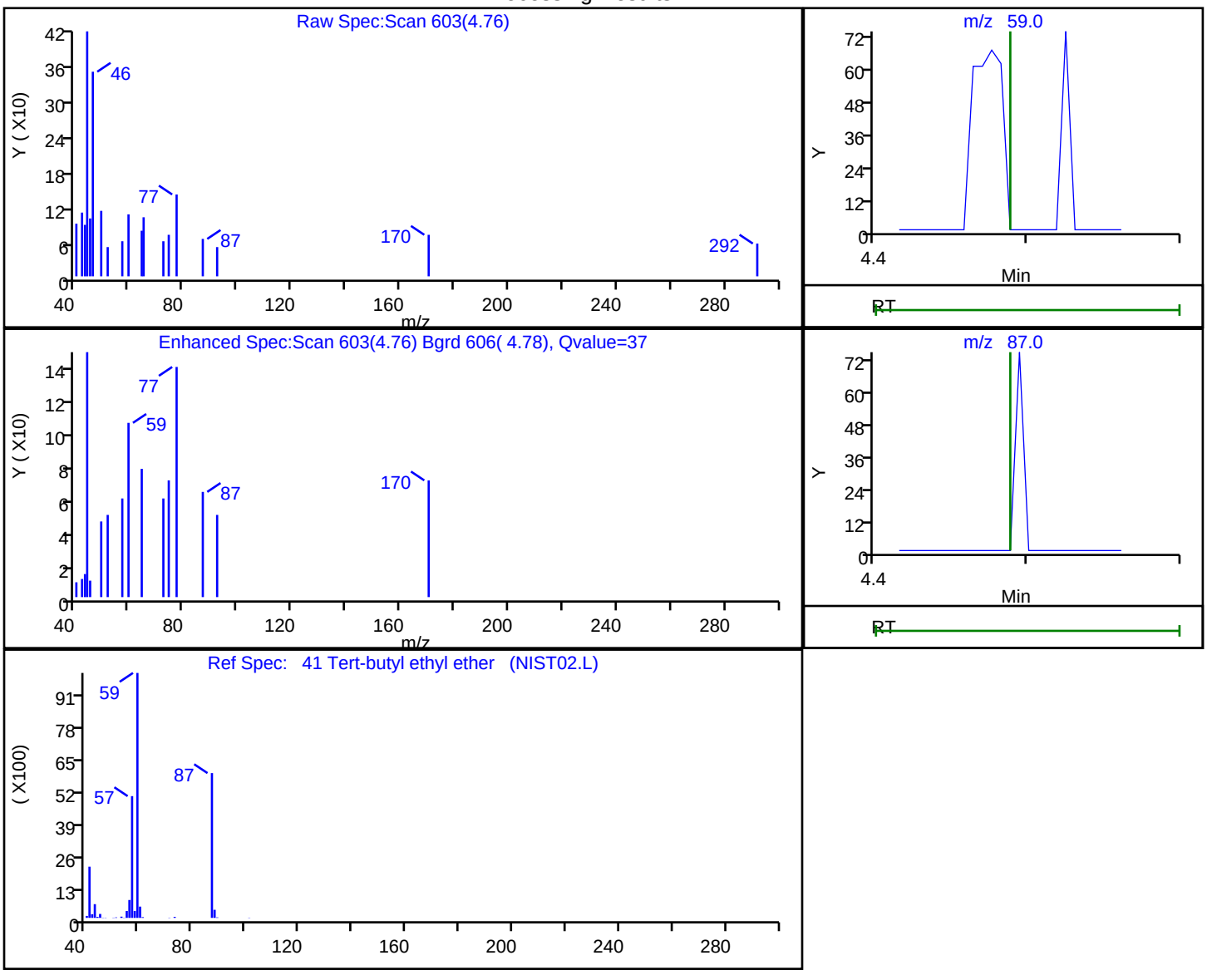
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

41 Tert-butyl ethyl ether, CAS: 637-92-3

Processing Results



RT	Mass	Response	Amount
4.76	59.00	39	0.004192
4.74	87.00	49	

Reviewer: boykink, 11-Jun-2020 03:21:57
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

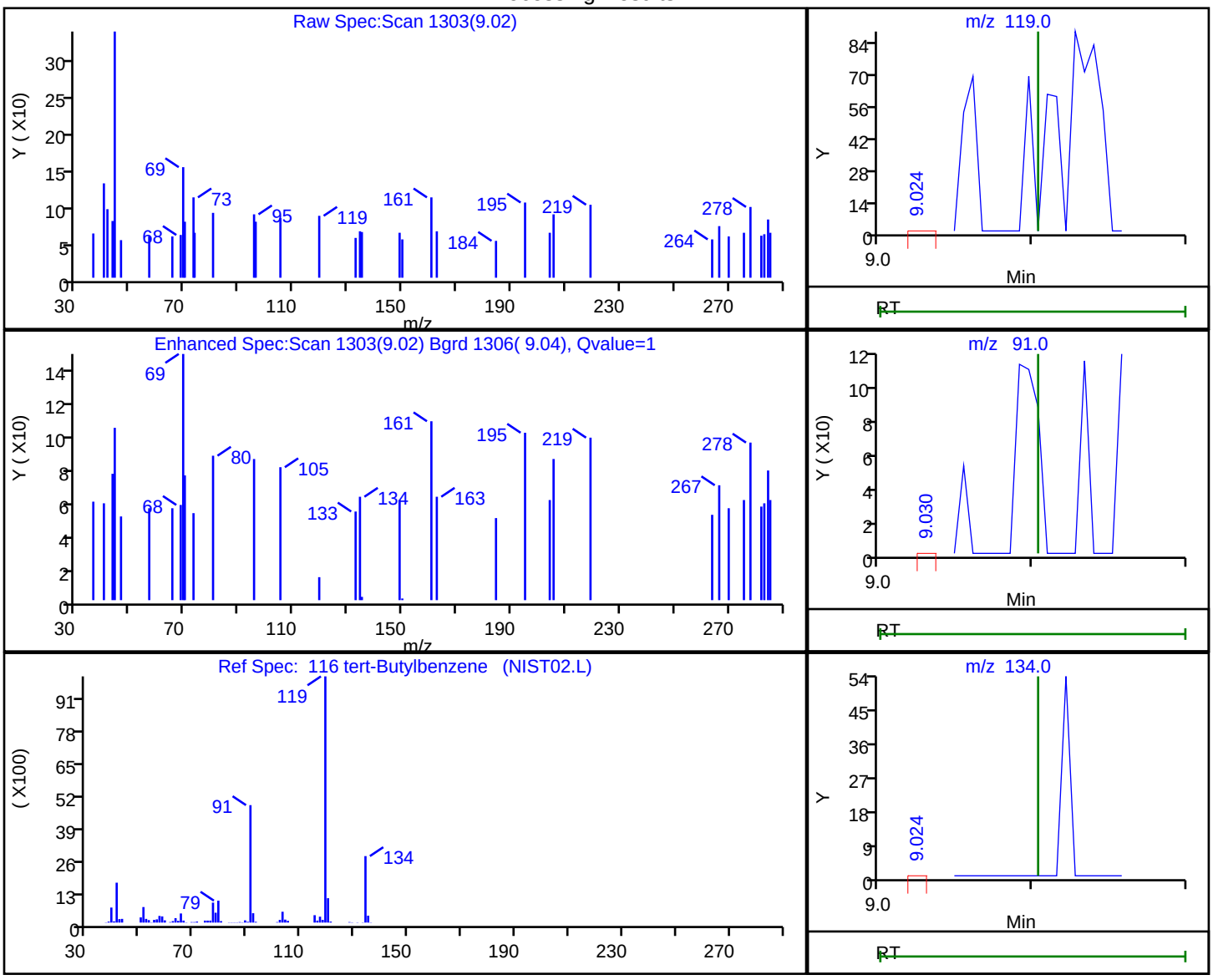
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D				
Injection Date:	11-Jun-2020 02:04:30	Instrument ID:	CVOAMS1		
Lims ID:	STD7				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

116 tert-Butylbenzene, CAS: 98-06-6

Processing Results



RT	Mass	Response	Amount
9.02	119.00	56	0.005555
9.03	91.00	38	
9.02	134.00	23	

Reviewer: boykink, 11-Jun-2020 03:22:34

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

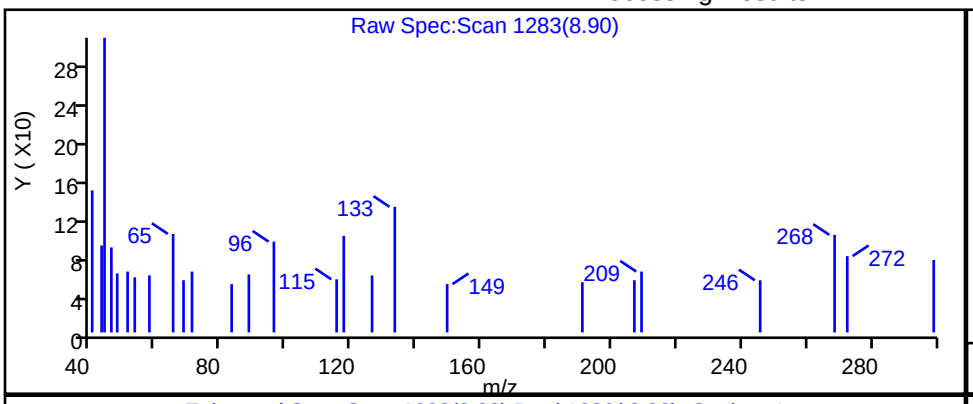
User Disabled Compound Report

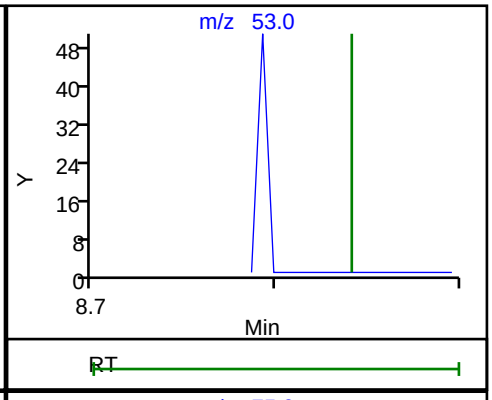
Eurofins TestAmerica, Edison

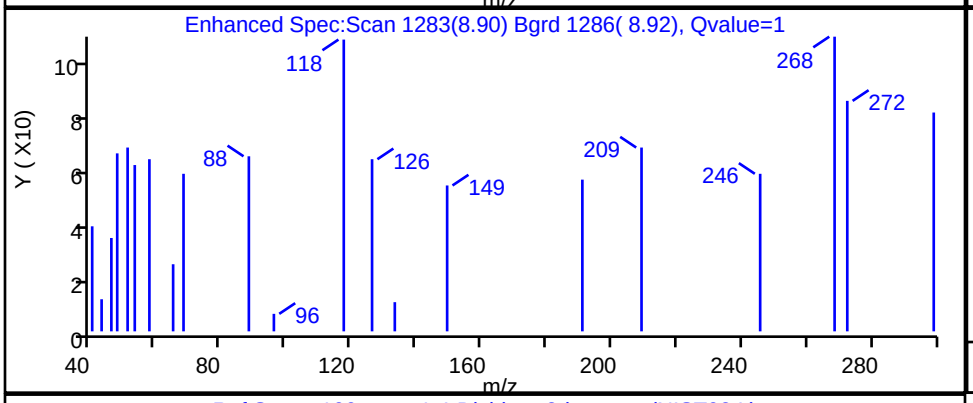
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Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

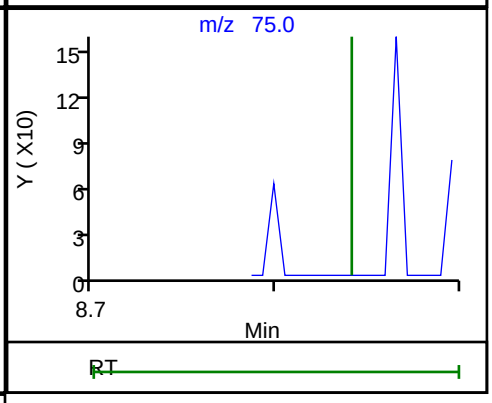
109 trans-1,4-Dichloro-2-butene, CAS: 110-57-6

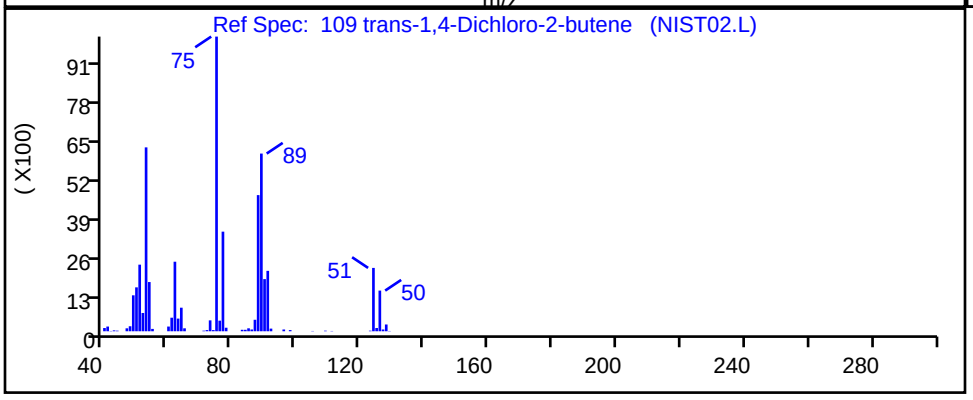
Processing Results











RT	Mass	Response	Amount
8.90	53.00	41	0.045753
8.91	75.00	27	

Reviewer: boykink, 11-Jun-2020 03:22:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

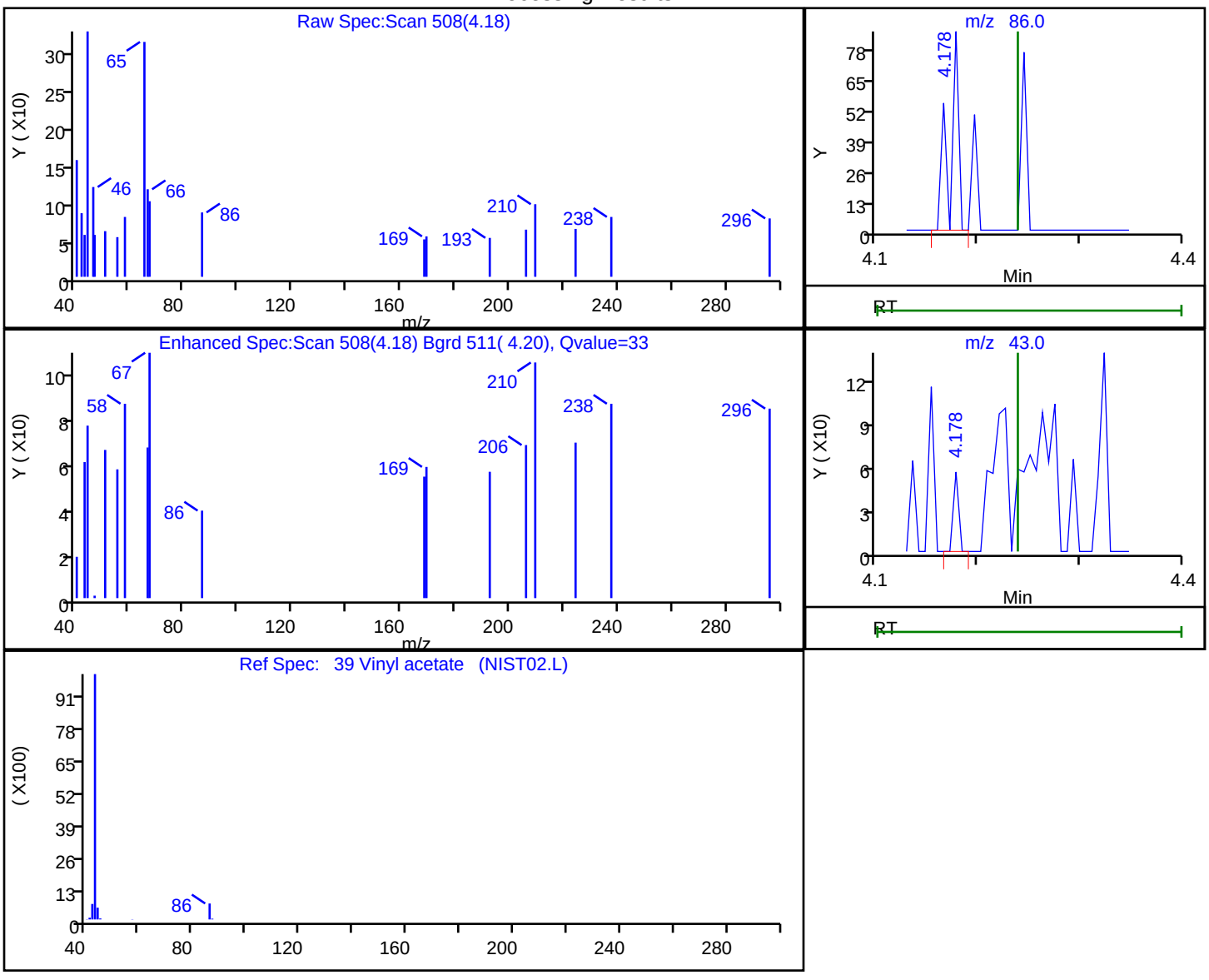
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Processing Results



RT	Mass	Response	Amount
4.18	86.00	52	0.111172
4.18	43.00	20	

Reviewer: boykink, 11-Jun-2020 03:21:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

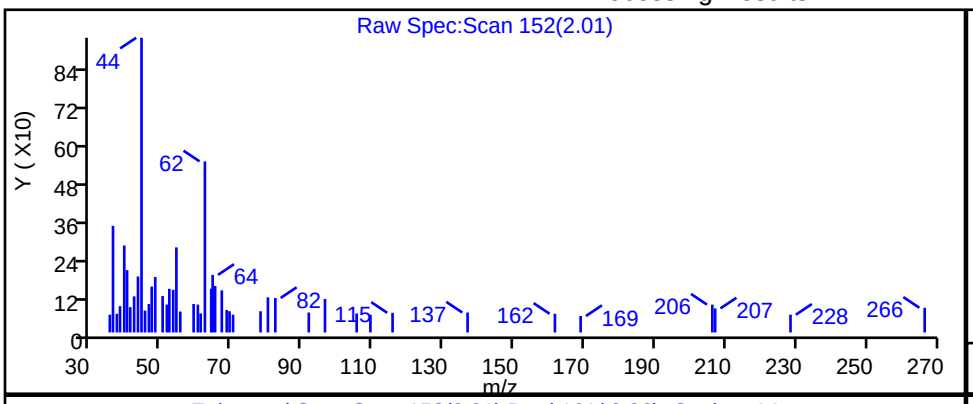
User Disabled Compound Report

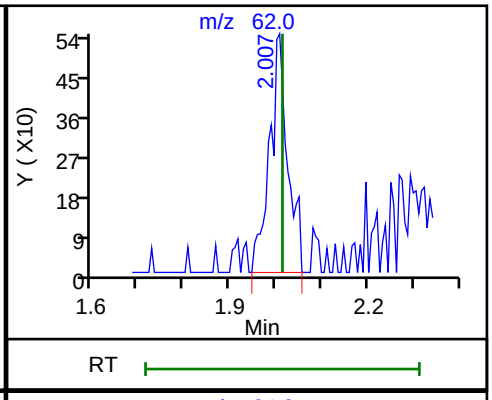
Eurofins TestAmerica, Edison

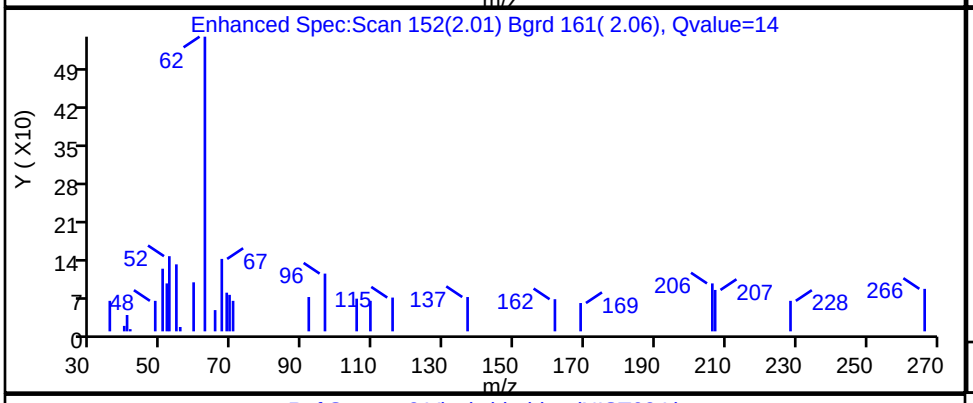
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89503.D
Injection Date: 11-Jun-2020 02:04:30 Instrument ID: CVOAMS1
Lims ID: STD7
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

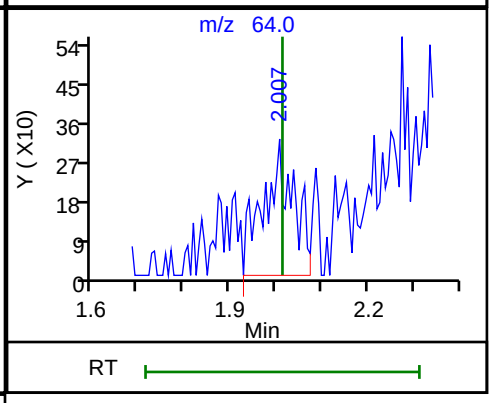
8 Vinyl chloride, CAS: 75-01-4

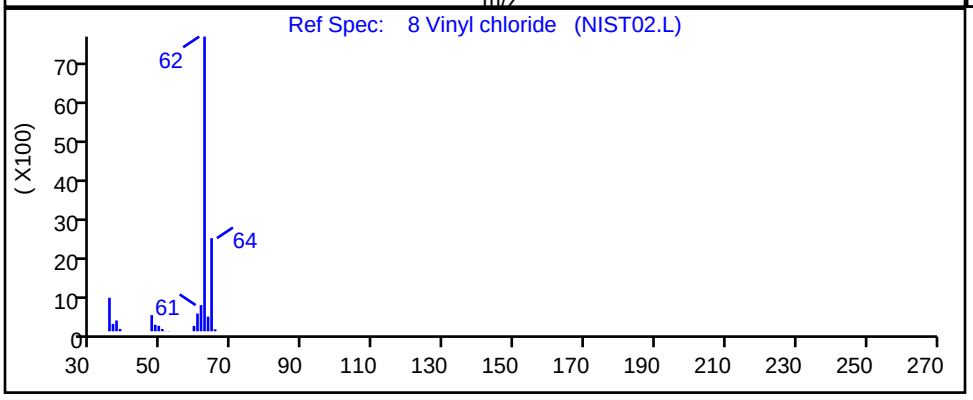
Processing Results











RT	Mass	Response	Amount
2.01	62.00	1479	0.250000
2.01	64.00	1447	

Reviewer: boykink, 11-Jun-2020 02:38:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 11-Jun-2020 02:28:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0111447-004
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Jun-2020 18:46:00 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: boykink Date: 11-Jun-2020 02:55:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.635	1.654	-0.019	65	1731	1.00	1.08	M
3 1,1-Difluoroethane	51	1.654	1.660	-0.006	77	4513	1.00	1.19	M
4 Dichlorodifluoromethane	85	1.696	1.696	0.000	62	4757	1.00	0.9077	a
5 Chlorodifluoromethane	51	1.715	1.715	0.000	63	5266	1.00	1.12	
6 Chloromethane	50	1.910	1.904	0.006	98	6949	1.00	1.11	
8 Vinyl chloride	62	2.013	2.013	0.000	97	7169	1.00	1.19	
7 Butadiene	39	2.038	2.026	0.012	77	5333	1.00	1.07	a
9 Bromomethane	94	2.367	2.367	0.000	90	5159	1.00	1.25	
10 Chloroethane	64	2.465	2.458	0.006	72	3868	1.00	1.15	M
11 Dichlorofluoromethane	67	2.684	2.684	0.000	90	8977	1.00	1.21	
12 Trichlorofluoromethane	101	2.708	2.702	0.006	65	5947	1.00	1.08	M
13 Pentane	72	2.714	2.714	0.000	98	1467	2.00	2.19	
15 Ethanol	46	2.952	2.934	0.018	79	1107	40.0	50.5	
14 Ethyl ether	59	2.946	2.946	0.000	87	3765	1.00	1.27	
16 2-Methyl-1,3-butadiene	53	2.964	2.971	-0.007	93	4088	1.00	1.20	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.007	3.013	-0.006	70	3238	1.00	0.9620	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.086	3.080	0.006	42	6472	1.00	1.14	a
19 Acrolein	56	3.147	3.135	0.012	53	837	4.00	5.57	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.153	3.160	-0.007	79	3758	1.00	0.99	
21 1,1-Dichloroethene	96	3.172	3.184	-0.012	90	3491	1.00	0.9756	a
22 Acetone	58	3.275	3.275	0.000	88	2691	5.00	6.62	
23 Iodomethane	142	3.348	3.355	-0.007	99	7326	1.00	1.12	
24 Carbon disulfide	76	3.391	3.385	0.006	99	15072	1.00	1.08	a
25 Isopropyl alcohol	45	3.391	3.385	0.006	33	3534	10.0	18.4	a
26 3-Chloro-1-propene	76	3.525	3.525	0.000	97	3211	1.00	1.26	
27 Methyl acetate	43	3.537	3.537	0.000	83	5836	2.00	2.36	
28 Cyclopentene	67	3.537	3.544	-0.007	94	10803	1.00	1.14	
29 Acetonitrile	41	3.592	3.598	-0.006	91	5528	10.0	12.5	
* 31 TBA-d9 (IS)	65	3.665	3.659	0.006	36	282805	1000.0	1000.0	
30 Methylene Chloride	84	3.659	3.659	0.000	33	5151	1.00	1.18	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.720	3.733	-0.013	30	3687	10.0	13.6	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	96	9621	1.00	1.17	
34 trans-1,2-Dichloroethene	96	3.848	3.842	0.006	93	4481	1.00	1.20	
35 Acrylonitrile	53	3.915	3.915	0.000	94	16059	10.0	11.7	
36 Hexane	43	3.995	3.995	0.000	89	2840	1.00	0.9785	
37 Isopropyl ether	45	4.196	4.196	0.000	97	12999	1.00	1.19	
38 1,1-Dichloroethane	63	4.226	4.232	-0.006	97	7460	1.00	1.21	
39 Vinyl acetate	86	4.251	4.239	0.012	15	1027	2.00	2.18	a
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	88	3331	1.00	1.10	
41 Tert-butyl ethyl ether	59	4.476	4.489	-0.013	88	10405	1.00	1.20	
* 42 2-Butanone-d5	46	4.659	4.653	0.006	86	317467	250.0	250.0	
43 2,2-Dichloropropane	97	4.696	4.690	0.006	47	1003	1.00	1.17	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	77	4796	1.00	1.22	
45 Ethyl acetate	70	4.702	4.708	-0.006	91	844	2.00	2.75	
46 2-Butanone (MEK)	72	4.714	4.708	0.006	97	2083	5.00	5.36	
47 Methyl acrylate	55	4.757	4.751	0.006	96	2706	1.00	1.10	
48 Propionitrile	54	4.824	4.824	0.000	97	5713	10.0	11.9	
49 Chlorobromomethane	128	4.897	4.891	0.006	36	2259	1.00	1.22	
50 Tetrahydrofuran	72	4.897	4.891	0.006	36	984	2.00	2.26	
51 Methacrylonitrile	67	4.903	4.909	-0.006	92	15580	10.0	11.5	
52 Chloroform	83	4.927	4.927	0.000	98	6377	1.00	1.15	
53 Cyclohexane	56	5.043	5.043	0.000	31	6617	1.00	1.04	
$ 54 Dibromofluoromethane (Surr)	113	5.055	5.055	0.000	97	139127	50.0	49.2	
55 1,1,1-Trichloroethane	97	5.062	5.055	0.007	36	4274	1.00	1.06	
56 Carbon tetrachloride	117	5.165	5.153	0.012	89	2600	1.00	1.02	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	97	5187	1.00	1.18	
58 Isobutyl alcohol	43	5.251	5.251	0.000	4	1859	25.0	30.7	
59 Isooctane	57	5.299	5.299	0.000	96	10483	1.00	0.9336	
60 Benzene	78	5.330	5.336	-0.006	96	15433	1.00	1.22	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	87	157779	50.0	48.8	
62 Isopropyl acetate	43	5.360	5.354	0.006	58	8134	1.00	1.02	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	91	2882	1.00	1.10	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	95	4392	1.00	1.13	
65 n-Heptane	71	5.427	5.433	-0.006	90	4490	1.00	1.09	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	607497	50.0	50.0	
67 n-Butanol	56	5.775	5.763	0.012	64	758	25.0	20.6	a
68 Trichloroethene	95	5.836	5.842	-0.006	97	4135	1.00	1.25	
70 Ethyl acrylate	55	5.915	5.915	0.000	1	3605	1.00	1.06	M
69 Methylcyclohexane	83	5.952	5.952	0.000	84	6454	1.00	1.05	
71 1,2-Dichloropropane	63	6.086	6.092	-0.006	70	3855	1.00	1.15	a
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	31	35783	1000.0	1000.0	
73 Methyl methacrylate	100	6.135	6.128	0.007	44	1303	2.00	1.87	
74 n-Propyl acetate	43	6.159	6.165	-0.006	97	3378	1.00	0.9696	
76 1,4-Dioxane	88	6.171	6.177	-0.006	39	2353	50.0	61.4	
75 Dibromomethane	93	6.202	6.202	0.000	92	2336	1.00	1.19	
77 Dichlorobromomethane	83	6.324	6.330	-0.006	98	2998	1.00	0.9509	
78 2-Chloroethyl vinyl ether	63	6.592	6.598	-0.006	98	2012	1.00	1.04	
79 2-Nitropropane	41	6.616	6.610	0.006	61	914	2.00	2.03	a
80 Epichlorohydrin	57	6.695	6.701	-0.006	99	5984	20.0	23.3	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	90	3822	1.00	1.01	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	96	14651	5.00	5.18	
$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	100	520497	50.0	50.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.982	6.982	0.000	91	15657	1.00	1.25	
86 Ethyl methacrylate	69	7.201	7.201	0.000	82	2414	1.00	0.6698	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	89	2612	1.00	0.9500	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	91	2179	1.00	1.02	
88 Tetrachloroethene	166	7.384	7.390	-0.006	86	3427	1.00	1.17	
89 1,3-Dichloropropane	76	7.482	7.476	0.006	90	4807	1.00	1.09	
90 2-Hexanone	43	7.494	7.494	0.000	92	9520	5.00	5.25	
91 n-Butyl acetate	73	7.543	7.543	0.000	97	488	1.00	0.7390	
92 Chlorodibromomethane	129	7.616	7.622	-0.006	96	1867	1.00	1.07	
93 Ethylene Dibromide	107	7.720	7.720	0.000	97	2191	1.00	0.99	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	85	408909	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	96	9167	1.00	1.19	
96 Ethylbenzene	106	8.061	8.061	0.000	97	5356	1.00	1.18	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	75	1868	1.00	1.03	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	6231	1.00	1.13	
99 n-Butyl acrylate	73	8.335	8.335	0.000	97	1005	1.00	0.5773	
100 o-Xylene	106	8.384	8.384	0.000	93	6018	1.00	1.08	
101 Styrene	104	8.402	8.402	0.000	94	9506	1.00	1.10	
102 Amyl acetate (mixed isomers)	43	8.463	8.469	-0.006	89	2858	1.00	0.5816	
103 Bromoform	173	8.543	8.543	0.000	88	827	1.00	1.01	
104 Isopropylbenzene	105	8.591	8.591	0.000	96	16187	1.00	1.10	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	89	151212	50.0	50.6	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	78	3964	1.00	1.10	
107 Bromobenzene	156	8.811	8.811	0.000	96	3960	1.00	1.12	
108 N-Propylbenzene	91	8.829	8.829	0.000	99	19758	1.00	1.10	
109 trans-1,4-Dichloro-2-butene	53	8.835	8.841	-0.006	69	1007	1.00	1.17	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	91	1107	1.00	1.05	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	17269	1.00	1.13	
112 2-Chlorotoluene	91	8.902	8.908	-0.006	96	15045	1.00	1.15	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	94	13578	1.00	1.04	
114 Butyl Methacrylate	87	8.957	8.951	0.006	88	2072	1.00	0.4787	
115 4-Chlorotoluene	91	8.969	8.969	0.000	98	11661	1.00	1.16	
116 tert-Butylbenzene	119	9.103	9.103	0.000	95	10575	1.00	1.06	
117 1,2,4-Trimethylbenzene	105	9.140	9.140	0.000	96	14389	1.00	1.08	
118 sec-Butylbenzene	105	9.231	9.231	0.000	99	17861	1.00	1.07	
119 4-Isopropyltoluene	119	9.305	9.305	0.000	98	15427	1.00	1.08	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	94	8529	1.00	1.22	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	96	230776	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.390	0.000	73	8243	1.00	1.16	
123 1,2,3-Trimethylbenzene	105	9.390	9.396	-0.006	96	15831	1.00	1.10	
124 Benzyl chloride	91	9.469	9.475	-0.006	95	2591	1.00	1.02	
125 2,3-Dihydroindene	117	9.524	9.524	0.000	91	17384	1.00	1.15	
126 p-Diethylbenzene	119	9.530	9.530	0.000	90	9704	1.00	1.14	
127 n-Butylbenzene	92	9.548	9.549	0.000	97	8683	1.00	1.08	
128 1,2-Dichlorobenzene	146	9.628	9.628	0.000	94	8796	1.00	1.21	
129 1,2,4,5-Tetramethylbenzene	119	10.042	10.042	0.000	98	14318	1.00	1.10	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	66	428	1.00	1.00	
131 1,3,5-Trichlorobenzene	180	10.262	10.256	0.006	95	6102	1.00	1.06	
132 1,2,4-Trichlorobenzene	180	10.768	10.768	0.000	91	4888	1.00	1.09	
133 Hexachlorobutadiene	225	10.841	10.847	-0.006	93	2111	1.00	0.9890	
134 Naphthalene	128	11.018	11.018	0.000	98	7700	1.00	0.9439	
135 1,2,3-Trichlorobenzene	180	11.237	11.243	-0.006	94	2719	1.00	0.9366	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		2.00	2.42	
S 137 Xylenes, Total	100				0		2.00	2.21	
S 138 Total BTEX	1				0		5.00	5.86	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00371	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00119	Amount Added:	10.00	Units: uL	
524freon_00023	Amount Added:	10.00	Units: uL	
ACROLEIN W_00107	Amount Added:	4.00	Units: uL	
14DIOXINTER_00116	Amount Added:	30.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added:	1.00	Units: uL	Run Reagent

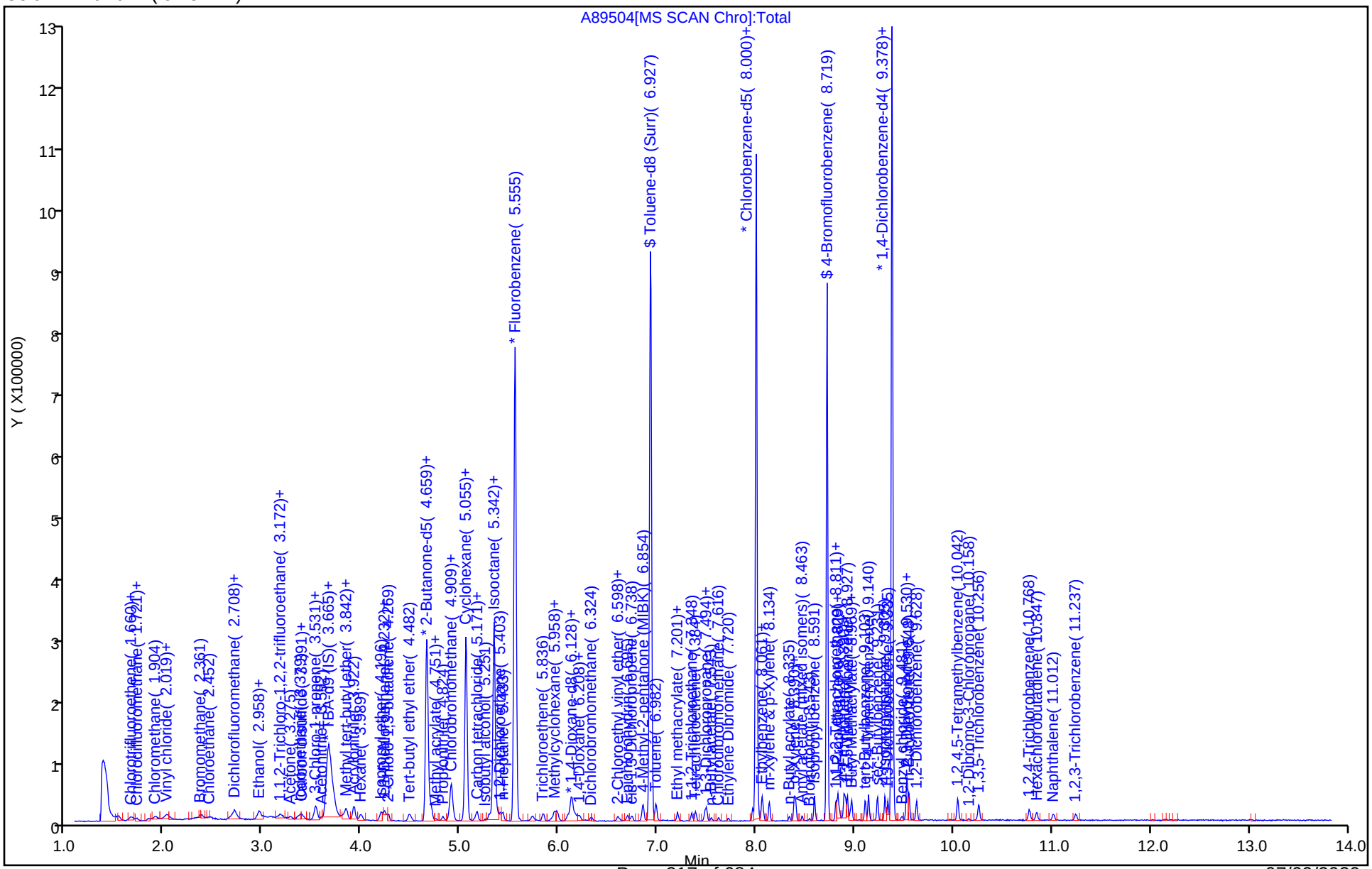
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D

Injection Date:	11-Jun-2020 02:28:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD1			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



07/09/2020

Eurofins TestAmerica, Edison

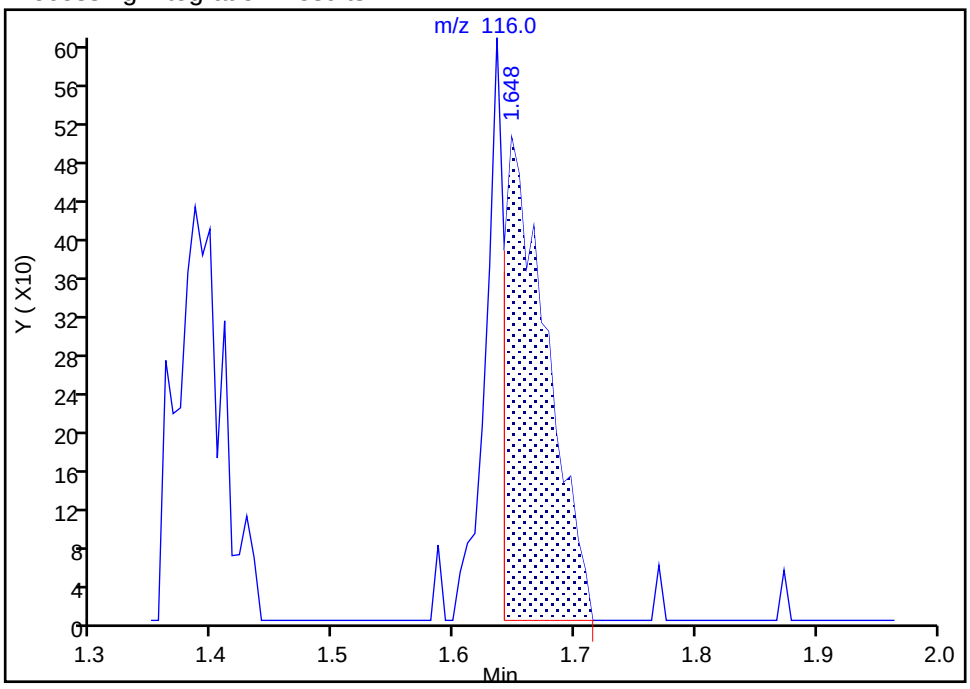
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Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

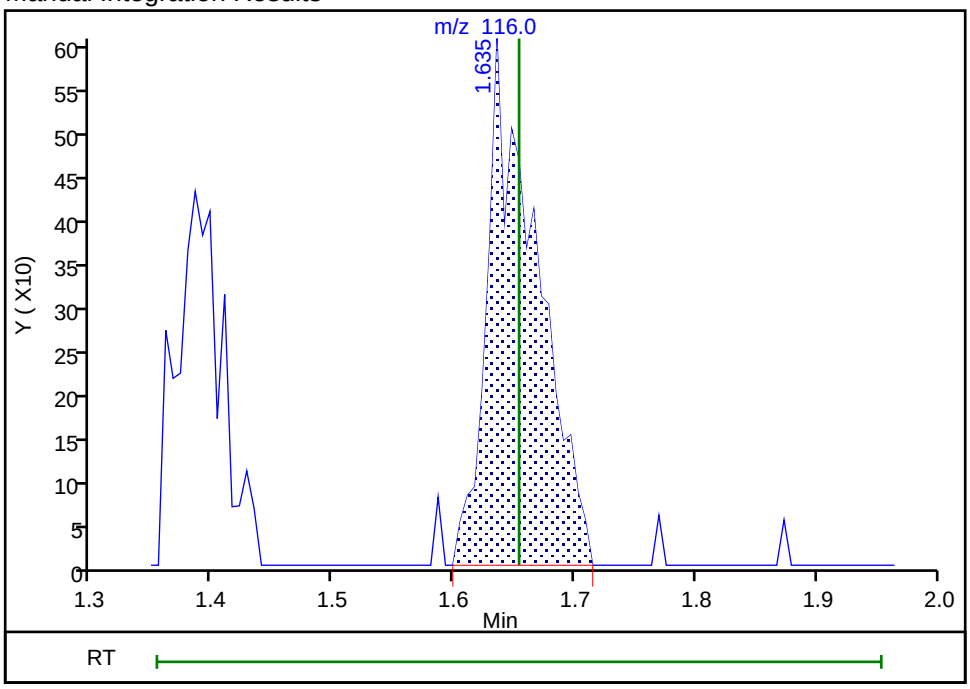
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RT: 1.65
Area: 1222
Amount: 0.941084
Amount Units: ug/l



Manual Integration Results

RT: 1.64
Area: 1731
Amount: 1.081170
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:44:00
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

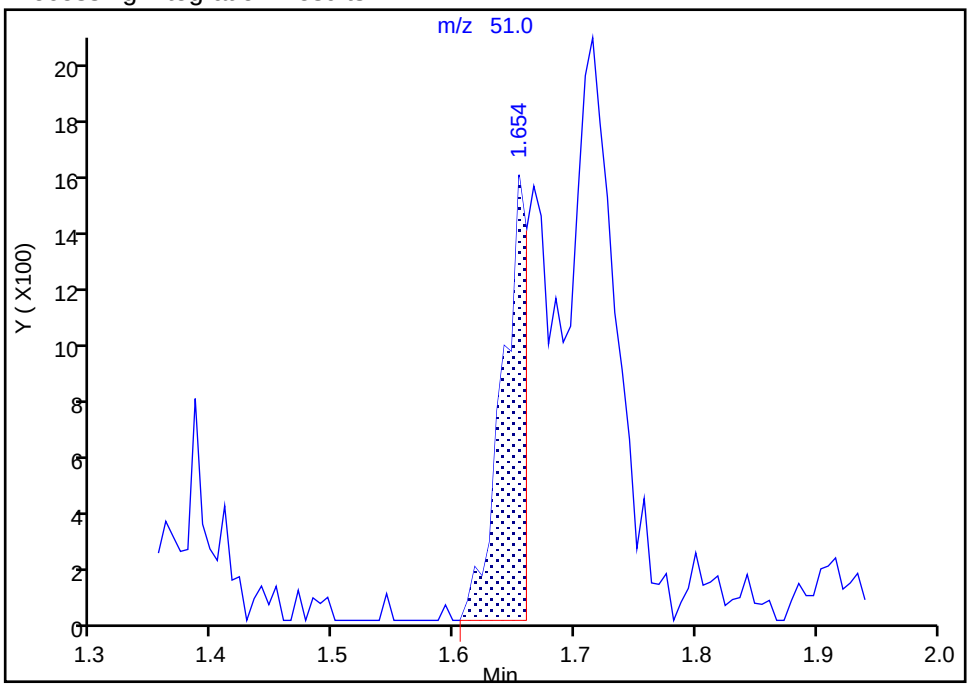
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Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Signal: 1

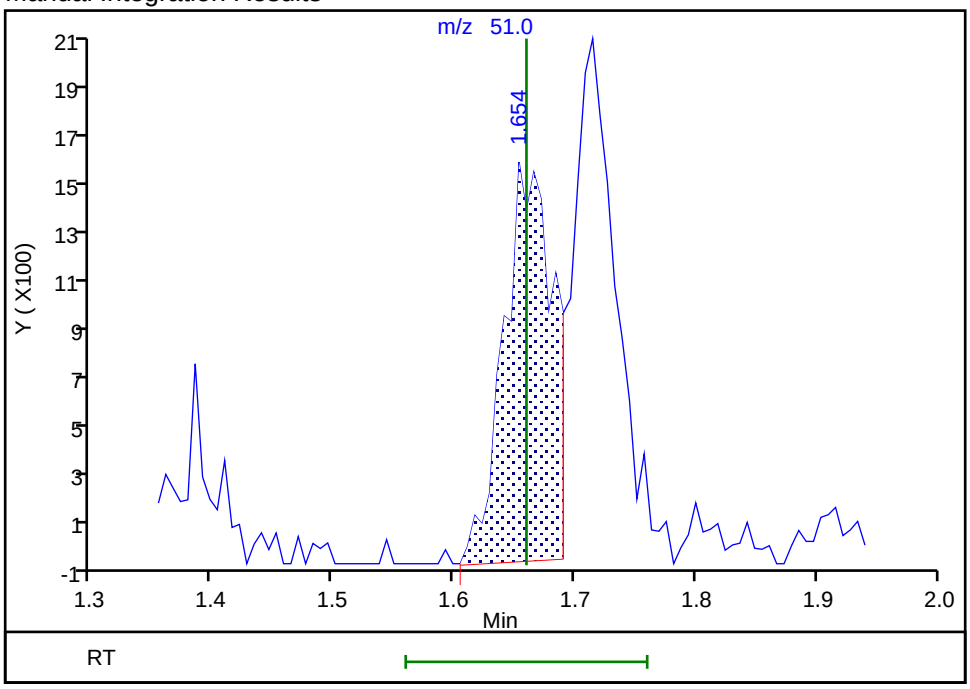
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RT: 1.65
Area: 2317
Amount: 0.658640
Amount Units: ug/l



Manual Integration Results

RT: 1.65
Area: 4513
Amount: 1.186152
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:44:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

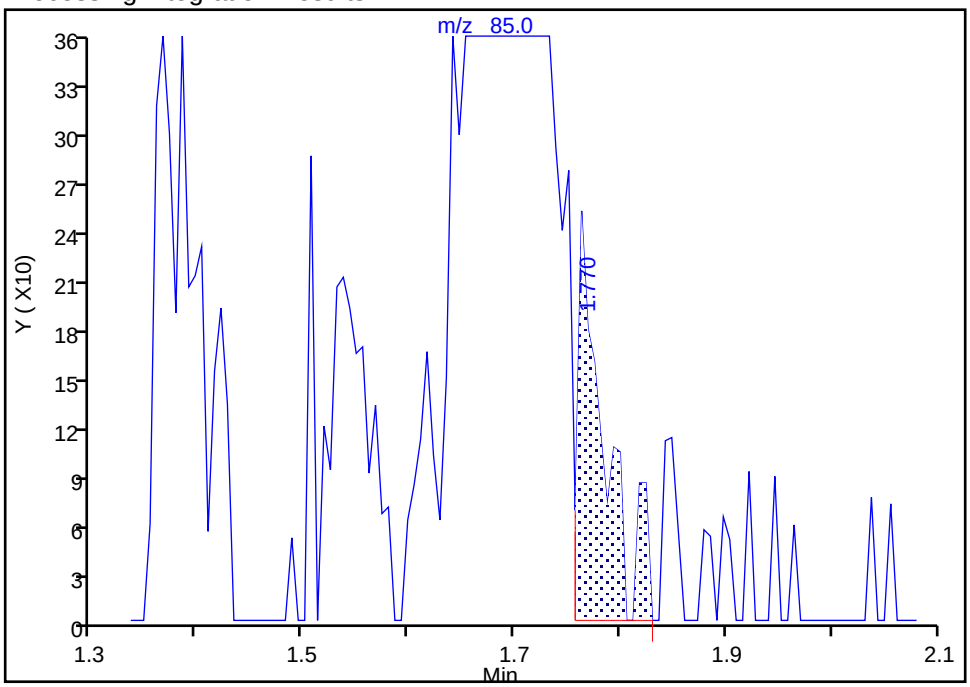
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Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

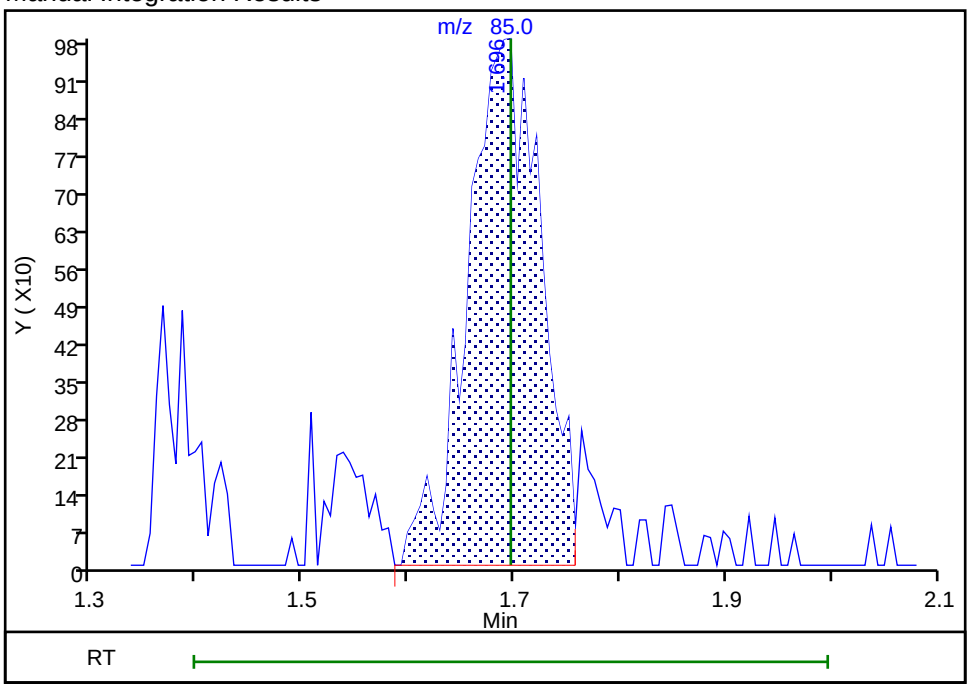
Processing Integration Results

RT: 1.77
Area: 448
Amount: 0.085880
Amount Units: ug/l



Manual Integration Results

RT: 1.70
Area: 4757
Amount: 0.907678
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:44:31
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

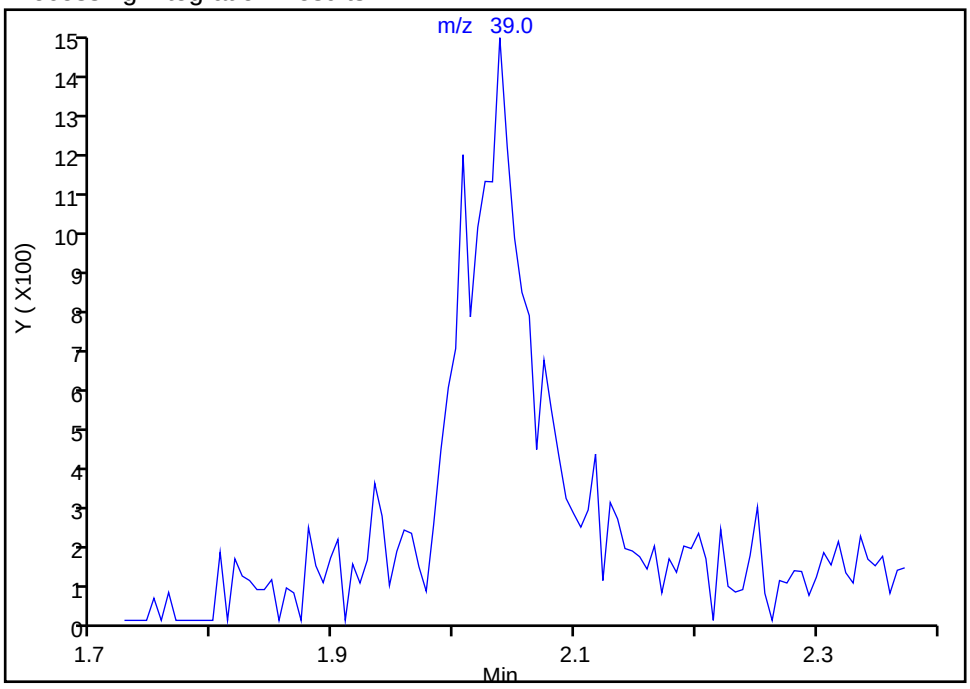
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Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 1

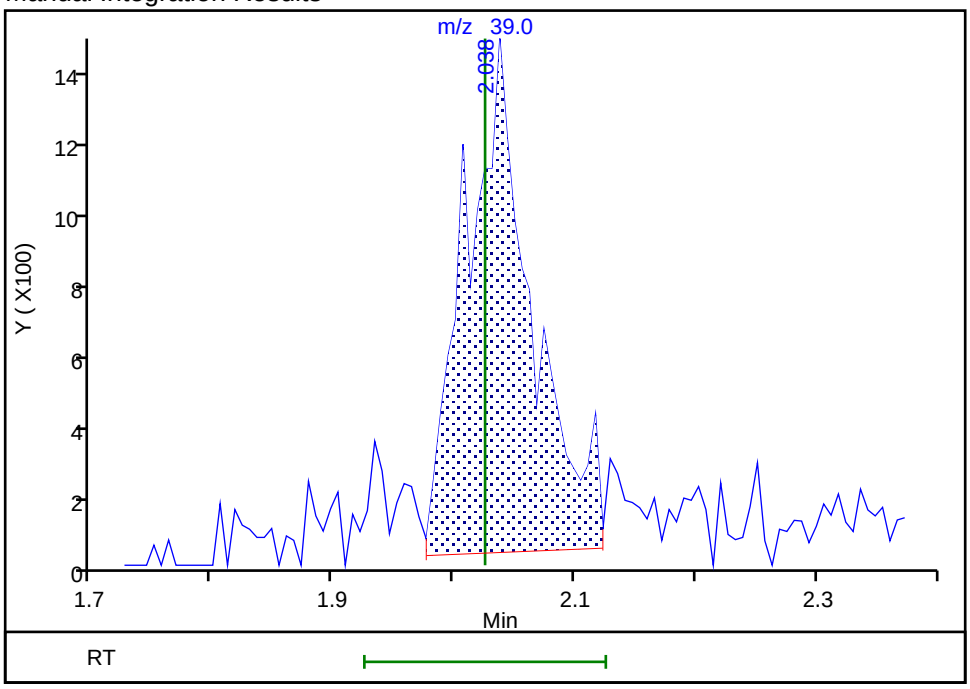
Not Detected
Expected RT: 2.03

Processing Integration Results



Manual Integration Results

RT: 2.04
Area: 5333
Amount: 1.072496
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:44:39
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

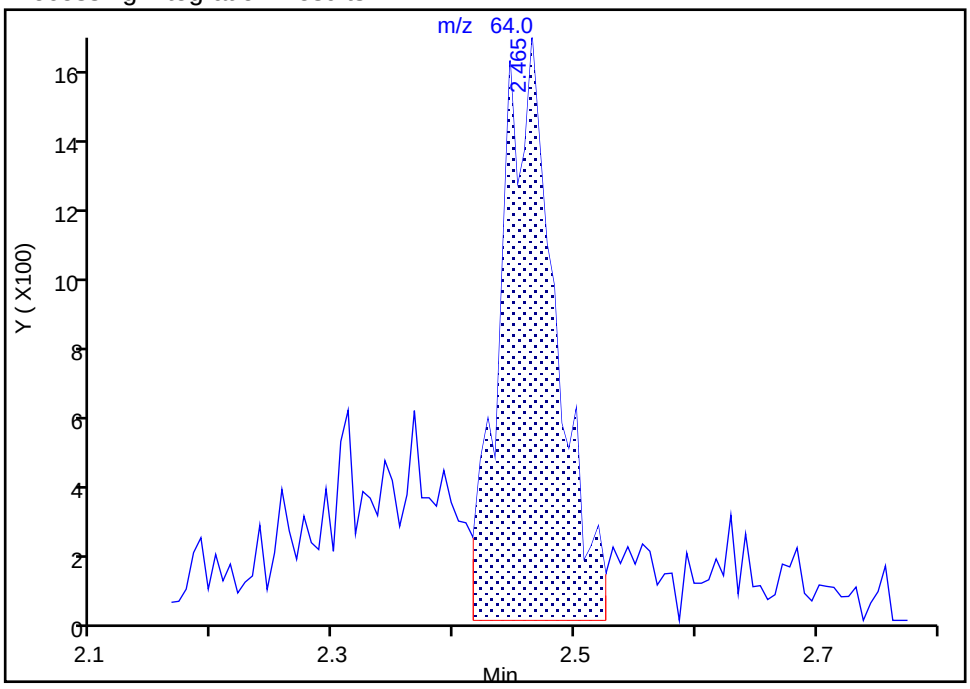
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Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Chloroethane, CAS: 75-00-3

Signal: 1

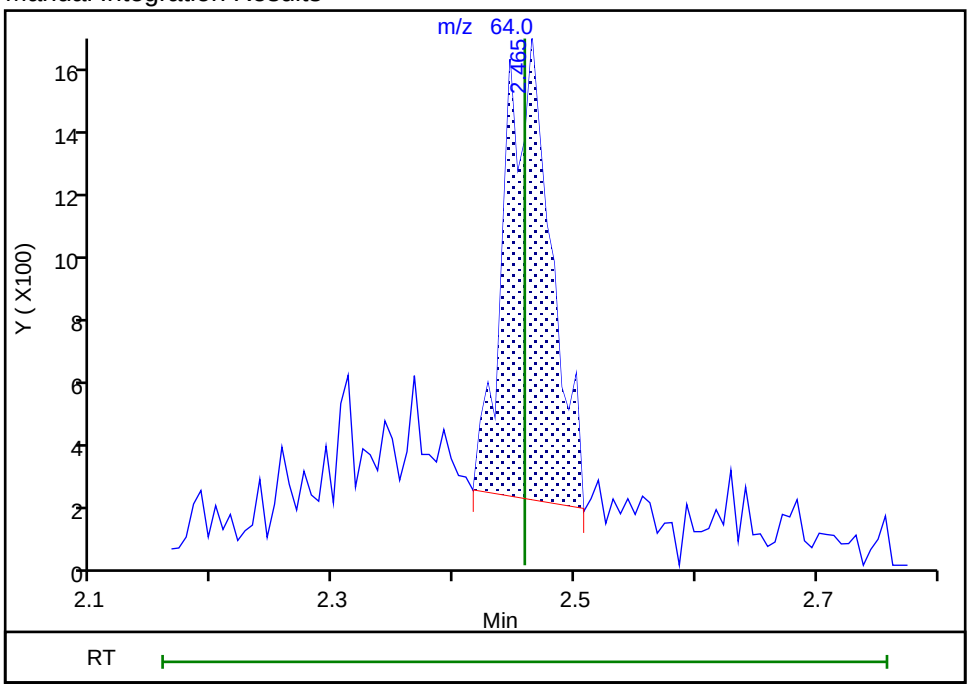
Processing Integration Results

RT: 2.46
Area: 5325
Amount: 1.656557
Amount Units: ug/l



Manual Integration Results

RT: 2.46
Area: 3868
Amount: 1.146871
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 18:11:24
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison

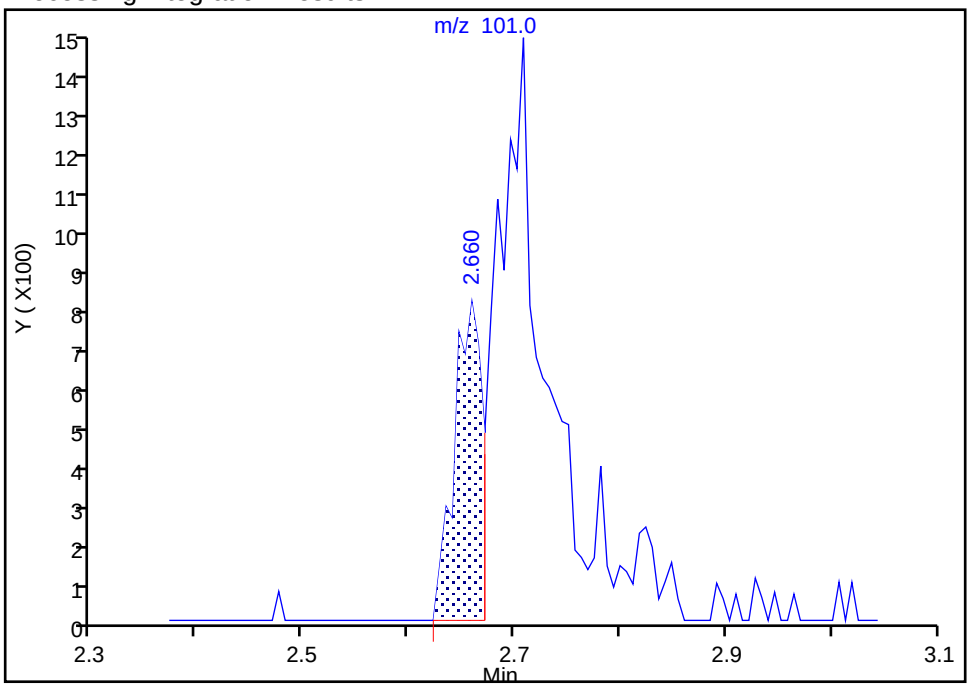
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

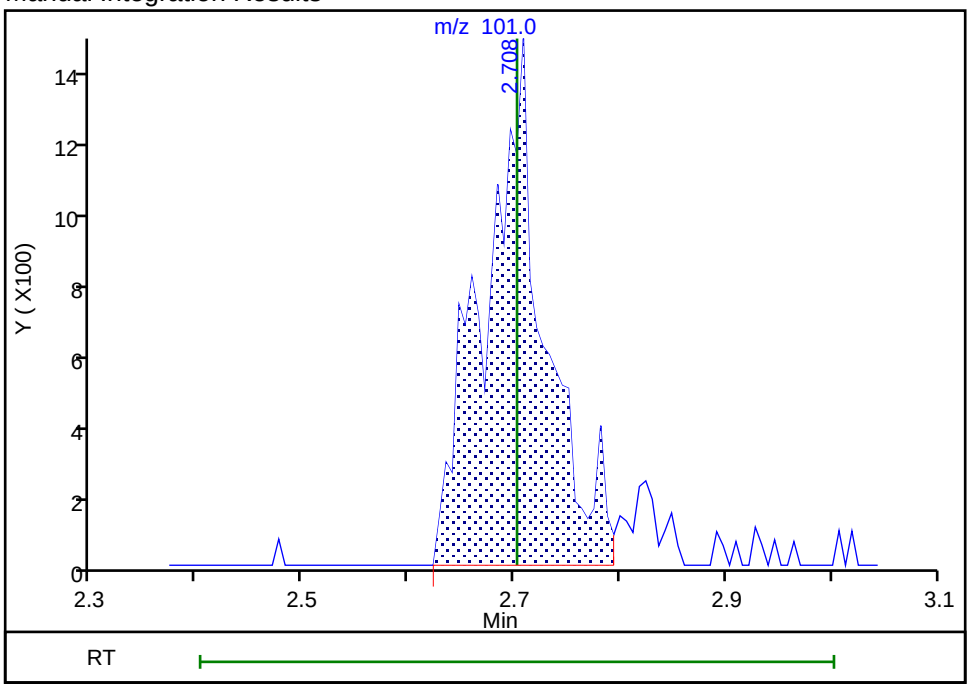
Processing Integration Results

RT: 2.66
Area: 1502
Amount: 0.273433
Amount Units: ug/l



Manual Integration Results

RT: 2.71
Area: 5947
Amount: 1.079758
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:44:52
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

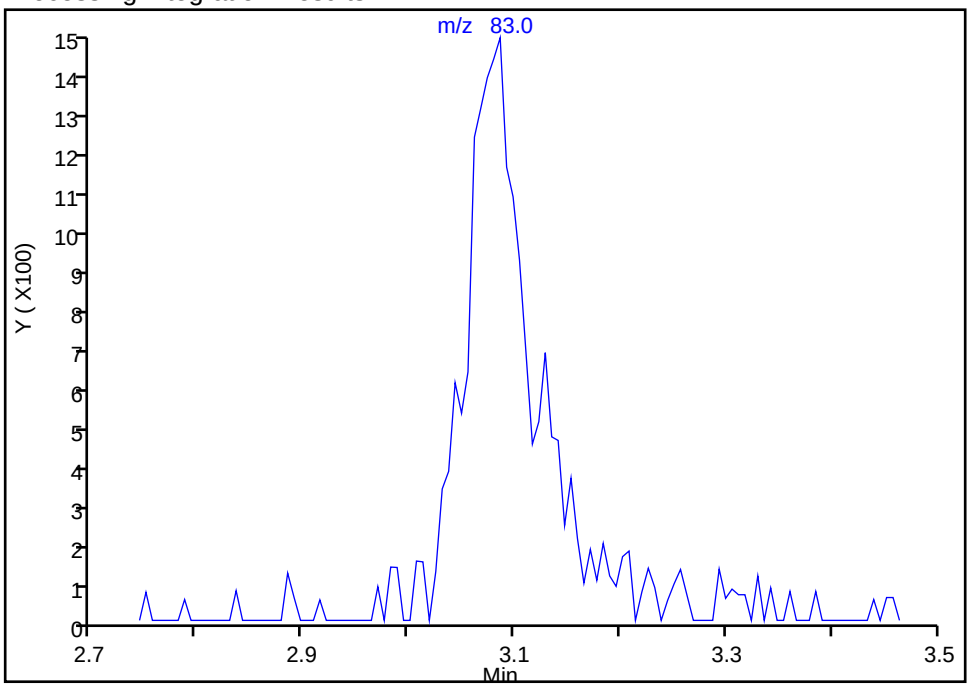
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

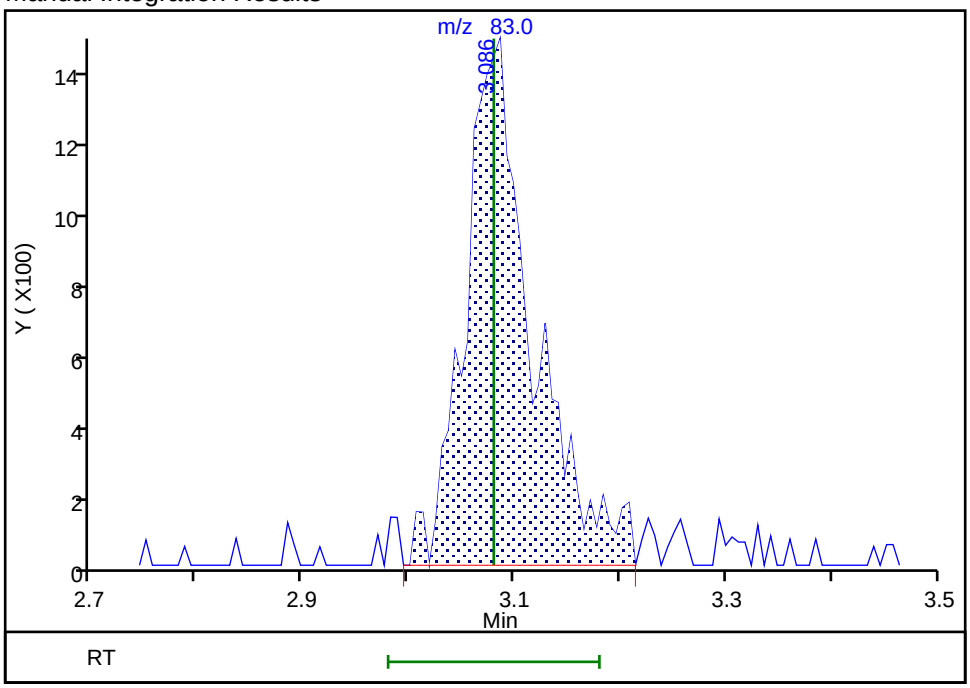
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 6472
Amount: 1.139899
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:45:03
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

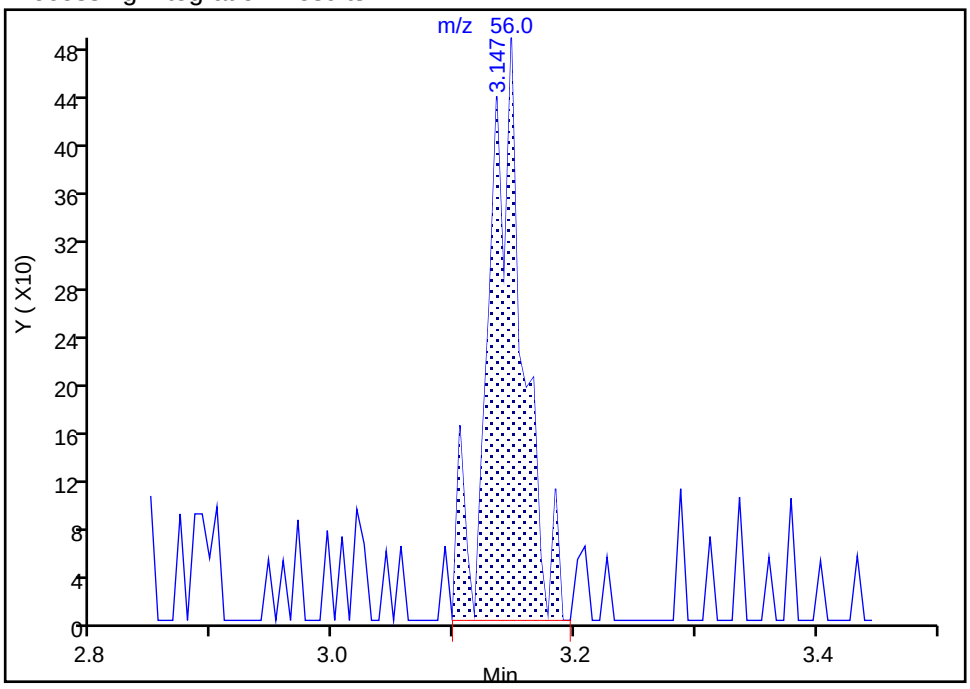
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Acrolein, CAS: 107-02-8

Signal: 1

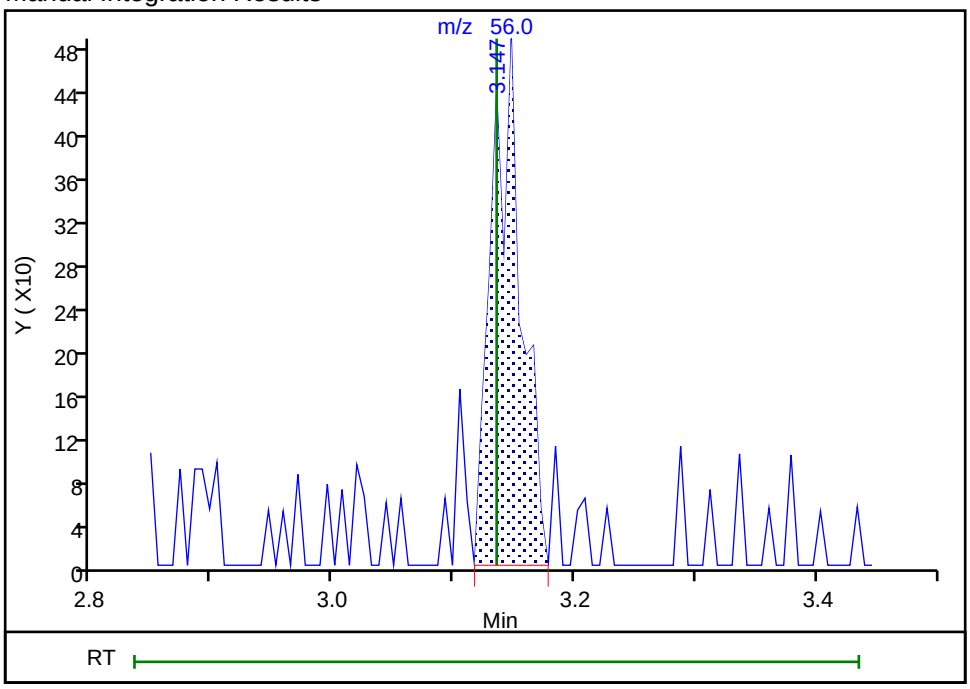
Processing Integration Results

RT: 3.15
Area: 958
Amount: 6.370109
Amount Units: ug/l



Manual Integration Results

RT: 3.15
Area: 837
Amount: 5.565763
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 18:13:29
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

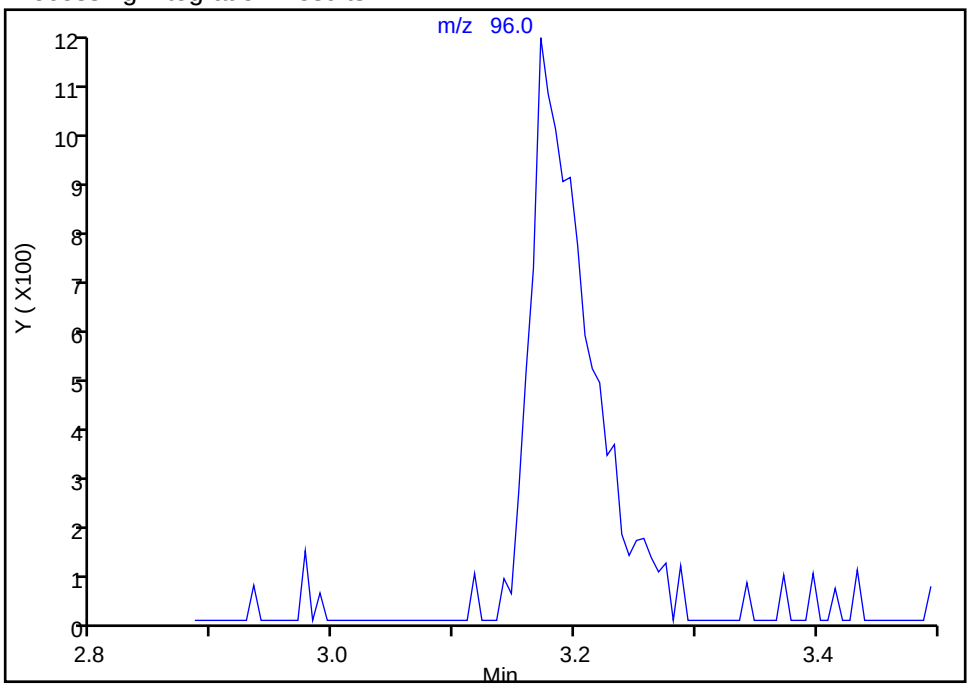
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

21 1,1-Dichloroethene, CAS: 75-35-4

Signal: 1

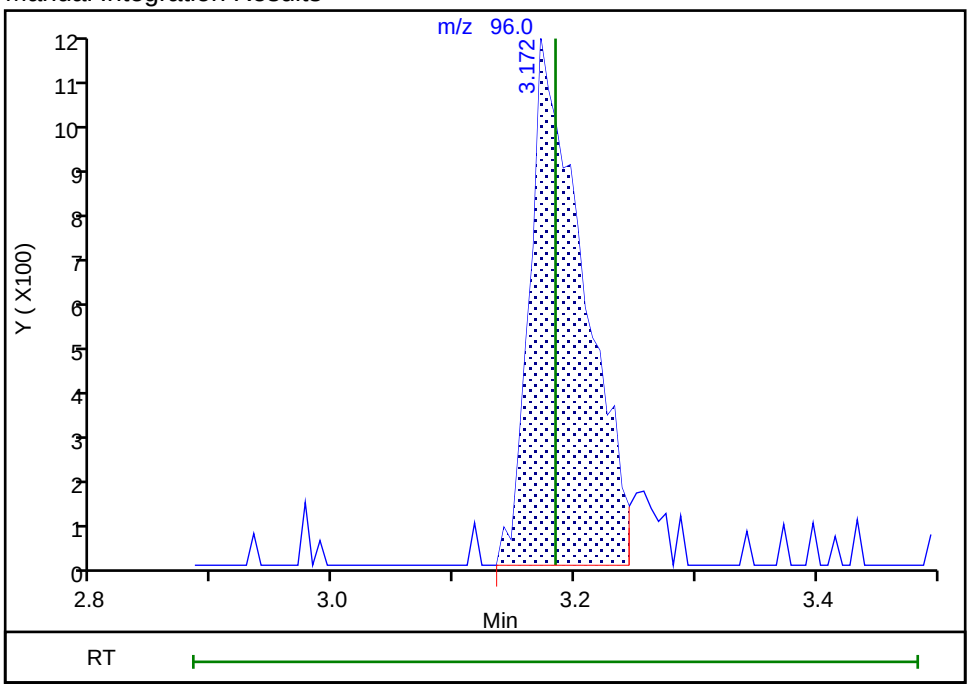
Not Detected
Expected RT: 3.18

Processing Integration Results



Manual Integration Results

RT: 3.17
Area: 3491
Amount: 0.975618
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:45:10
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

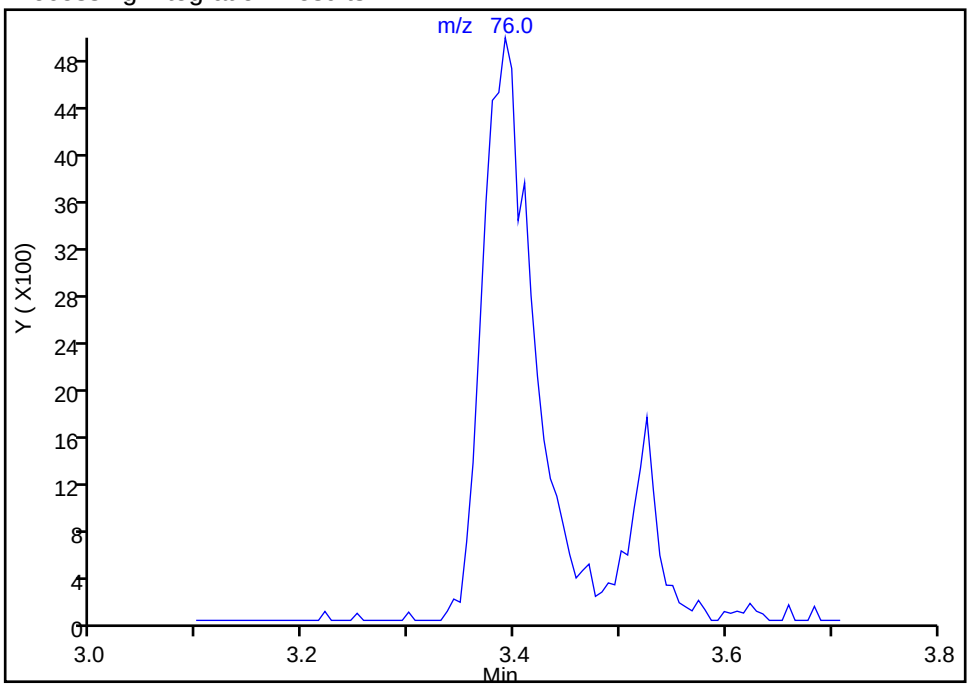
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Carbon disulfide, CAS: 75-15-0

Signal: 1

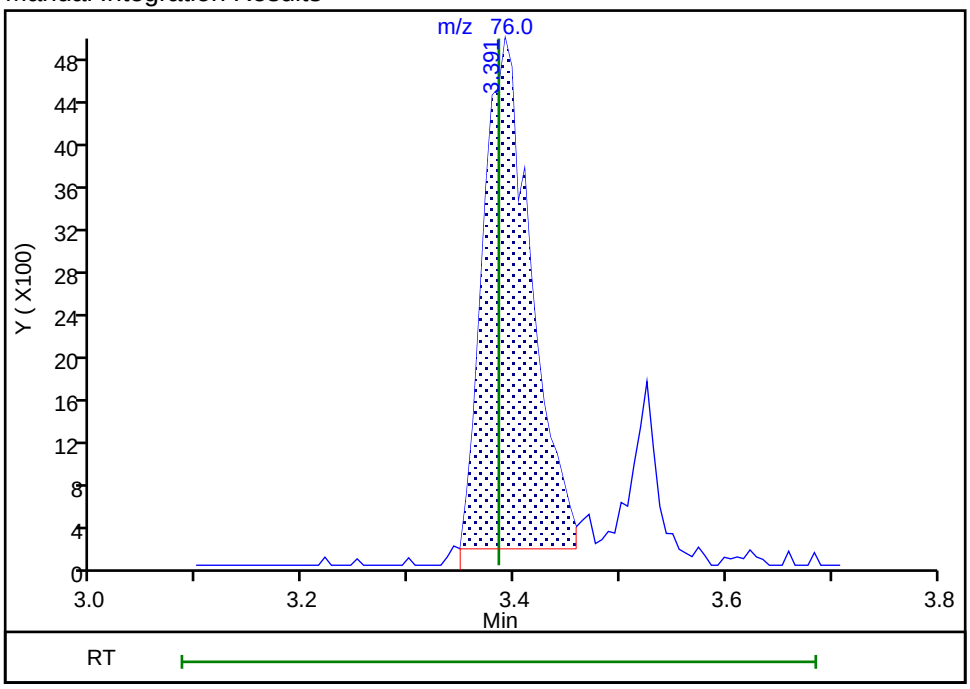
Not Detected
Expected RT: 3.39

Processing Integration Results



Manual Integration Results

RT: 3.39
Area: 15072
Amount: 1.076746
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:45:16
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

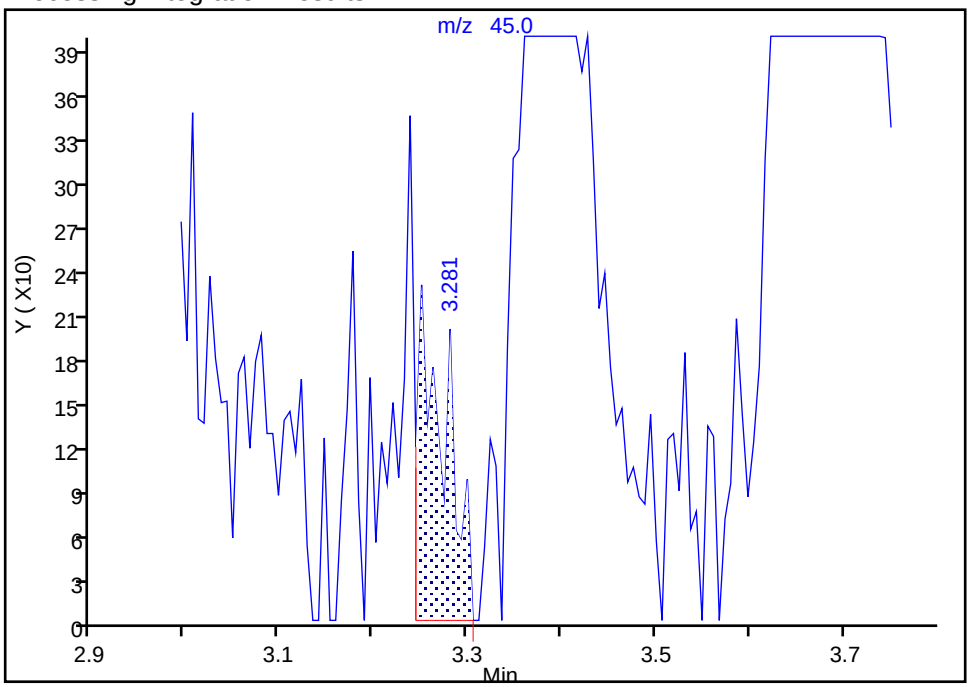
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

25 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

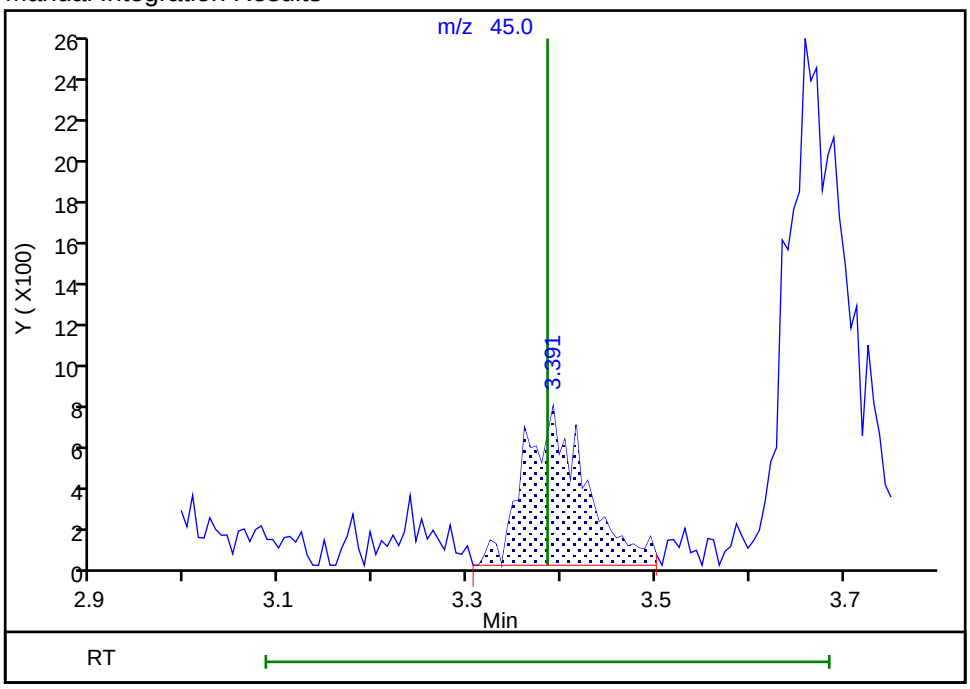
Processing Integration Results

RT: 3.28
Area: 459
Amount: 2.396135
Amount Units: ug/l



Manual Integration Results

RT: 3.39
Area: 3534
Amount: 18.435443
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:45:22
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

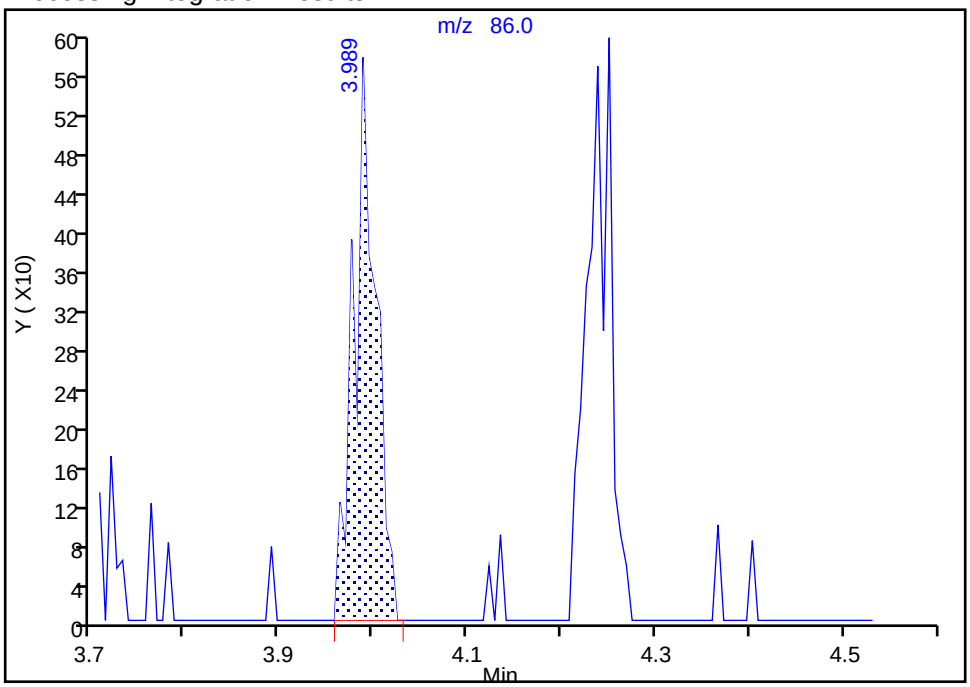
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

39 Vinyl acetate, CAS: 108-05-4

Signal: 1

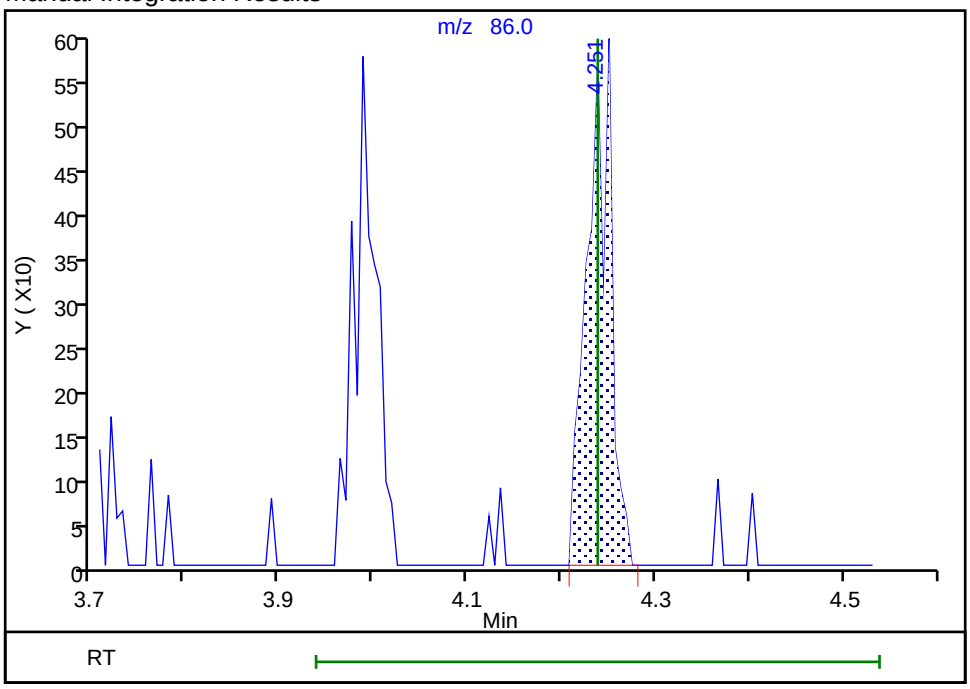
Processing Integration Results

RT: 3.99
Area: 925
Amount: 1.999239
Amount Units: ug/l



Manual Integration Results

RT: 4.25
Area: 1027
Amount: 2.179653
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:45:36
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

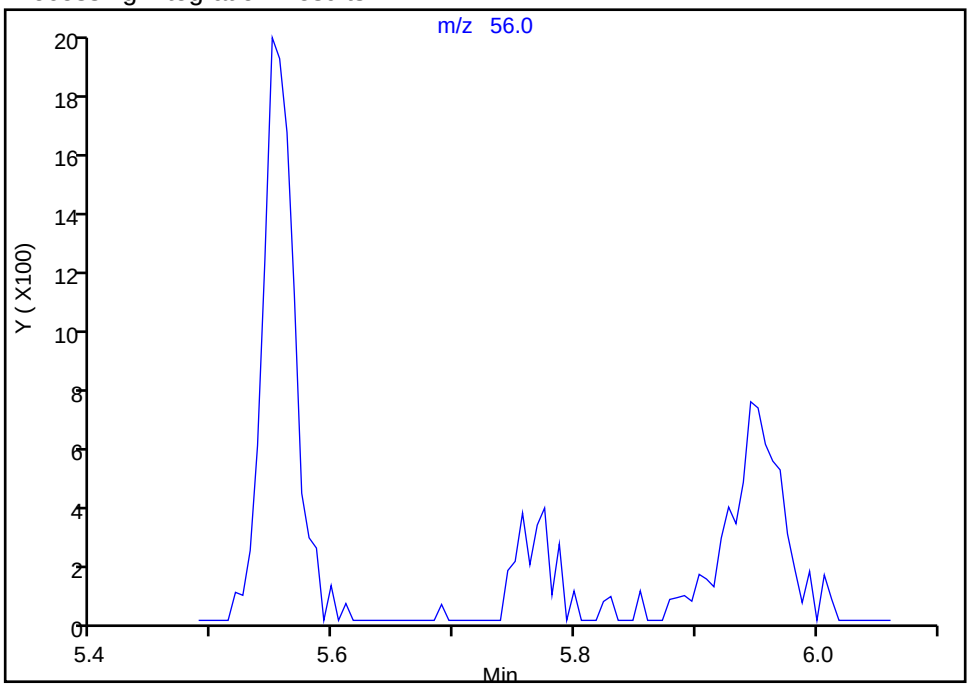
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

67 n-Butanol, CAS: 71-36-3

Signal: 1

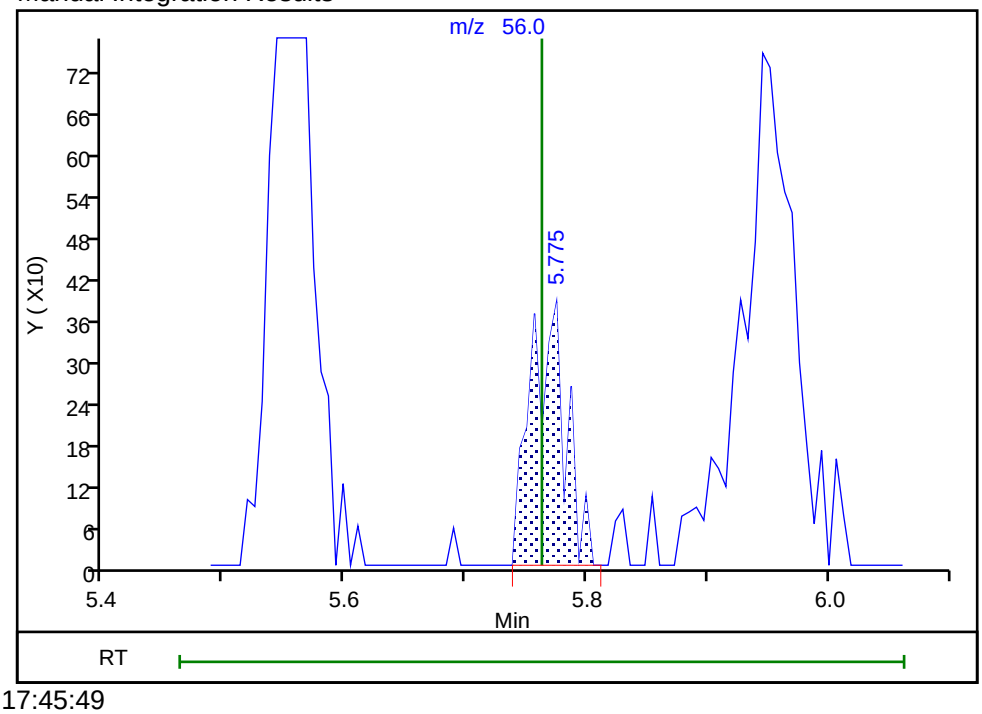
Processing Integration Results

Not Detected
Expected RT: 5.76



Manual Integration Results

RT: 5.77
Area: 758
Amount: 20.560336
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:45:49
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

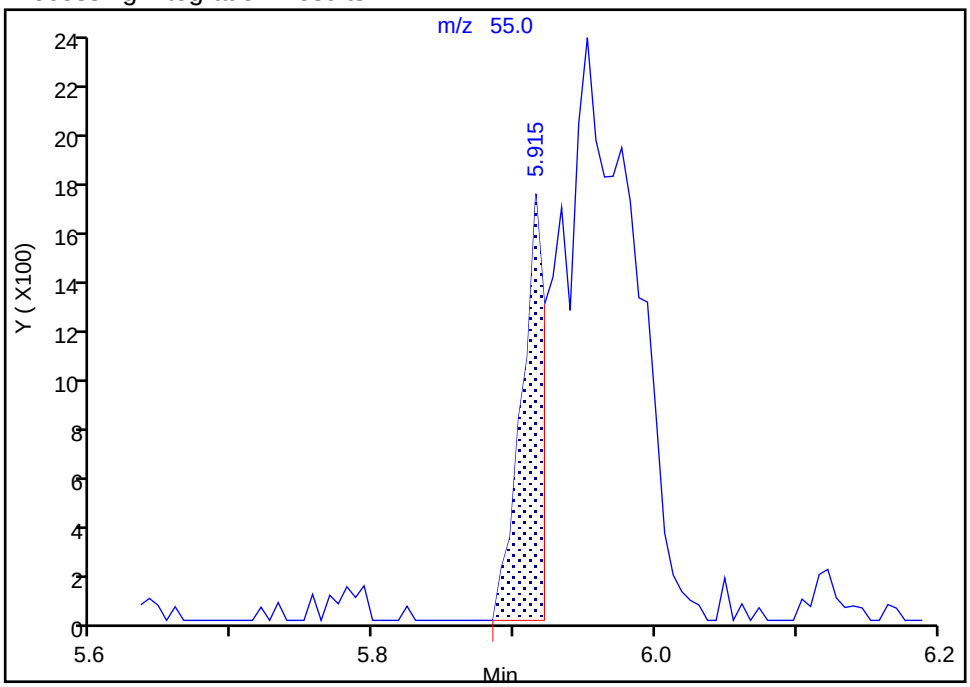
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

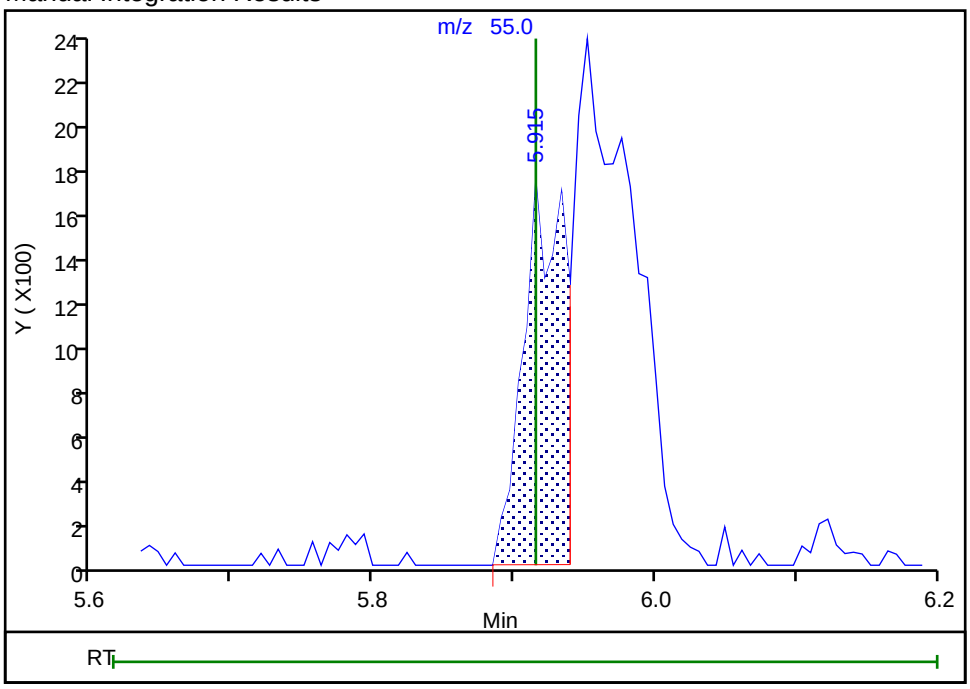
Processing Integration Results

RT: 5.92
Area: 2015
Amount: 0.592351
Amount Units: ug/l



Manual Integration Results

RT: 5.92
Area: 3605
Amount: 1.059414
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:46:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison

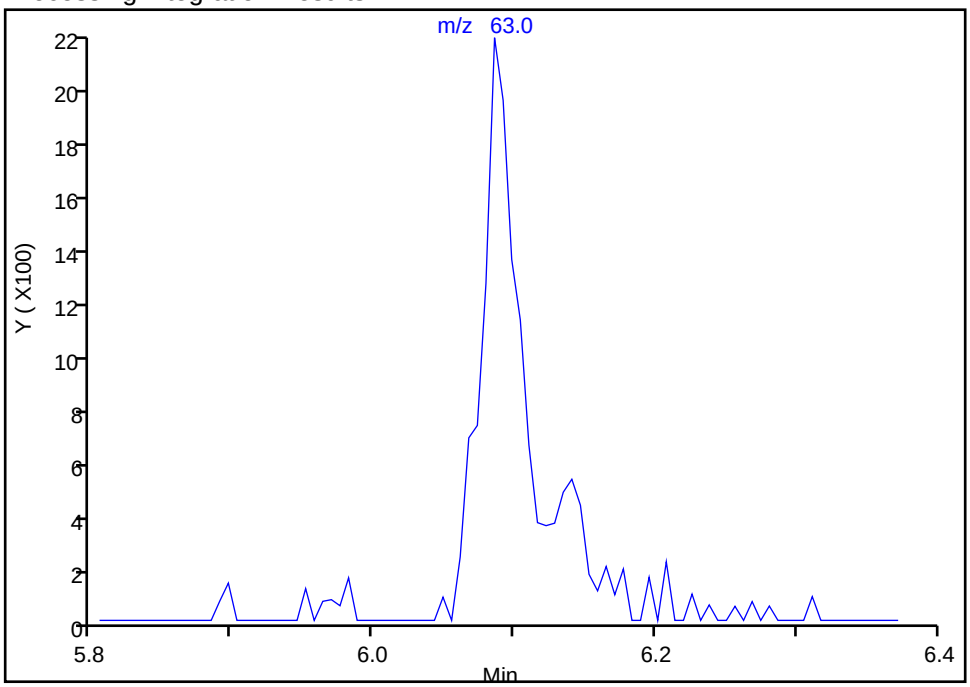
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

71 1,2-Dichloropropane, CAS: 78-87-5

Signal: 1

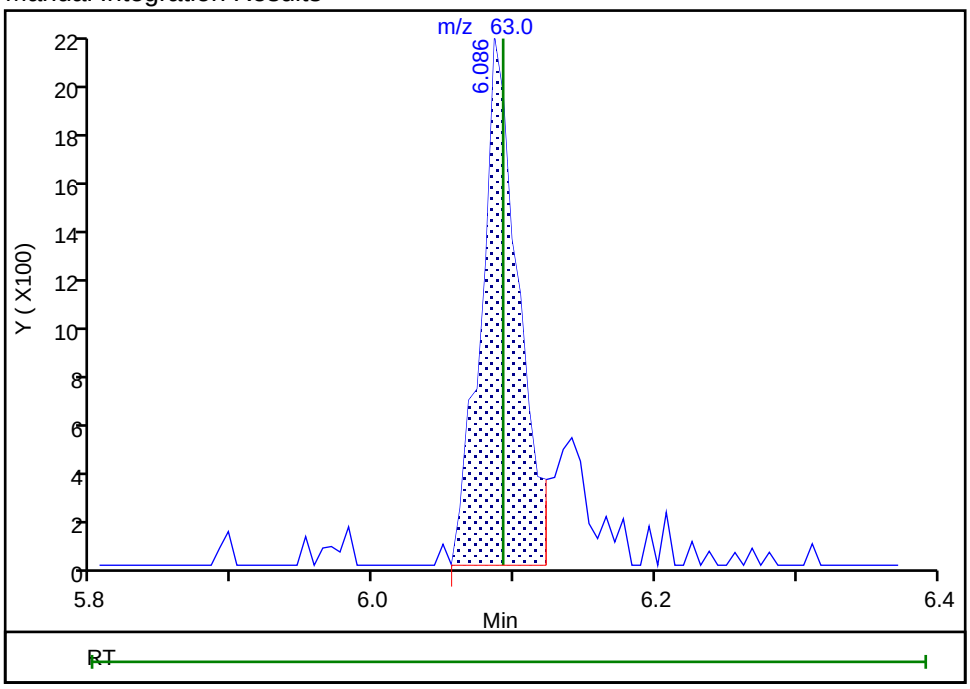
Not Detected
Expected RT: 6.09

Processing Integration Results



Manual Integration Results

RT: 6.09
Area: 3855
Amount: 1.146114
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:46:21
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

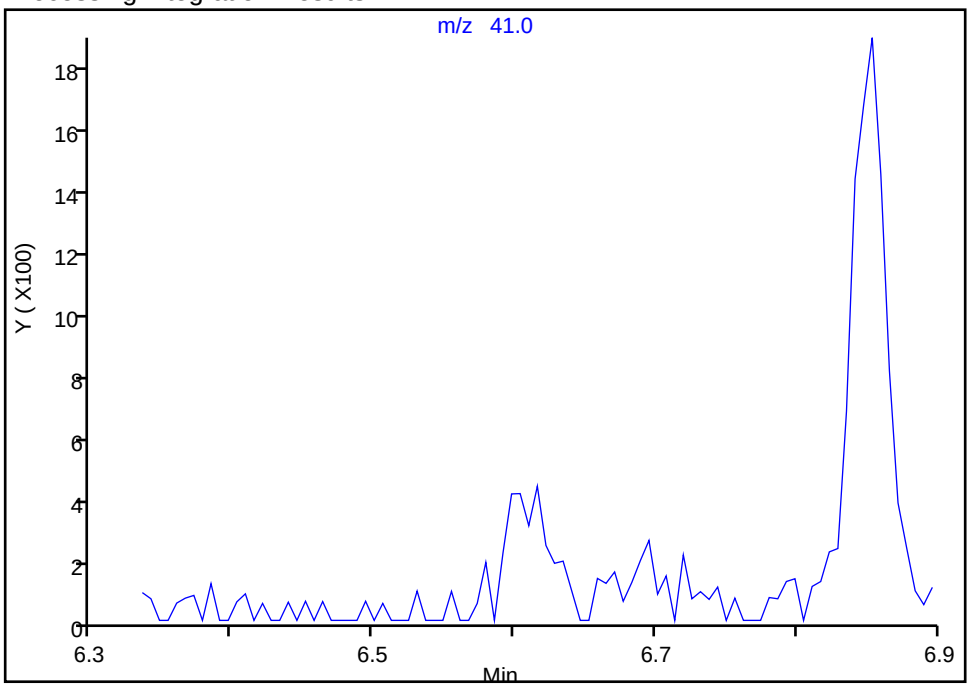
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89504.D
Injection Date: 11-Jun-2020 02:28:30 Instrument ID: CVOAMS1
Lims ID: STD1
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Signal: 1

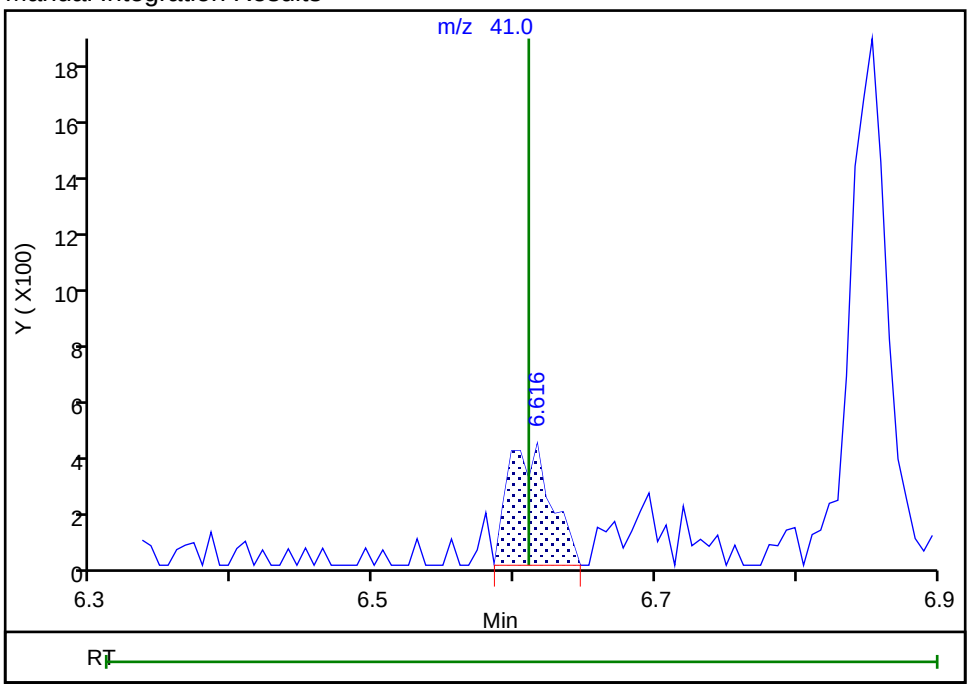
Not Detected
Expected RT: 6.61

Processing Integration Results



Manual Integration Results

RT: 6.62
Area: 914
Amount: 2.025521
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:46:34
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89505.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 11-Jun-2020 02:52:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0111447-005
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Jun-2020 18:46:16 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: boykink Date: 11-Jun-2020 03:09:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.507	1.544	-0.037	37	2229	5.00	6.18	Ma
2 Chlorotrifluoroethene	116	1.635	1.654	-0.019	67	7946	5.00	5.20	
3 1,1-Difluoroethane	51	1.642	1.660	-0.018	97	18025	5.00	4.96	
4 Dichlorodifluoromethane	85	1.684	1.696	-0.012	98	26476	5.00	5.29	
5 Chlorodifluoromethane	51	1.709	1.715	-0.006	98	23330	5.00	5.22	
6 Chloromethane	50	1.892	1.904	-0.012	99	31607	5.00	5.30	
8 Vinyl chloride	62	2.001	2.013	-0.012	97	28964	5.00	5.02	
7 Butadiene	39	2.013	2.026	-0.013	75	21966	5.00	4.63	
9 Bromomethane	94	2.367	2.367	0.000	96	20001	5.00	5.06	
10 Chloroethane	64	2.458	2.458	0.000	98	17146	5.00	5.33	a
11 Dichlorofluoromethane	67	2.666	2.684	-0.018	98	34279	5.00	4.85	
12 Trichlorofluoromethane	101	2.672	2.702	-0.030	54	25407	5.00	4.83	a
13 Pentane	72	2.702	2.714	-0.012	97	6822	10.0	12.3	
15 Ethanol	46	2.952	2.934	0.018	70	4465	200.0	246.0	a
14 Ethyl ether	59	2.934	2.946	-0.012	91	13489	5.00	4.77	
16 2-Methyl-1,3-butadiene	53	2.952	2.971	-0.019	96	15512	5.00	4.76	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.013	3.013	0.000	77	15746	5.00	4.90	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.068	3.080	-0.012	90	26041	5.00	4.81	a
19 Acrolein	56	3.135	3.135	0.000	52	3888	20.0	31.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.147	3.160	-0.013	86	18276	5.00	5.07	
21 1,1-Dichloroethene	96	3.166	3.184	-0.018	98	16220	5.00	4.75	
22 Acetone	58	3.275	3.275	0.000	87	8877	25.0	23.4	
23 Iodomethane	142	3.349	3.355	-0.006	95	30159	5.00	4.84	
24 Carbon disulfide	76	3.385	3.385	0.000	100	65515	5.00	4.90	
25 Isopropyl alcohol	45	3.391	3.385	0.006	96	10759	50.0	67.7	
26 3-Chloro-1-propene	76	3.519	3.525	-0.006	93	10786	5.00	4.43	
27 Methyl acetate	43	3.525	3.537	-0.012	73	22658	10.0	9.60	
28 Cyclopentene	67	3.538	3.544	-0.006	93	43042	5.00	4.77	
29 Acetonitrile	41	3.592	3.598	-0.006	99	20935	50.0	57.0	M
* 31 TBA-d9 (IS)	65	3.653	3.659	-0.006	55	234149	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.653	3.659	-0.006	59	19449	5.00	4.67	a
32 2-Methyl-2-propanol	59	3.739	3.733	0.006	1	9465	50.0	42.1	a
33 Methyl tert-butyl ether	73	3.818	3.824	-0.006	98	37095	5.00	4.73	
34 trans-1,2-Dichloroethene	96	3.836	3.842	-0.006	94	16966	5.00	4.75	
35 Acrylonitrile	53	3.916	3.915	0.001	95	61270	50.0	46.6	
36 Hexane	43	3.983	3.995	-0.012	94	13940	5.00	5.03	
37 Isopropyl ether	45	4.196	4.196	0.000	98	51588	5.00	4.94	
38 1,1-Dichloroethane	63	4.226	4.232	-0.006	99	28679	5.00	4.87	
39 Vinyl acetate	86	4.233	4.239	-0.006	99	3454	10.0	8.85	
40 2-Chloro-1,3-butadiene	88	4.263	4.269	-0.006	90	13935	5.00	4.82	
41 Tert-butyl ethyl ether	59	4.482	4.489	-0.007	90	40120	5.00	4.85	
* 42 2-Butanone-d5	46	4.653	4.653	0.000	89	296776	250.0	250.0	
43 2,2-Dichloropropane	97	4.684	4.690	-0.006	85	3261	5.00	3.97	
44 cis-1,2-Dichloroethene	96	4.690	4.696	-0.006	96	17651	5.00	4.71	
45 Ethyl acetate	70	4.702	4.708	-0.006	94	2411	10.0	8.39	
46 2-Butanone (MEK)	72	4.702	4.708	-0.006	98	9181	25.0	25.3	
47 Methyl acrylate	55	4.751	4.751	0.000	98	10488	5.00	4.46	
48 Propionitrile	54	4.818	4.824	-0.006	98	22908	50.0	57.6	
49 Chlorobromomethane	128	4.885	4.891	-0.006	89	8207	5.00	4.63	
50 Tetrahydrofuran	72	4.885	4.891	-0.006	64	4212	10.0	10.4	
51 Methacrylonitrile	67	4.903	4.909	-0.006	91	63971	50.0	49.3	
52 Chloroform	83	4.928	4.927	0.001	99	25102	5.00	4.74	
53 Cyclohexane	56	5.043	5.043	0.000	91	28855	5.00	4.76	
$ 54 Dibromofluoromethane (Surr)	113	5.056	5.055	0.001	97	132792	50.0	49.2	
55 1,1,1-Trichloroethane	97	5.056	5.055	0.001	61	15484	5.00	4.01	
56 Carbon tetrachloride	117	5.153	5.153	0.000	95	9757	5.00	4.50	
57 1,1-Dichloropropene	75	5.165	5.171	-0.006	97	19668	5.00	4.69	
58 Isobutyl alcohol	43	5.245	5.251	-0.006	76	4959	125.0	98.5	
59 Isooctane	57	5.299	5.299	0.000	98	57006	5.00	5.32	
60 Benzene	78	5.330	5.336	-0.006	96	61640	5.00	5.13	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.336	5.342	-0.006	86	150110	50.0	48.7	
62 Isopropyl acetate	43	5.354	5.354	0.000	68	30028	5.00	3.96	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	92	11518	5.00	4.60	
64 1,2-Dichloroethane	62	5.397	5.403	-0.006	96	17737	5.00	4.80	
65 n-Heptane	71	5.427	5.433	-0.006	94	22227	5.00	5.64	
* 66 Fluorobenzene	96	5.549	5.555	-0.006	99	579822	50.0	50.0	
67 n-Butanol	56	5.763	5.763	0.000	81	3516	125.0	114.3	
68 Trichloroethene	95	5.836	5.842	-0.006	97	14314	5.00	4.52	
70 Ethyl acrylate	55	5.921	5.915	0.006	5	11580	5.00	3.56	a
69 Methylcyclohexane	83	5.952	5.952	0.000	95	29007	5.00	4.94	
71 1,2-Dichloropropane	63	6.086	6.092	-0.006	89	15797	5.00	4.92	
* 72 1,4-Dioxane-d8	96	6.122	6.128	-0.006	85	35901	1000.0	1000.0	
73 Methyl methacrylate	100	6.122	6.128	-0.006	90	5052	10.0	7.61	
74 n-Propyl acetate	43	6.165	6.165	0.000	98	11936	5.00	3.59	
76 1,4-Dioxane	88	6.171	6.177	-0.006	35	3742	100.0	97.3	
75 Dibromomethane	93	6.202	6.202	0.000	95	8917	5.00	4.74	
77 Dichlorobromomethane	83	6.324	6.330	-0.006	99	12315	5.00	4.09	
78 2-Chloroethyl vinyl ether	63	6.592	6.598	-0.006	97	8972	5.01	4.86	
79 2-Nitropropane	41	6.610	6.610	0.000	93	2501	10.0	9.27	
80 Epichlorohydrin	57	6.695	6.701	-0.006	99	21143	100.0	88.2	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	93	14742	5.00	4.10	
82 4-Methyl-2-pentanone (MIBK)	43	6.848	6.854	-0.006	96	68186	25.0	25.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	99	499791	50.0	50.9	
84 Toluene	91	6.982	6.982	0.000	93	60380	5.00	5.08	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	90	10117	5.00	3.87	
86 Ethyl methacrylate	69	7.201	7.201	0.000	82	10640	5.00	3.09	
87 1,1,2-Trichloroethane	83	7.342	7.348	-0.006	96	10147	5.00	5.00	
88 Tetrachloroethene	166	7.390	7.390	0.000	97	13853	5.00	4.96	
89 1,3-Dichloropropane	76	7.476	7.476	0.000	92	20612	5.00	4.93	
90 2-Hexanone	43	7.494	7.494	0.000	97	41324	25.0	24.4	
91 n-Butyl acetate	73	7.549	7.543	0.006	97	2134	5.00	3.39	
92 Chlorodibromomethane	129	7.616	7.622	-0.006	97	6786	5.00	4.07	
93 Ethylene Dibromide	107	7.720	7.720	0.000	100	8131	5.00	3.87	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	86	389036	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	94	37101	5.00	5.04	
96 Ethylbenzene	106	8.061	8.061	0.000	98	20231	5.00	4.67	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	74	7132	5.00	4.27	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	25709	5.00	4.92	
99 n-Butyl acrylate	73	8.335	8.335	0.000	98	4885	5.00	2.95	
100 o-Xylene	106	8.390	8.384	0.006	94	25366	5.00	4.77	
101 Styrene	104	8.402	8.402	0.000	97	41201	5.00	5.03	
102 Amyl acetate (mixed isomers)	43	8.469	8.469	0.000	91	12096	5.00	2.59	
103 Bromoform	173	8.549	8.543	0.006	95	3780	5.00	4.71	
104 Isopropylbenzene	105	8.591	8.591	0.000	95	69231	5.00	4.94	
$ 105 4-Bromofluorobenzene	174	8.726	8.719	0.007	94	141984	50.0	49.9	
106 1,1,2,2-Tetrachloroethane	83	8.811	8.805	0.006	97	14914	5.00	4.36	
107 Bromobenzene	156	8.817	8.811	0.006	98	16189	5.00	4.84	
108 N-Propylbenzene	91	8.829	8.829	0.000	99	83042	5.00	4.85	
109 trans-1,4-Dichloro-2-butene	53	8.847	8.841	0.006	70	3663	5.00	4.48	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	94	4817	5.00	4.79	
111 4-Ethyltoluene	105	8.896	8.890	0.006	98	70467	5.00	4.86	
112 2-Chlorotoluene	91	8.908	8.908	0.000	96	59947	5.00	4.82	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	92	58351	5.00	4.71	
114 Butyl Methacrylate	87	8.957	8.951	0.006	91	9419	5.00	2.29	
115 4-Chlorotoluene	91	8.975	8.969	0.006	97	48263	5.00	5.04	
116 tert-Butylbenzene	119	9.110	9.103	0.007	93	44777	5.00	4.71	
117 1,2,4-Trimethylbenzene	105	9.146	9.140	0.006	97	60385	5.00	4.76	
118 sec-Butylbenzene	105	9.238	9.231	0.007	99	73758	5.00	4.64	
119 4-Isopropyltoluene	119	9.311	9.305	0.006	98	62715	5.00	4.63	
120 1,3-Dichlorobenzene	146	9.341	9.335	0.006	96	32129	5.00	4.84	
* 121 1,4-Dichlorobenzene-d4	152	9.384	9.378	0.006	96	219115	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.396	9.390	0.006	72	33710	5.00	5.00	
123 1,2,3-Trimethylbenzene	105	9.396	9.396	0.000	97	63929	5.00	4.69	
124 Benzyl chloride	91	9.481	9.475	0.006	98	11608	5.00	4.57	
125 2,3-Dihydroindene	117	9.530	9.524	0.006	91	68453	5.00	4.76	
126 p-Diethylbenzene	119	9.536	9.530	0.006	92	38963	5.00	4.84	
127 n-Butylbenzene	92	9.555	9.549	0.007	97	37380	5.00	4.91	
128 1,2-Dichlorobenzene	146	9.634	9.628	0.006	96	34205	5.00	4.94	
129 1,2,4,5-Tetramethylbenzene	119	10.048	10.042	0.006	97	60719	5.00	4.91	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	66	1193	5.00	2.93	
131 1,3,5-Trichlorobenzene	180	10.268	10.256	0.012	96	27403	5.00	5.02	
132 1,2,4-Trichlorobenzene	180	10.780	10.768	0.012	92	20527	5.00	4.83	
133 Hexachlorobutadiene	225	10.853	10.847	0.006	96	8890	5.00	4.39	
134 Naphthalene	128	11.024	11.018	0.006	100	36636	5.00	4.73	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.249	11.243	0.006	93	13341	5.00	4.84	
S 136 1,2-Dichloroethene, Total	100				0		10.0	9.46	
S 137 Xylenes, Total	100				0		10.0	9.69	
S 138 Total BTEX	1				0		25.0	24.6	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ACROLEIN W_00107	Amount Added:	4.00	Units: uL	
8260MIX1COMB_00119	Amount Added:	10.00	Units: uL	
524freon_00023	Amount Added:	10.00	Units: uL	
GASES Li_00371	Amount Added:	10.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added:	1.00	Units: uL	Run Reagent

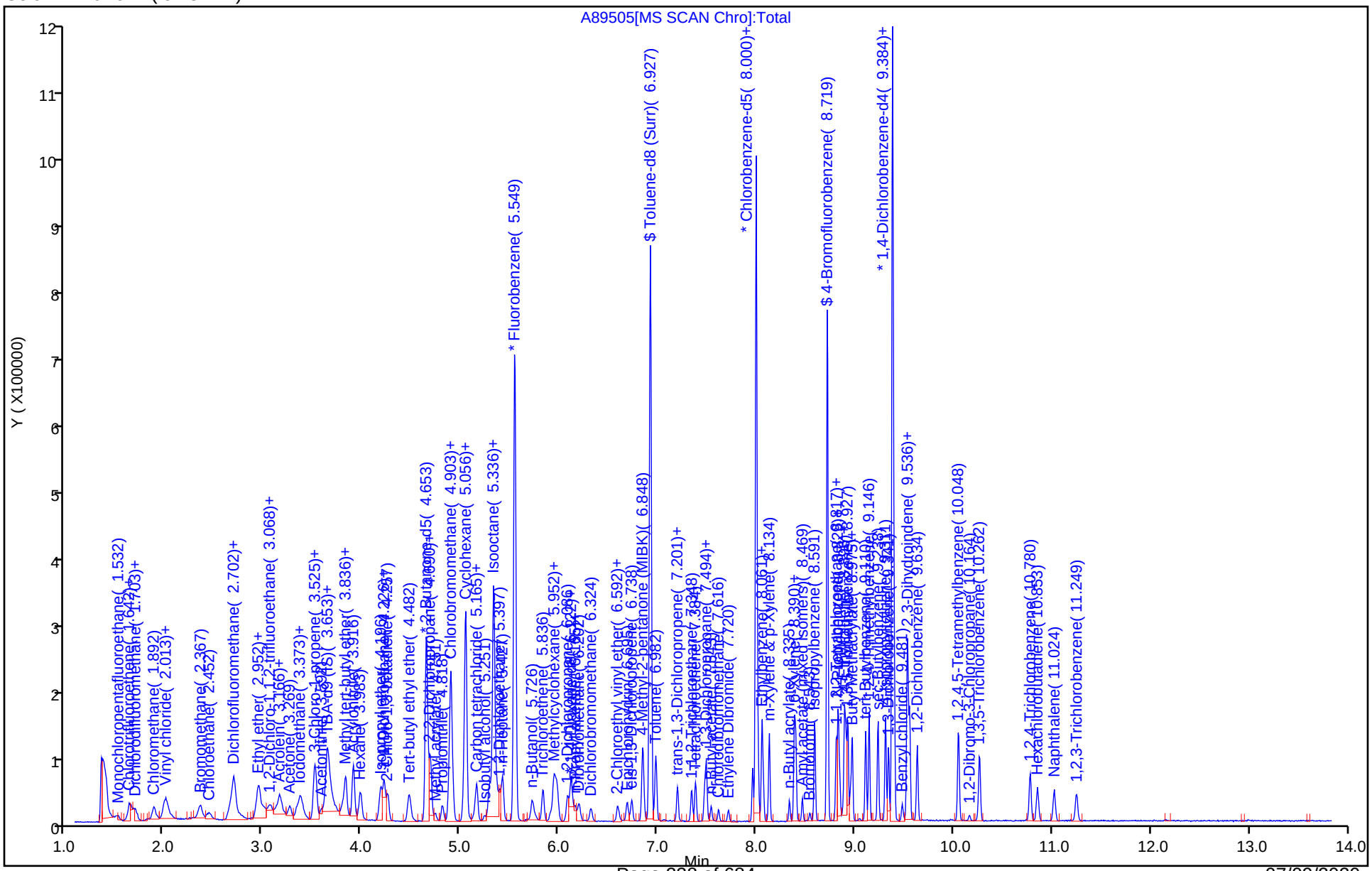
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Eurofins TestAmerica, Edison

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Injection Date:	11-Jun-2020 02:52:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD5			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

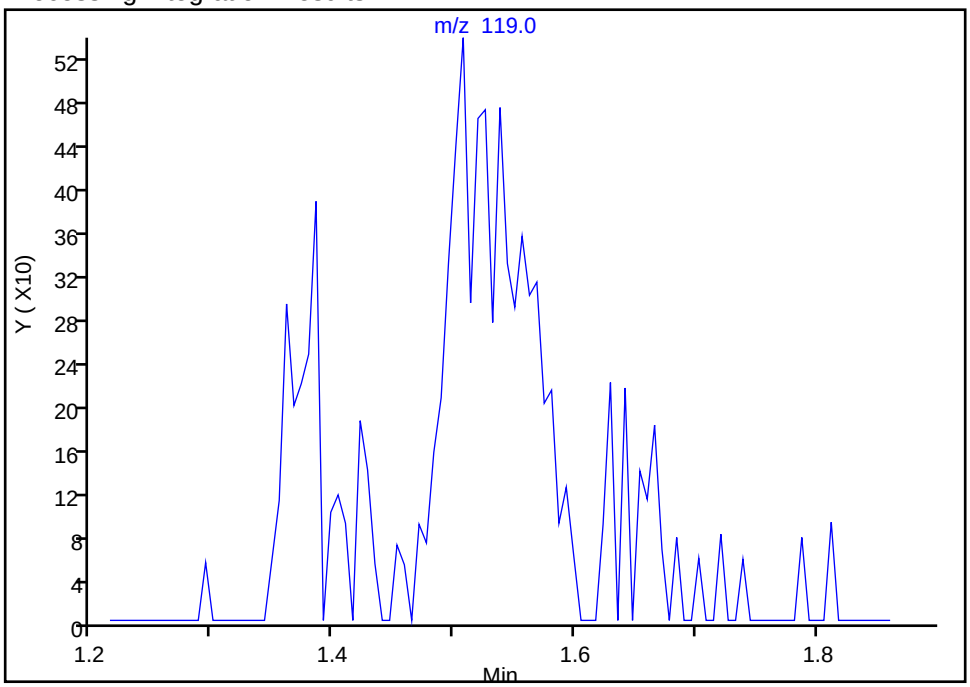
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Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Signal: 1

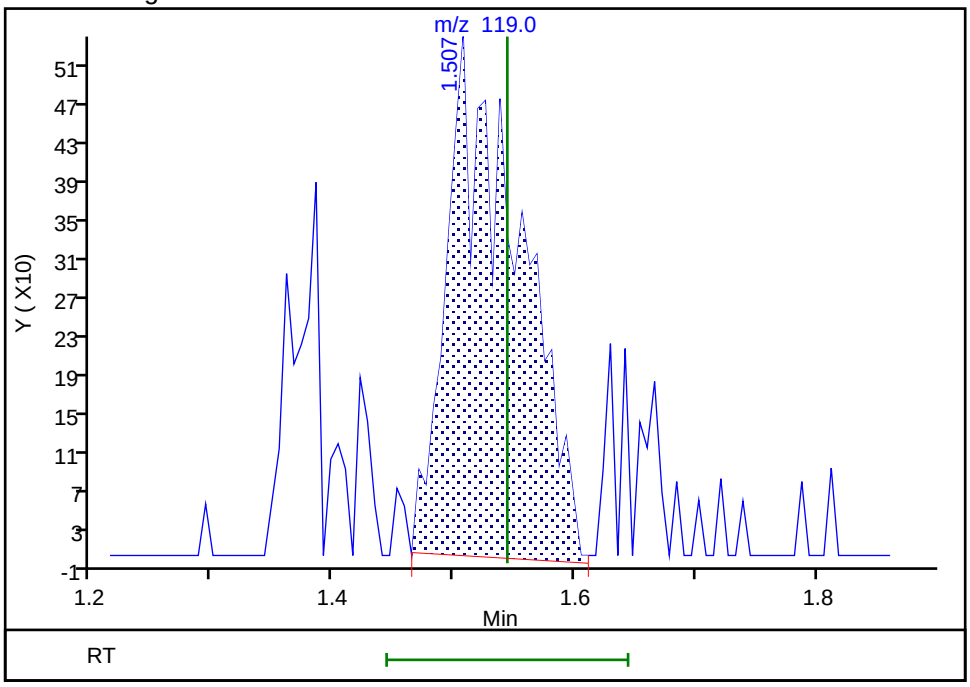
Not Detected
Expected RT: 1.54

Processing Integration Results



Manual Integration Results

RT: 1.51
Area: 2229
Amount: 6.176161
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:41:01
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

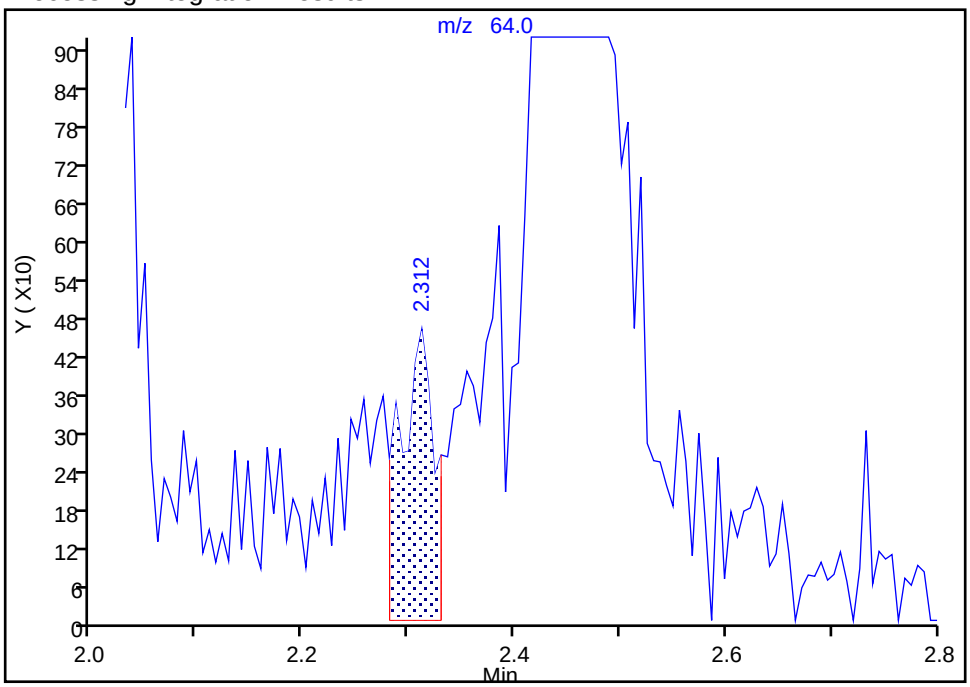
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Injection Date: 11-Jun-2020 02:52:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

10 Chloroethane, CAS: 75-00-3

Signal: 1

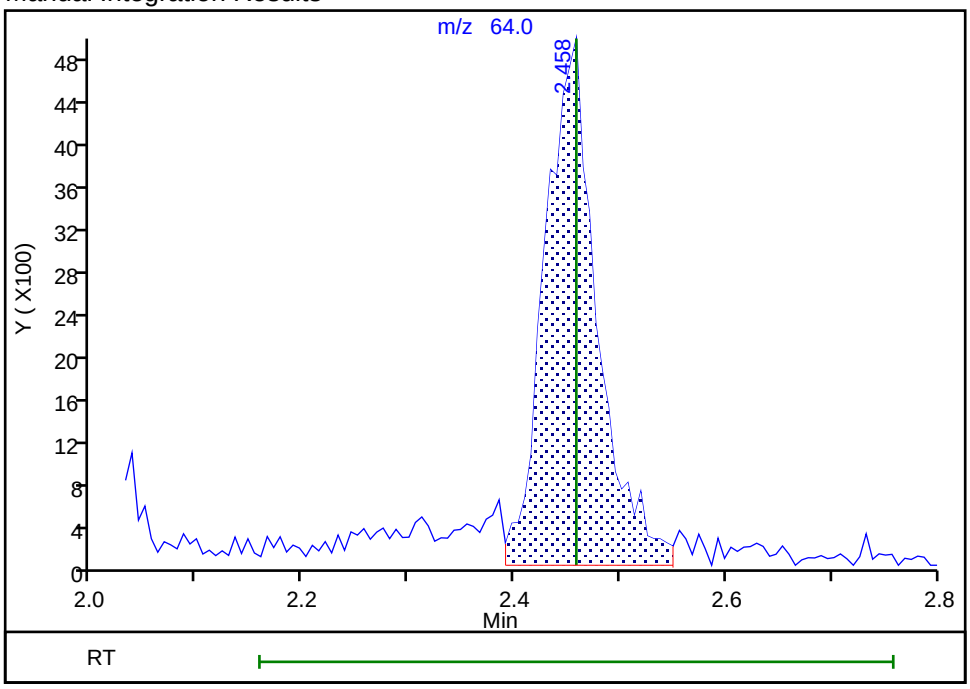
Processing Integration Results

RT: 2.31
Area: 1037
Amount: 0.355891
Amount Units: ug/l



Manual Integration Results

RT: 2.46
Area: 17146
Amount: 5.326483
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:41:13
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

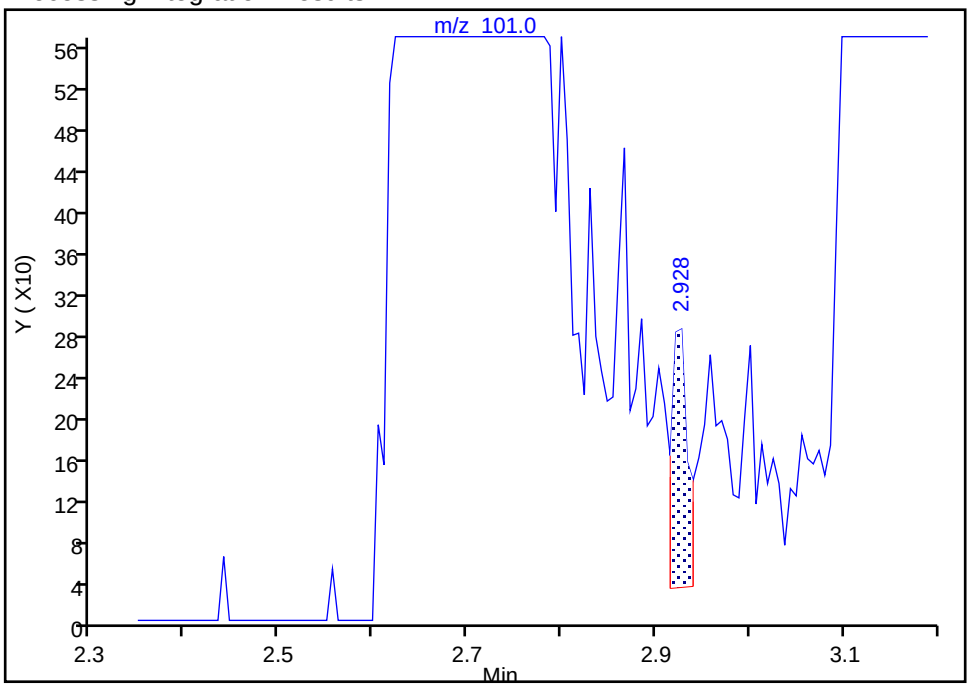
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Injection Date: 11-Jun-2020 02:52:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

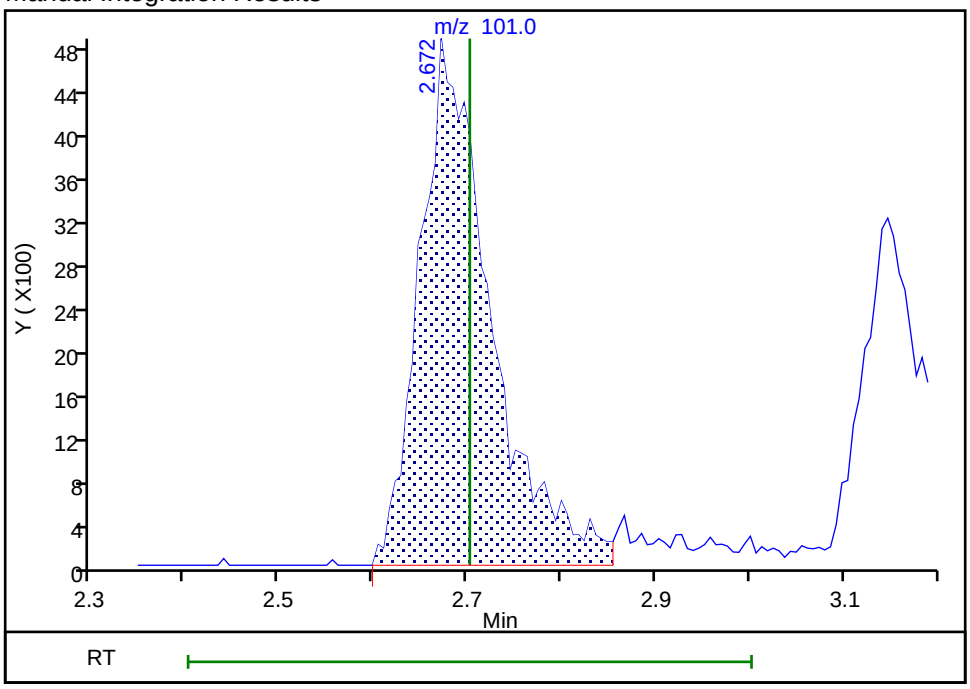
Processing Integration Results

RT: 2.93
Area: 312
Amount: 0.074927
Amount Units: ug/l



Manual Integration Results

RT: 2.67
Area: 25407
Amount: 4.833162
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:41:19
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

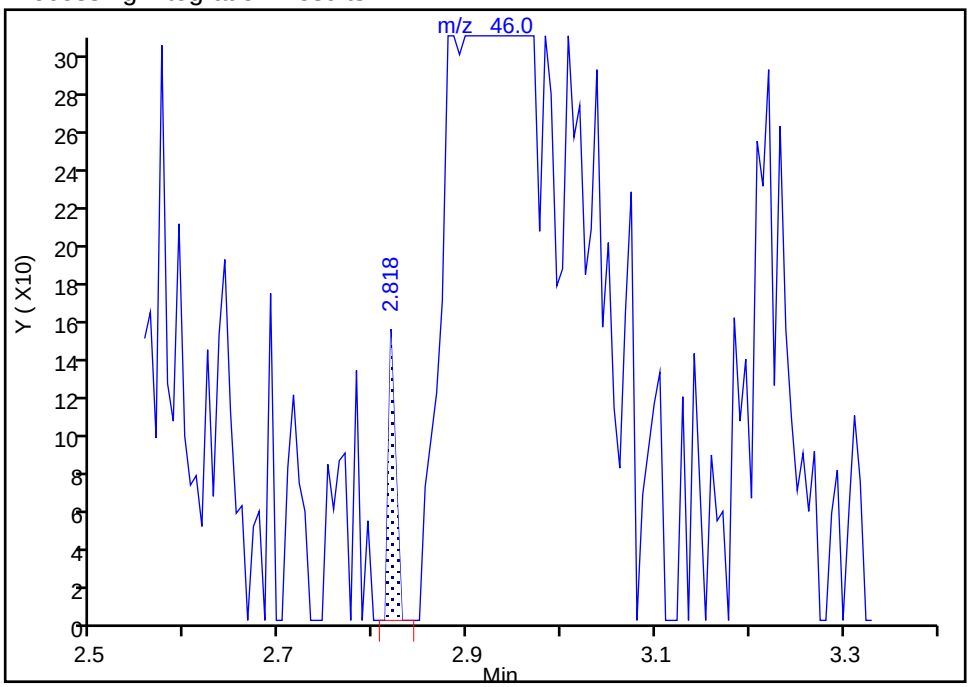
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Injection Date: 11-Jun-2020 02:52:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

15 Ethanol, CAS: 64-17-5

Signal: 1

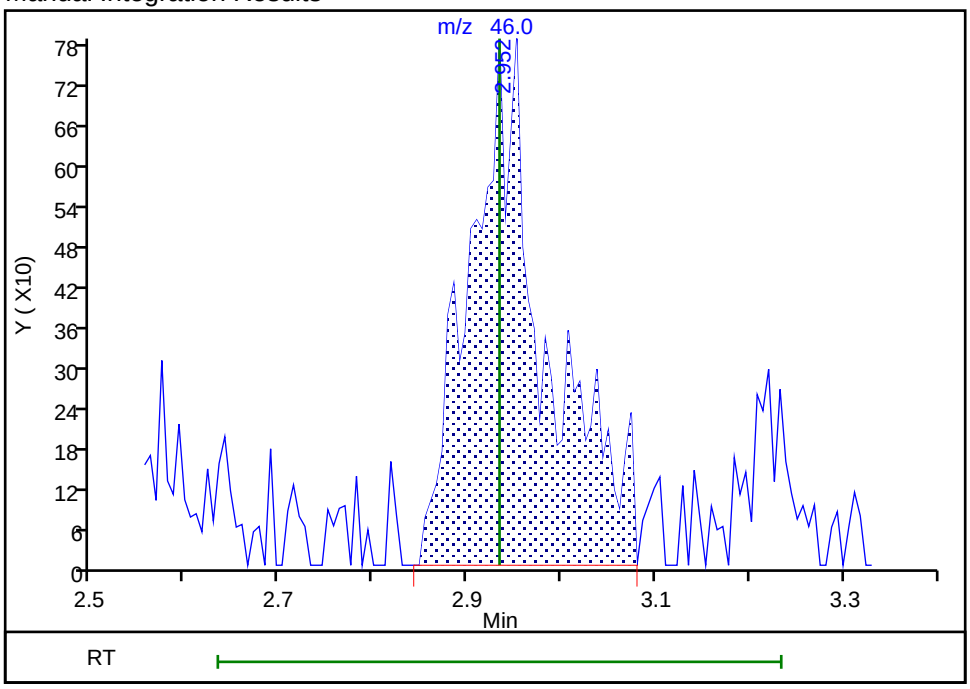
Processing Integration Results

RT: 2.82
Area: 84
Amount: 5.837612
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 4465
Amount: 246.0286
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:41:25
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

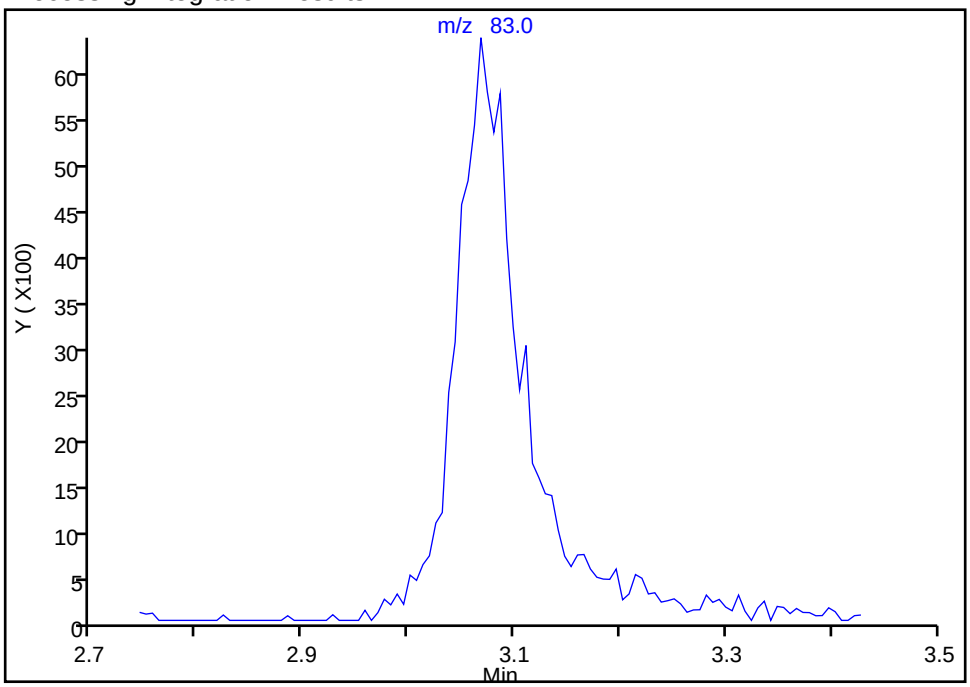
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Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

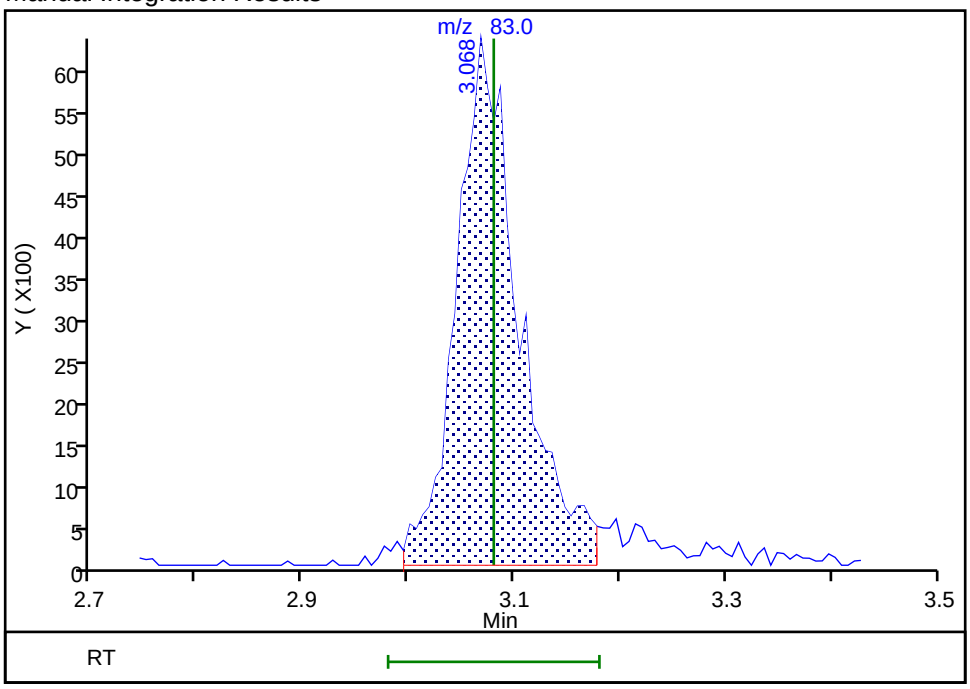
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 26041
Amount: 4.805458
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:41:33
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

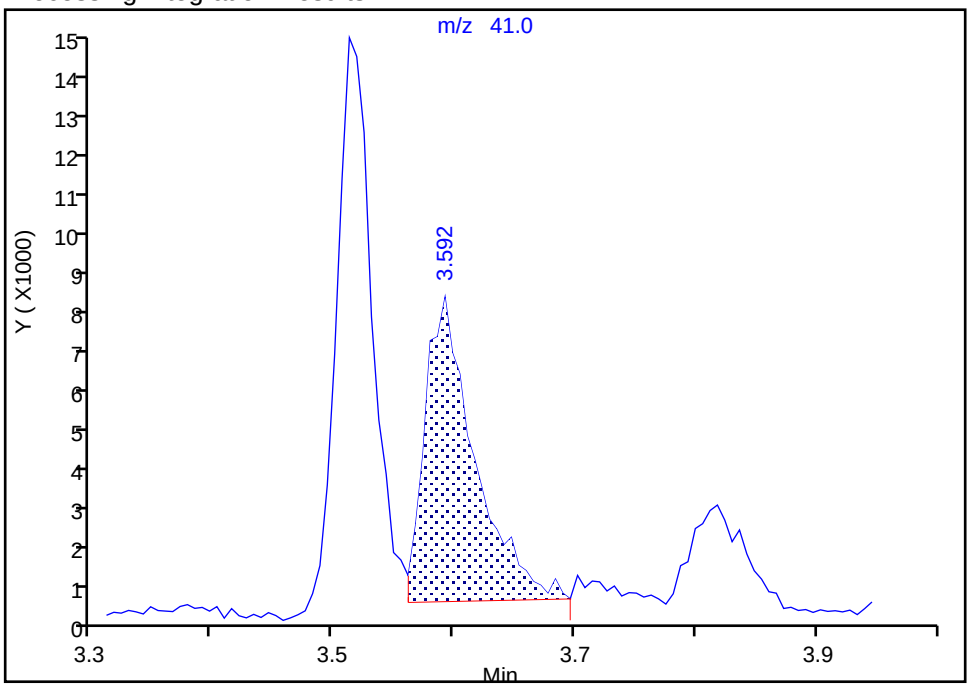
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Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

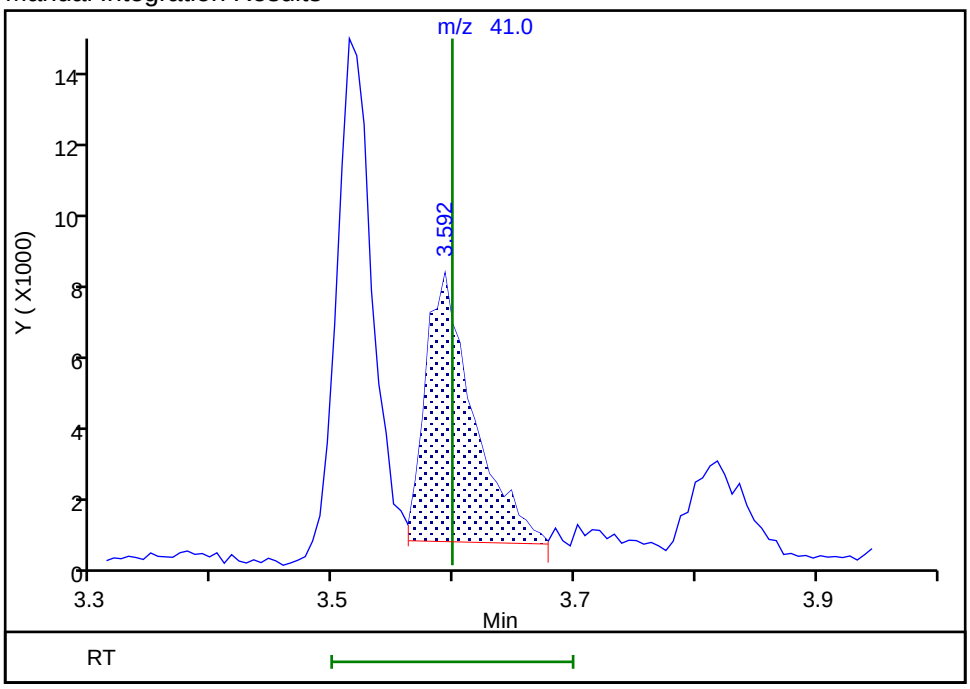
Processing Integration Results

RT: 3.59
Area: 22271
Amount: 74.713768
Amount Units: ug/l



Manual Integration Results

RT: 3.59
Area: 20935
Amount: 56.985146
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:57:55
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

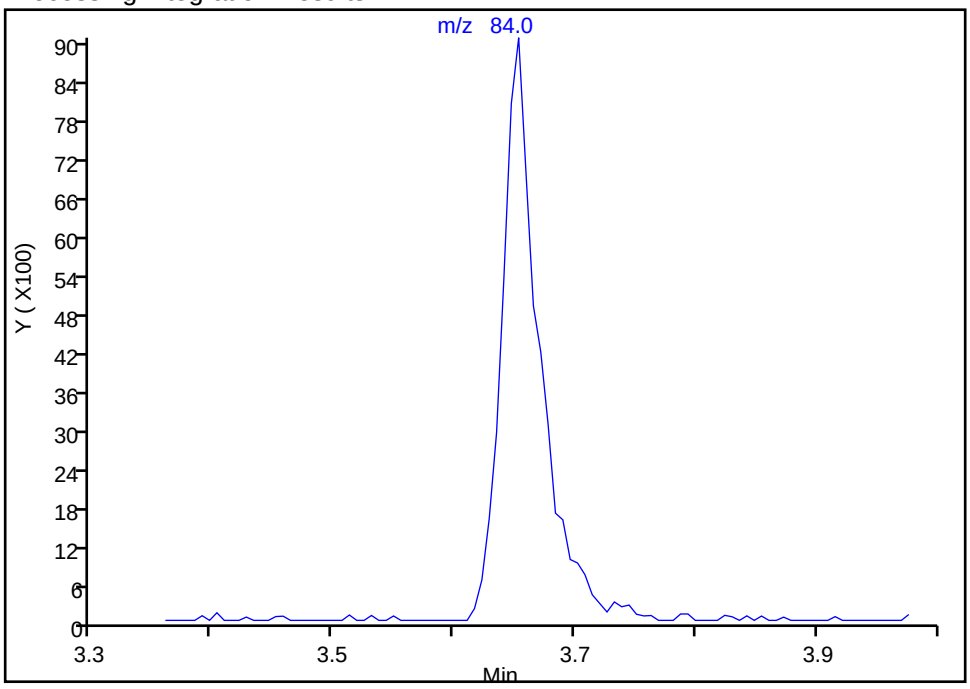
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Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

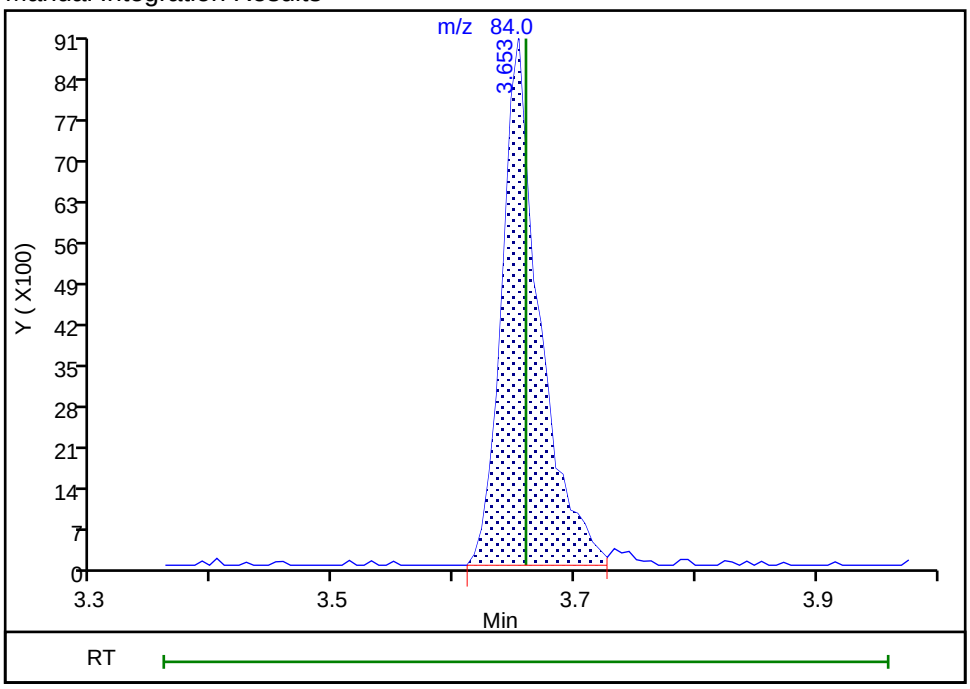
Not Detected
Expected RT: 3.66

Processing Integration Results



Manual Integration Results

RT: 3.65
Area: 19449
Amount: 4.674213
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:41:44
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

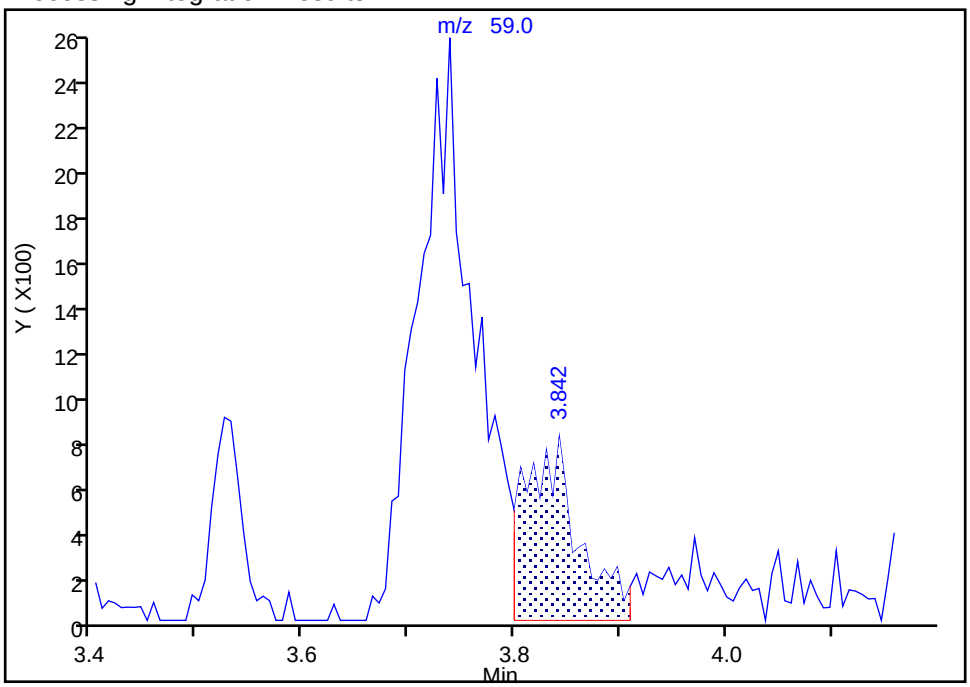
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Injection Date: 11-Jun-2020 02:52:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

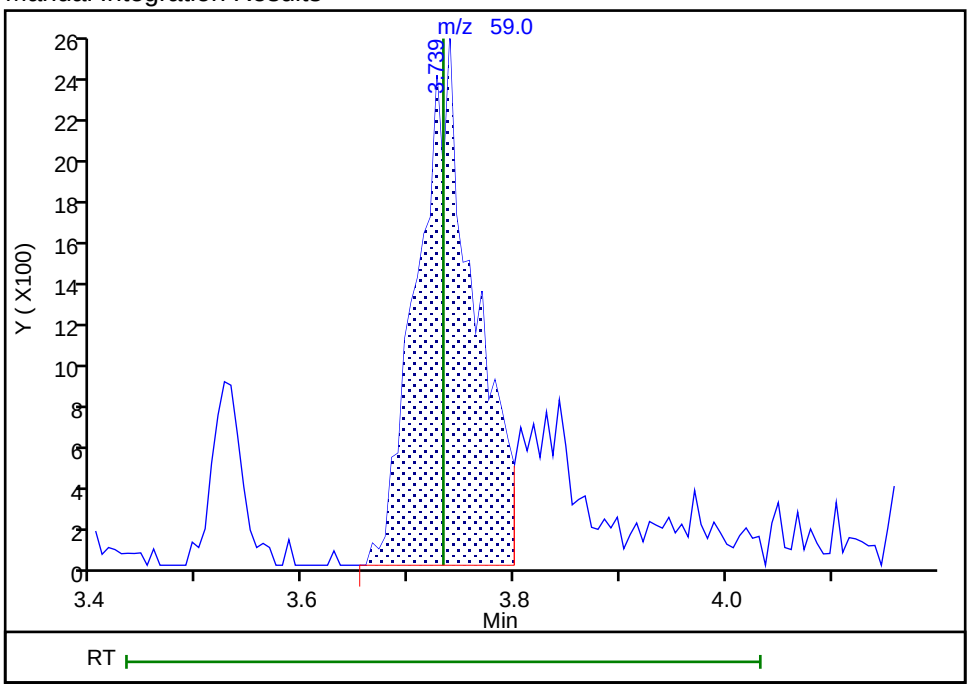
Processing Integration Results

RT: 3.84
Area: 2832
Amount: 14.110879
Amount Units: ug/l



Manual Integration Results

RT: 3.74
Area: 9465
Amount: 42.077408
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:41:52
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

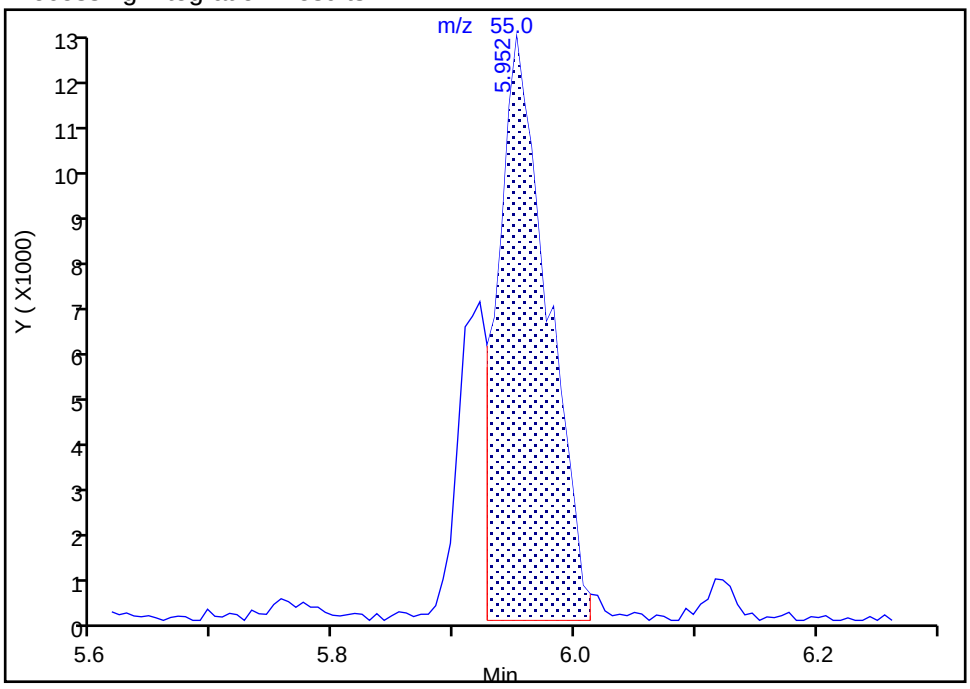
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Injection Date: 11-Jun-2020 02:52:30 Instrument ID: CVOAMS1
Lims ID: STD5
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

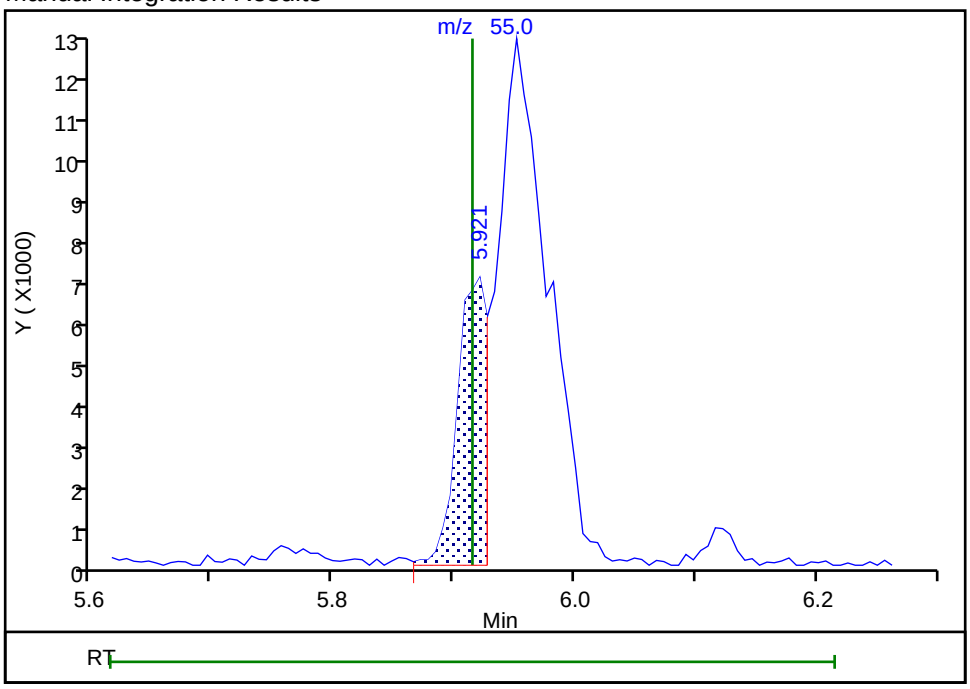
Processing Integration Results

RT: 5.95
Area: 35236
Amount: 10.759003
Amount Units: ug/l



Manual Integration Results

RT: 5.92
Area: 11580
Amount: 3.559738
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:42:10
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89506.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 11-Jun-2020 03:15:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0111447-006
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Jun-2020 18:46:32 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: boykink Date: 11-Jun-2020 04:04:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.544	1.544	0.000	84	7875	20.0	22.1	
2 Chlorotrifluoroethene	116	1.642	1.642	0.000	62	32395	20.0	21.5	a
3 1,1-Difluoroethane	51	1.660	1.660	0.000	93	73944	20.0	20.7	
4 Dichlorodifluoromethane	85	1.684	1.684	0.000	81	101869	20.0	20.7	
5 Chlorodifluoromethane	51	1.709	1.709	0.000	98	85916	20.0	19.5	
6 Chloromethane	50	1.904	1.904	0.000	99	112317	20.0	19.1	
8 Vinyl chloride	62	2.013	2.013	0.000	98	106595	20.0	18.8	
7 Butadiene	39	2.026	2.026	0.000	96	89775	20.0	19.2	
9 Bromomethane	94	2.367	2.367	0.000	98	73128	20.0	18.8	
10 Chloroethane	64	2.465	2.465	0.000	99	57230	20.0	18.0	
11 Dichlorofluoromethane	67	2.684	2.684	0.000	92	128410	20.0	18.4	
12 Trichlorofluoromethane	101	2.696	2.696	0.000	73	96672	20.0	18.7	
13 Pentane	72	2.708	2.708	0.000	97	23649	40.0	34.9	
15 Ethanol	46	2.934	2.934	0.000	85	16025	800.0	724.0	
14 Ethyl ether	59	2.940	2.940	0.000	93	51855	20.0	18.6	
16 2-Methyl-1,3-butadiene	53	2.964	2.964	0.000	96	59858	20.0	18.6	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.019	3.019	0.000	80	67872	20.0	21.4	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.074	3.074	0.000	94	105752	20.0	19.8	a
19 Acrolein	56	3.135	3.135	0.000	93	6796	40.0	45.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.153	3.153	0.000	92	68152	20.0	19.2	
21 1,1-Dichloroethene	96	3.178	3.178	0.000	98	63491	20.0	18.9	
22 Acetone	58	3.275	3.275	0.000	88	32429	100.0	85.2	
23 Iodomethane	142	3.349	3.349	0.000	96	115351	20.0	18.8	
24 Carbon disulfide	76	3.385	3.385	0.000	99	248658	20.0	18.9	
25 Isopropyl alcohol	45	3.385	3.385	0.000	36	47157	200.0	241.5	
26 3-Chloro-1-propene	76	3.519	3.519	0.000	94	42122	20.0	17.6	
27 Methyl acetate	43	3.531	3.531	0.000	73	84688	40.0	36.4	
28 Cyclopentene	67	3.538	3.538	0.000	93	169287	20.0	19.0	
29 Acetonitrile	41	3.599	3.599	0.000	99	81552	200.0	182.0	
* 31 TBA-d9 (IS)	65	3.666	3.666	0.000	89	285585	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.653	3.653	0.000	93	77534	20.0	18.9	
32 2-Methyl-2-propanol	59	3.739	3.739	0.000	91	50307	200.0	183.4	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	98	151031	20.0	19.6	
34 trans-1,2-Dichloroethene	96	3.842	3.842	0.000	95	65667	20.0	18.6	
35 Acrylonitrile	53	3.922	3.922	0.000	95	245061	200.0	189.2	
36 Hexane	43	3.989	3.989	0.000	94	54393	20.0	19.9	
37 Isopropyl ether	45	4.196	4.196	0.000	96	200798	20.0	19.5	
38 1,1-Dichloroethane	63	4.226	4.226	0.000	99	106261	20.0	18.3	
39 Vinyl acetate	86	4.239	4.239	0.000	99	14865	40.0	31.2	
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	91	53533	20.0	18.8	
41 Tert-butyl ethyl ether	59	4.489	4.489	0.000	90	158932	20.0	19.5	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	88	297211	250.0	250.0	
43 2,2-Dichloropropane	97	4.678	4.678	0.000	70	12973	20.0	16.0	
44 cis-1,2-Dichloroethene	96	4.690	4.690	0.000	96	67765	20.0	18.4	
45 Ethyl acetate	70	4.702	4.702	0.000	92	9856	40.0	34.2	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	97	34544	100.0	94.9	
47 Methyl acrylate	55	4.751	4.751	0.000	99	42447	20.0	18.3	
48 Propionitrile	54	4.824	4.824	0.000	99	91495	200.0	188.7	
49 Chlorobromomethane	128	4.885	4.885	0.000	85	31624	20.0	18.1	
50 Tetrahydrofuran	72	4.891	4.891	0.000	64	15334	40.0	37.6	
51 Methacrylonitrile	67	4.909	4.909	0.000	91	253625	200.0	198.3	
52 Chloroform	83	4.928	4.928	0.000	99	98467	20.0	18.9	
53 Cyclohexane	56	5.043	5.043	0.000	91	118056	20.0	19.8	
$ 54 Dibromofluoromethane (Surr)	113	5.056	5.056	0.000	97	132592	50.0	49.9	
55 1,1,1-Trichloroethane	97	5.056	5.056	0.000	81	67488	20.0	17.8	
56 Carbon tetrachloride	117	5.153	5.153	0.000	97	39699	20.0	18.7	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	99	77485	20.0	18.7	
58 Isobutyl alcohol	43	5.251	5.251	0.000	95	21823	500.0	348.6	
59 Isooctane	57	5.299	5.299	0.000	98	217447	20.0	20.6	
60 Benzene	78	5.330	5.330	0.000	94	237313	20.0	19.9	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	87	147290	50.0	48.5	
62 Isopropyl acetate	43	5.354	5.354	0.000	97	140216	20.0	18.8	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	90	45714	20.0	18.5	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	96	68239	20.0	18.7	
65 n-Heptane	71	5.434	5.434	0.000	92	71189	20.0	18.3	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	571290	50.0	50.0	
67 n-Butanol	56	5.763	5.763	0.000	92	13684	500.0	358.1	
68 Trichloroethene	95	5.842	5.842	0.000	99	56308	20.0	18.1	
70 Ethyl acrylate	55	5.915	5.915	0.000	40	46639	20.0	14.4	a
69 Methylcyclohexane	83	5.952	5.952	0.000	97	112975	20.0	19.5	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	94	57118	20.0	18.1	
* 72 1,4-Dioxane-d8	96	6.122	6.122	0.000	94	35090	1000.0	1000.0	
73 Methyl methacrylate	100	6.129	6.129	0.000	85	22966	40.0	35.1	
74 n-Propyl acetate	43	6.165	6.165	0.000	97	58672	20.0	17.9	
76 1,4-Dioxane	88	6.177	6.177	0.000	35	15129	400.0	402.4	
75 Dibromomethane	93	6.202	6.202	0.000	96	34052	20.0	18.4	
77 Dichlorobromomethane	83	6.330	6.330	0.000	98	51469	20.0	17.4	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	95	34216	20.0	18.8	
79 2-Nitropropane	41	6.610	6.610	0.000	78	9574	40.0	40.8	
80 Epichlorohydrin	57	6.695	6.695	0.000	100	89369	400.0	372.1	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	92	61502	20.0	17.3	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	96	273378	100.0	103.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	100	498167	50.0	51.2	
84 Toluene	91	6.982	6.982	0.000	93	235757	20.0	20.1	
86 Ethyl methacrylate	69	7.201	7.201	0.000	83	49722	20.0	14.6	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	92	46556	20.0	18.0	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	96	38631	20.0	19.2	
88 Tetrachloroethene	166	7.384	7.384	0.000	97	51642	20.0	18.7	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	92	82332	20.0	19.9	
90 2-Hexanone	43	7.494	7.494	0.000	96	169935	100.0	100.0	
91 n-Butyl acetate	73	7.543	7.543	0.000	98	9919	20.0	15.9	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	28010	20.0	17.0	
93 Ethylene Dibromide	107	7.720	7.720	0.000	97	38208	20.0	18.4	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	86	384875	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	97	141597	20.0	19.5	
96 Ethylbenzene	106	8.061	8.061	0.000	98	83501	20.0	19.5	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	82	31258	20.0	18.7	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	99	101986	20.0	19.7	
99 n-Butyl acrylate	73	8.335	8.335	0.000	97	23222	20.0	14.1	
100 o-Xylene	106	8.390	8.390	0.000	94	103490	20.0	19.7	
101 Styrene	104	8.402	8.402	0.000	95	162657	20.0	20.1	
102 Amyl acetate (mixed isomers)	43	8.470	8.470	0.000	90	61689	20.0	13.8	
103 Bromoform	173	8.543	8.543	0.000	94	14960	20.0	18.3	
104 Isopropylbenzene	105	8.591	8.591	0.000	95	275658	20.0	19.9	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	89	142924	50.0	50.8	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	63017	20.0	19.2	
107 Bromobenzene	156	8.811	8.811	0.000	97	61126	20.0	19.1	
108 N-Propylbenzene	91	8.829	8.829	0.000	99	331276	20.0	20.2	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.841	0.000	67	13858	20.0	17.7	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	92	18792	20.0	19.5	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	287570	20.0	20.7	
112 2-Chlorotoluene	91	8.908	8.908	0.000	96	241182	20.0	20.3	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	93	239649	20.0	20.2	
114 Butyl Methacrylate	87	8.957	8.957	0.000	88	50268	20.0	12.8	
115 4-Chlorotoluene	91	8.969	8.969	0.000	98	190719	20.0	20.8	
116 tert-Butylbenzene	119	9.110	9.110	0.000	94	179888	20.0	19.8	
117 1,2,4-Trimethylbenzene	105	9.140	9.140	0.000	98	240129	20.0	19.8	
118 sec-Butylbenzene	105	9.232	9.232	0.000	99	302755	20.0	19.9	
119 4-Isopropyltoluene	119	9.311	9.311	0.000	98	257179	20.0	19.8	
120 1,3-Dichlorobenzene	146	9.341	9.341	0.000	96	125599	20.0	19.8	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	97	209761	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.396	9.396	0.000	72	126500	20.0	19.6	
123 1,2,3-Trimethylbenzene	105	9.396	9.396	0.000	97	256475	20.0	19.7	
124 Benzyl chloride	91	9.475	9.475	0.000	98	45539	20.0	18.1	
125 2,3-Dihydroindene	117	9.530	9.530	0.000	92	273440	20.0	19.9	
126 p-Diethylbenzene	119	9.536	9.536	0.000	92	154879	20.0	20.1	
127 n-Butylbenzene	92	9.555	9.555	0.000	98	149651	20.0	20.5	
128 1,2-Dichlorobenzene	146	9.628	9.628	0.000	96	130333	20.0	19.7	
129 1,2,4,5-Tetramethylbenzene	119	10.048	10.048	0.000	98	245547	20.0	20.7	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	79	4953	20.0	12.6	
131 1,3,5-Trichlorobenzene	180	10.262	10.262	0.000	97	106105	20.0	20.3	
132 1,2,4-Trichlorobenzene	180	10.774	10.774	0.000	94	78567	20.0	19.3	
133 Hexachlorobutadiene	225	10.847	10.847	0.000	95	37147	20.0	19.1	
134 Naphthalene	128	11.018	11.018	0.000	99	149442	20.0	20.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.243	11.243	0.000	96	51645	20.0	19.6	
S 136 1,2-Dichloroethene, Total	100				0		40.0	37.0	
S 137 Xylenes, Total	100				0		40.0	39.4	
S 138 Total BTEX	1				0		100.0	98.9	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00371	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00119	Amount Added:	20.00	Units: uL	
524freon_00023	Amount Added:	20.00	Units: uL	
ACROLEIN W_00107	Amount Added:	4.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added:	1.00	Units: uL	Run Reagent

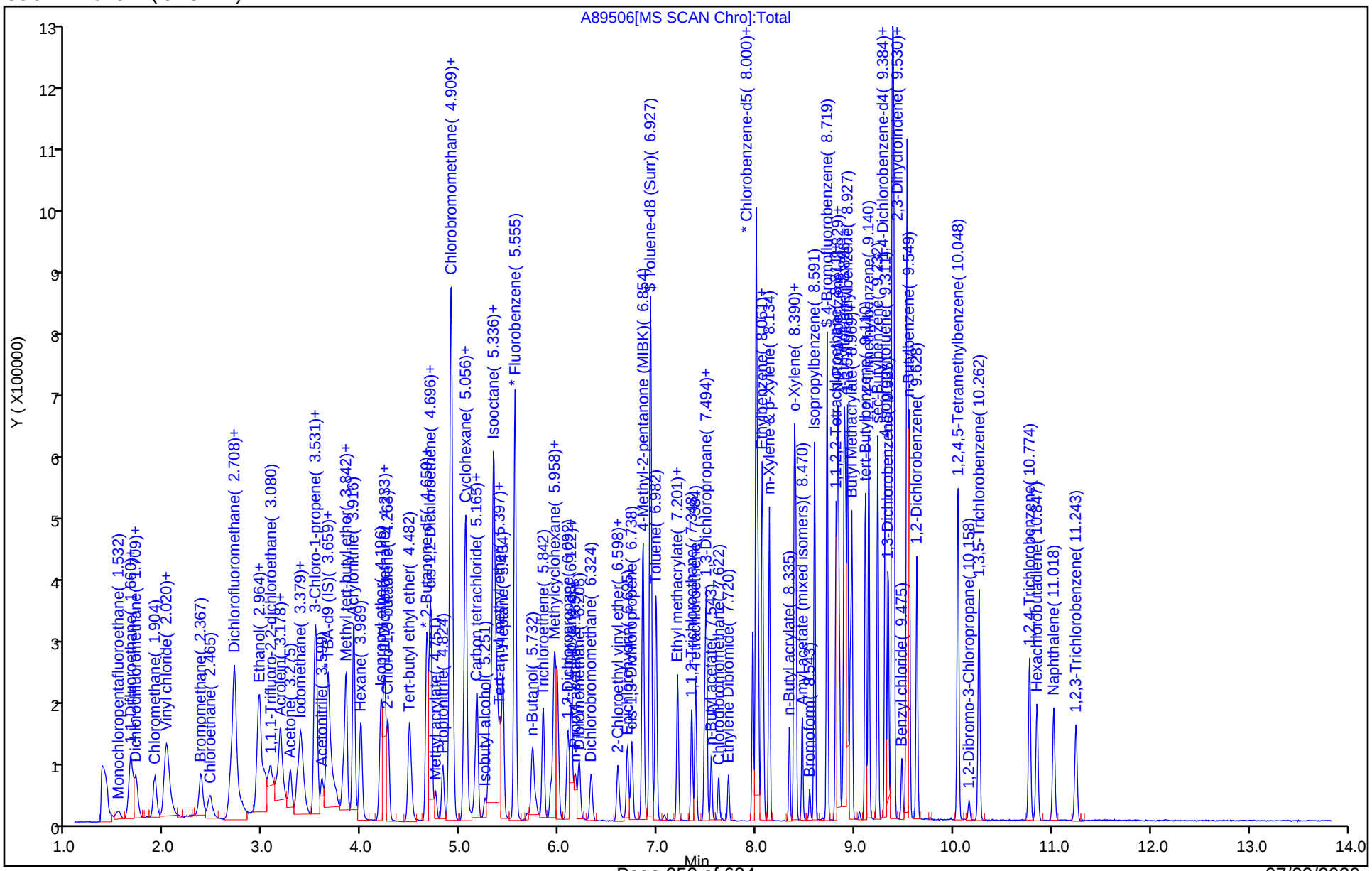
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89506.D

Injection Date:	11-Jun-2020 03:15:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD20			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

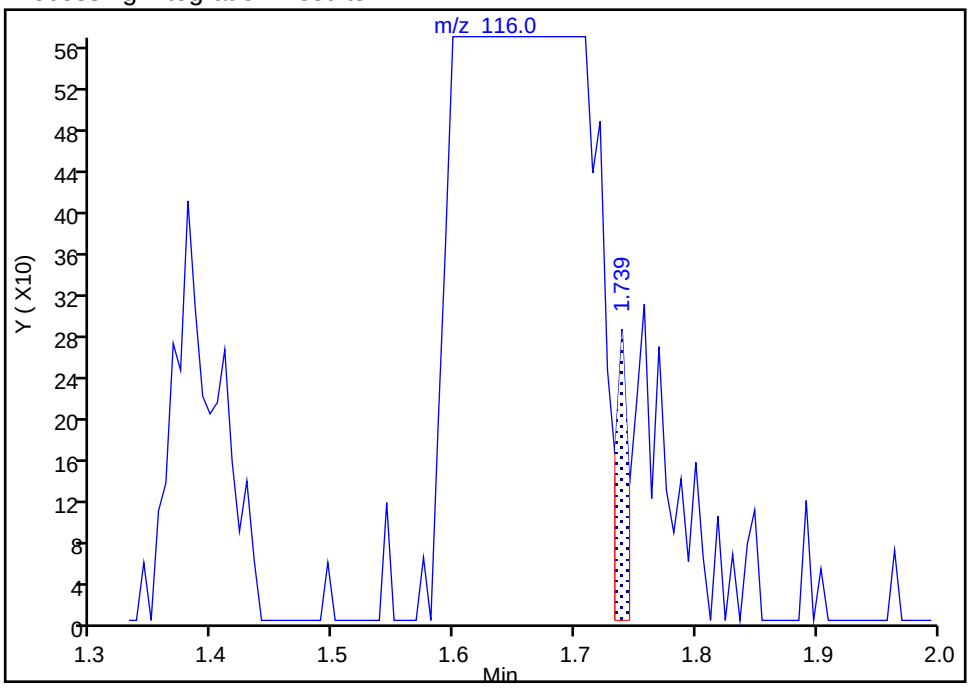
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89506.D
Injection Date: 11-Jun-2020 03:15:30 Instrument ID: CVOAMS1
Lims ID: STD20
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

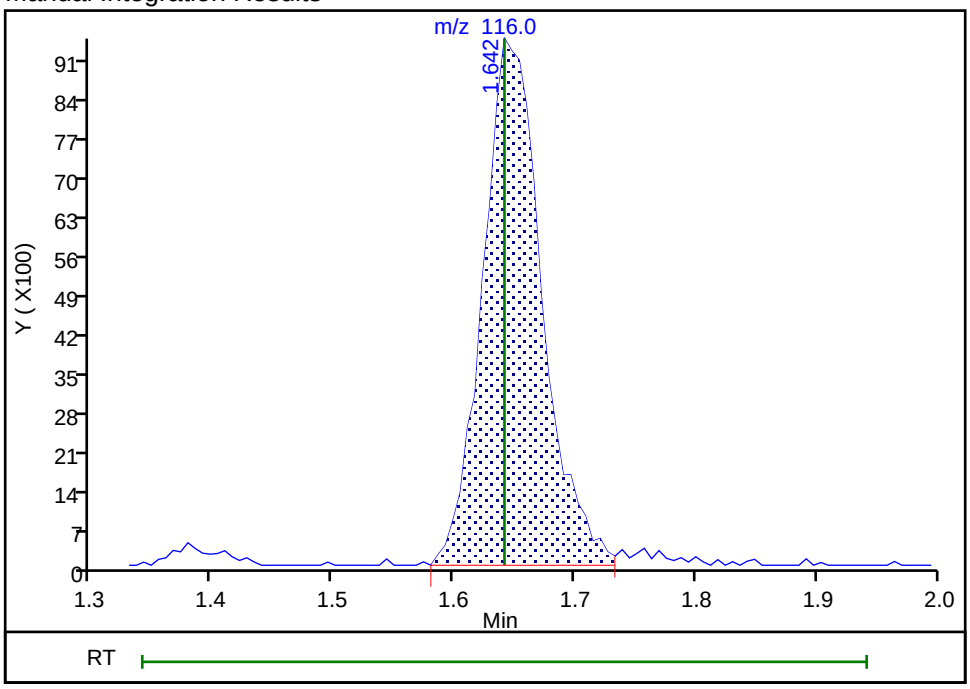
Processing Integration Results

RT: 1.74
Area: 210
Amount: 0.161428
Amount Units: ug/l



Manual Integration Results

RT: 1.64
Area: 32395
Amount: 21.516054
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:56:42
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

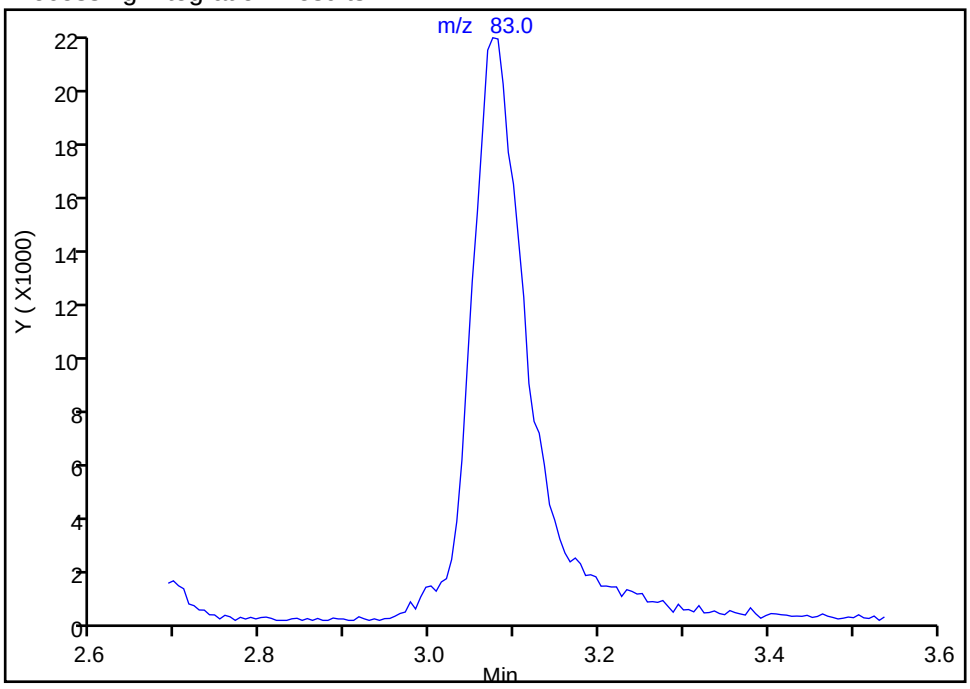
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Injection Date: 11-Jun-2020 03:15:30 Instrument ID: CVOAMS1
Lims ID: STD20
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

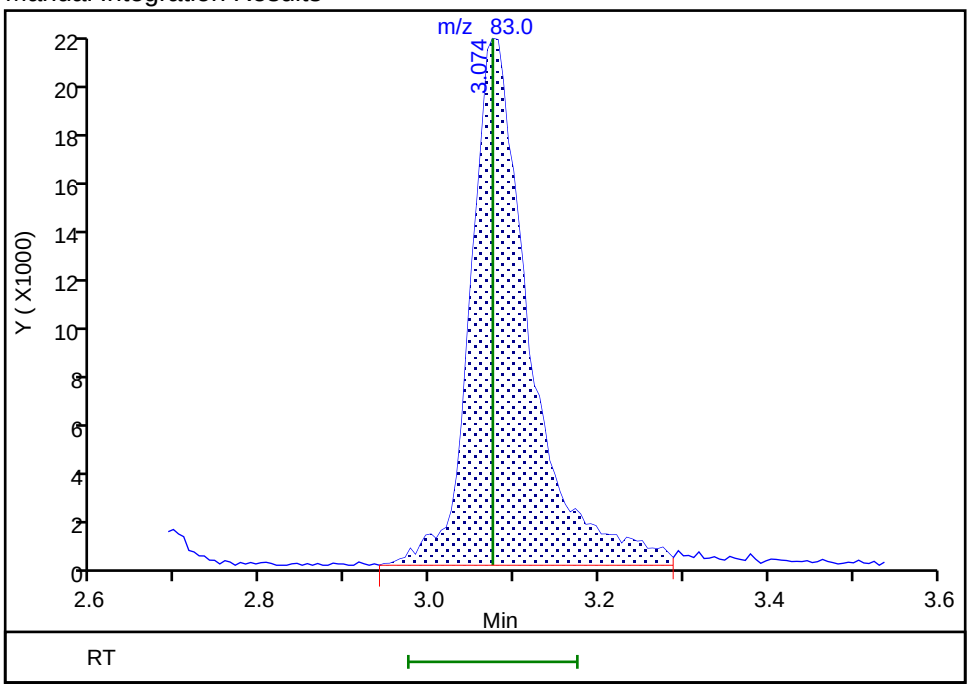
Not Detected
Expected RT: 3.07

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 105752
Amount: 19.806320
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:33:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

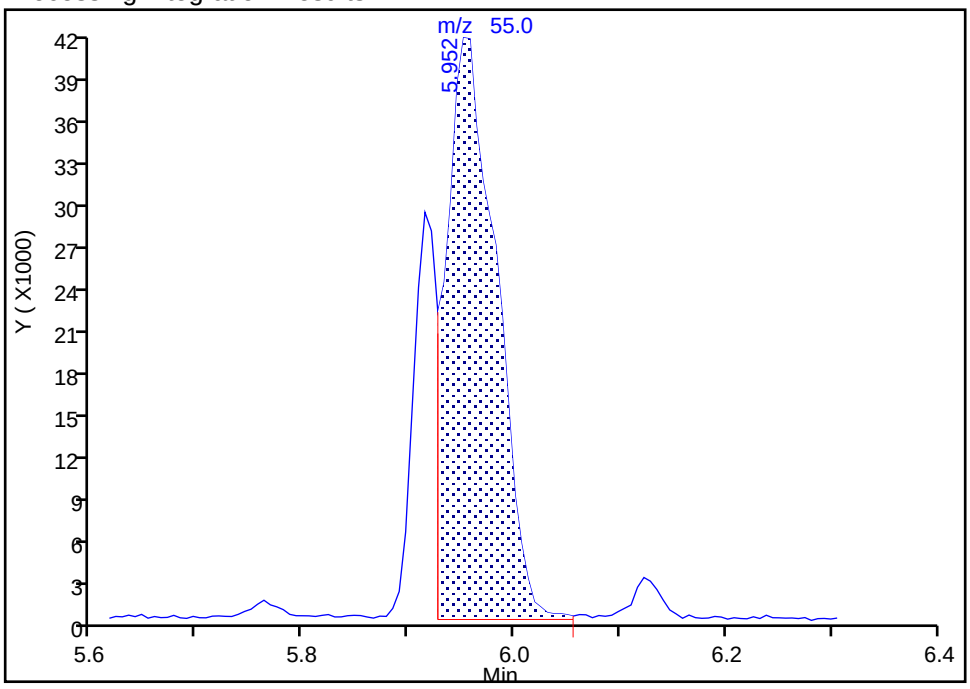
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Injection Date: 11-Jun-2020 03:15:30 Instrument ID: CVOAMS1
Lims ID: STD20
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

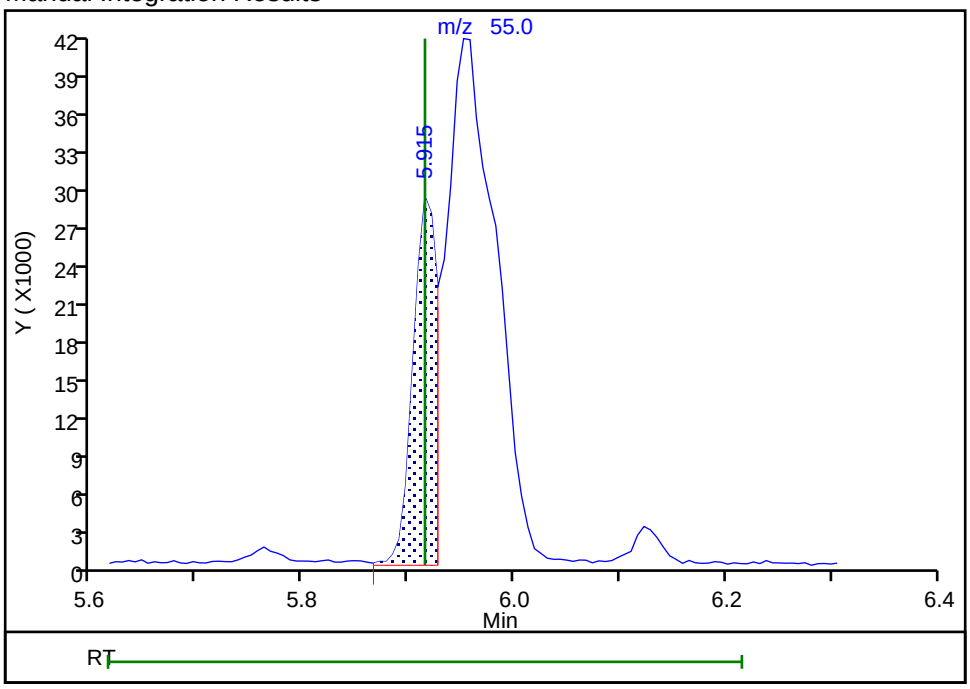
Processing Integration Results

RT: 5.95
Area: 137882
Amount: 48.361640
Amount Units: ug/l



Manual Integration Results

RT: 5.92
Area: 46639
Amount: 14.449698
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:33:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89507.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 11-Jun-2020 03:39:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0111447-007
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Jun-2020 18:46:48 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: boykink Date: 11-Jun-2020 04:00:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.544	1.544	0.000	97	20853	50.0	57.2	
2 Chlorotrifluoroethene	116	1.654	1.654	0.000	63	78098	50.0	50.6	
3 1,1-Difluoroethane	51	1.660	1.660	0.000	93	188394	50.0	51.4	
4 Dichlorodifluoromethane	85	1.696	1.696	0.000	100	259424	50.0	51.3	
5 Chlorodifluoromethane	51	1.715	1.715	0.000	98	242137	50.0	53.6	
6 Chloromethane	50	1.904	1.904	0.000	99	309367	50.0	51.4	
8 Vinyl chloride	62	2.013	2.013	0.000	98	288669	50.0	49.6	
7 Butadiene	39	2.032	2.032	0.000	96	241735	50.0	50.4	
9 Bromomethane	94	2.367	2.367	0.000	98	195060	50.0	48.8	
10 Chloroethane	64	2.458	2.458	0.000	99	162014	50.0	49.8	
11 Dichlorofluoromethane	67	2.684	2.684	0.000	98	348933	50.0	48.9	
12 Trichlorofluoromethane	101	2.702	2.702	0.000	62	258977	50.0	48.8	a
13 Pentane	72	2.714	2.714	0.000	98	57982	100.0	82.9	
15 Ethanol	46	2.934	2.934	0.000	80	40946	2000.0	1790.1	
14 Ethyl ether	59	2.946	2.946	0.000	93	140383	50.0	49.1	
16 2-Methyl-1,3-butadiene	53	2.971	2.971	0.000	95	157746	50.0	47.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.013	3.013	0.000	86	160903	50.0	49.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.080	3.080	0.000	91	279046	50.0	51.0	a
19 Acrolein	56	3.135	3.135	0.000	41	16839	100.0	109.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.160	3.160	0.000	92	172437	50.0	47.3	
21 1,1-Dichloroethene	96	3.184	3.184	0.000	97	180778	50.0	52.4	
22 Acetone	58	3.275	3.275	0.000	88	83859	250.0	206.9	
23 Iodomethane	142	3.355	3.355	0.000	97	314054	50.0	49.9	
24 Carbon disulfide	76	3.385	3.385	0.000	99	695544	50.0	51.5	
25 Isopropyl alcohol	45	3.385	3.385	0.000	35	120573	500.0	589.7	
26 3-Chloro-1-propene	76	3.525	3.525	0.000	94	122262	50.0	49.8	
27 Methyl acetate	43	3.537	3.537	0.000	99	241535	100.0	101.3	
28 Cyclopentene	67	3.544	3.544	0.000	94	466363	50.0	51.2	
29 Acetonitrile	41	3.598	3.598	0.000	98	215289	500.0	465.0	
30 Methylene Chloride	84	3.659	3.659	0.000	92	209341	50.0	49.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.659	3.659	0.000	97	295113	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.733	3.733	0.000	99	130054	500.0	458.7	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	97	391678	50.0	49.5	
34 trans-1,2-Dichloroethene	96	3.842	3.842	0.000	95	175765	50.0	48.7	
35 Acrylonitrile	53	3.922	3.922	0.000	95	667046	500.0	502.4	
36 Hexane	43	3.995	3.995	0.000	92	131831	50.0	47.1	
37 Isopropyl ether	45	4.196	4.196	0.000	97	548434	50.0	52.0	
38 1,1-Dichloroethane	63	4.232	4.232	0.000	100	294433	50.0	49.5	
39 Vinyl acetate	86	4.239	4.239	0.000	99	46744	100.0	95.1	
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	90	149115	50.0	51.1	
41 Tert-butyl ethyl ether	59	4.489	4.489	0.000	90	431637	50.0	51.7	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	93	316630	250.0	250.0	
43 2,2-Dichloropropane	97	4.690	4.690	0.000	94	38820	50.0	46.8	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	98	188121	50.0	49.7	
45 Ethyl acetate	70	4.708	4.708	0.000	95	28328	100.0	92.4	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	97	89452	250.0	230.8	
47 Methyl acrylate	55	4.751	4.751	0.000	99	121314	50.0	51.1	
48 Propionitrile	54	4.824	4.824	0.000	98	240929	500.0	480.9	
49 Chlorobromomethane	128	4.891	4.891	0.000	85	87270	50.0	48.7	
50 Tetrahydrofuran	72	4.891	4.891	0.000	64	42365	100.0	97.6	
51 Methacrylonitrile	67	4.909	4.909	0.000	91	678974	500.0	517.7	
52 Chloroform	83	4.927	4.927	0.000	99	270035	50.0	50.4	
53 Cyclohexane	56	5.043	5.043	0.000	91	290257	50.0	47.4	
$ 54 Dibromofluoromethane (Surr)	113	5.055	5.055	0.000	97	135848	50.0	49.8	
55 1,1,1-Trichloroethane	97	5.055	5.055	0.000	97	188107	50.0	48.3	
56 Carbon tetrachloride	117	5.153	5.153	0.000	98	121537	50.0	53.2	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	98	209431	50.0	49.4	
58 Isobutyl alcohol	43	5.251	5.251	0.000	92	75750	1250.0	1106.2	
59 Isooctane	57	5.299	5.299	0.000	99	532013	50.0	49.1	
60 Benzene	78	5.336	5.336	0.000	96	645777	50.0	51.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	98	153784	50.0	49.4	
62 Isopropyl acetate	43	5.354	5.354	0.000	98	414230	50.0	54.0	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	92	131319	50.0	52.0	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	97	191287	50.0	51.2	
65 n-Heptane	71	5.433	5.433	0.000	92	191287	50.0	48.1	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	585737	50.0	50.0	
67 n-Butanol	56	5.763	5.763	0.000	88	45096	1250.0	1082.1	
68 Trichloroethene	95	5.842	5.842	0.000	99	155459	50.0	48.6	
70 Ethyl acrylate	55	5.915	5.915	0.000	97	164841	50.0	48.7	a
69 Methylcyclohexane	83	5.952	5.952	0.000	96	281295	50.0	47.4	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	87	162444	50.0	50.1	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	97	37329	1000.0	1000.0	
73 Methyl methacrylate	100	6.128	6.128	0.000	88	71123	100.0	106.1	
74 n-Propyl acetate	43	6.165	6.165	0.000	99	182194	50.0	54.2	
76 1,4-Dioxane	88	6.177	6.177	0.000	89	39378	1000.0	984.5	
75 Dibromomethane	93	6.202	6.202	0.000	98	92017	50.0	48.4	
77 Dichlorobromomethane	83	6.330	6.330	0.000	99	151963	50.0	50.0	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	96	94038	50.1	50.4	
79 2-Nitropropane	41	6.610	6.610	0.000	75	25228	100.0	104.3	
80 Epichlorohydrin	57	6.695	6.695	0.000	99	263396	1000.0	1029.4	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	92	193706	50.0	51.8	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	96	750208	250.0	265.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	99	523661	50.0	51.2	
84 Toluene	91	6.982	6.982	0.000	94	633262	50.0	51.3	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	91	148022	50.0	54.4	
86 Ethyl methacrylate	69	7.201	7.201	0.000	83	161658	50.0	45.8	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	97	109058	50.0	51.7	
88 Tetrachloroethene	166	7.390	7.390	0.000	98	143523	50.0	49.4	
89 1,3-Dichloropropane	76	7.476	7.476	0.000	98	220257	50.0	50.6	
90 2-Hexanone	43	7.494	7.494	0.000	97	461279	250.0	254.9	
91 n-Butyl acetate	73	7.543	7.543	0.000	99	33582	50.0	50.3	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	88081	50.0	50.8	
93 Ethylene Dibromide	107	7.720	7.720	0.000	100	116167	50.0	53.1	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	89	404594	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	98	386711	50.0	50.5	
96 Ethylbenzene	106	8.061	8.061	0.000	98	226860	50.0	50.4	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	89	99186	50.0	53.7	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	275095	50.0	50.6	
99 n-Butyl acrylate	73	8.335	8.335	0.000	98	82388	50.0	46.5	
100 o-Xylene	106	8.384	8.384	0.000	94	289451	50.0	52.3	
101 Styrene	104	8.402	8.402	0.000	96	448936	50.0	52.7	
102 Amyl acetate (mixed isomers)	43	8.469	8.469	0.000	91	218908	50.0	47.6	
103 Bromoform	173	8.543	8.543	0.000	96	47608	50.0	52.0	
104 Isopropylbenzene	105	8.591	8.591	0.000	96	747559	50.0	51.3	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	90	147248	50.0	49.8	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	175565	50.0	52.1	
107 Bromobenzene	156	8.811	8.811	0.000	98	163192	50.0	49.6	
108 N-Propylbenzene	91	8.829	8.829	0.000	99	886100	50.0	52.6	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.841	0.000	72	38240	50.0	47.5	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	96	50301	50.0	50.9	
111 4-Ethyltoluene	105	8.890	8.890	0.000	98	719459	50.0	50.5	
112 2-Chlorotoluene	91	8.908	8.908	0.000	96	658178	50.0	53.8	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	93	646711	50.0	53.0	
114 Butyl Methacrylate	87	8.951	8.951	0.000	90	181872	50.0	44.7	
115 4-Chlorotoluene	91	8.969	8.969	0.000	98	500217	50.0	53.1	
116 tert-Butylbenzene	119	9.103	9.103	0.000	94	517632	50.0	55.4	
117 1,2,4-Trimethylbenzene	105	9.140	9.140	0.000	97	654006	50.0	52.4	
118 sec-Butylbenzene	105	9.231	9.231	0.000	99	839231	50.0	53.7	
119 4-Isopropyltoluene	119	9.305	9.305	0.000	98	700518	50.0	52.6	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	96	329028	50.0	50.4	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	96	215525	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.390	0.000	73	333873	50.0	50.3	
123 1,2,3-Trimethylbenzene	105	9.396	9.396	0.000	98	697459	50.0	52.0	
124 Benzyl chloride	91	9.475	9.475	0.000	98	143297	50.0	52.1	
125 2,3-Dihydroindene	117	9.524	9.524	0.000	93	720005	50.0	50.9	
126 p-Diethylbenzene	119	9.530	9.530	0.000	93	419410	50.0	52.9	
127 n-Butylbenzene	92	9.549	9.549	0.000	98	390448	50.0	52.2	
128 1,2-Dichlorobenzene	146	9.628	9.628	0.000	96	342257	50.0	50.2	
129 1,2,4,5-Tetramethylbenzene	119	10.042	10.042	0.000	97	673719	50.0	55.4	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	87	17333	50.0	42.2	
131 1,3,5-Trichlorobenzene	180	10.256	10.256	0.000	97	275215	50.0	51.2	
132 1,2,4-Trichlorobenzene	180	10.768	10.768	0.000	94	214691	50.0	51.4	
133 Hexachlorobutadiene	225	10.847	10.847	0.000	96	101799	50.0	51.1	
134 Naphthalene	128	11.018	11.018	0.000	99	425236	50.0	55.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.243	11.243	0.000	96	147465	50.0	54.4	
S 136 1,2-Dichloroethene, Total	100				0		100.0	98.4	
S 137 Xylenes, Total	100				0		100.0	102.9	
S 138 Total BTEX	1				0		250.0	256.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00371	Amount Added:	50.00	Units: uL	
8260MIX1COMB_00119	Amount Added:	50.00	Units: uL	
524freon_00023	Amount Added:	50.00	Units: uL	
ACROLEIN W_00107	Amount Added:	10.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added:	1.00	Units: uL	Run Reagent

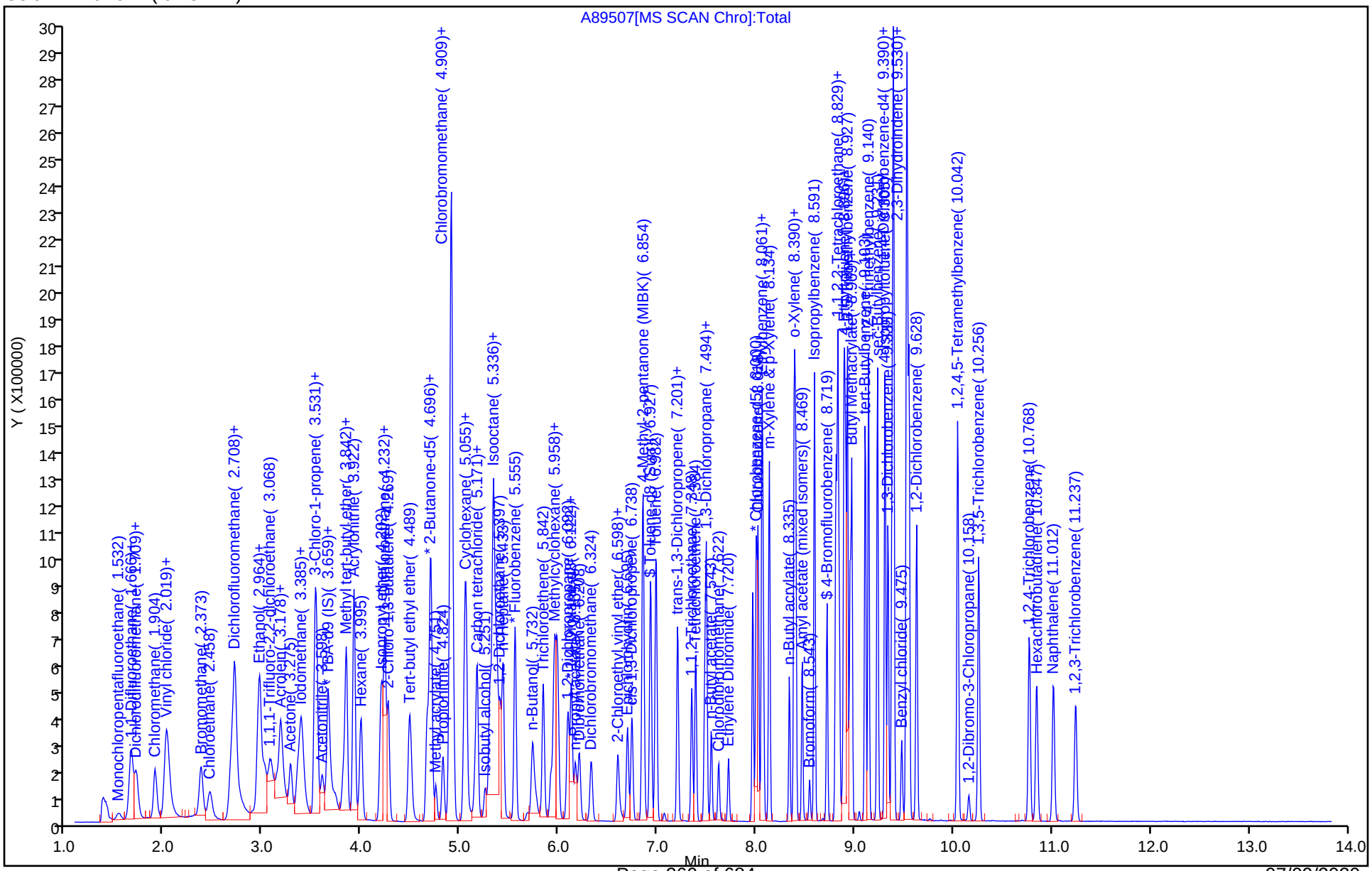
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89507.D

Injection Date:	11-Jun-2020 03:39:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD50			Worklist Smp#:	7
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

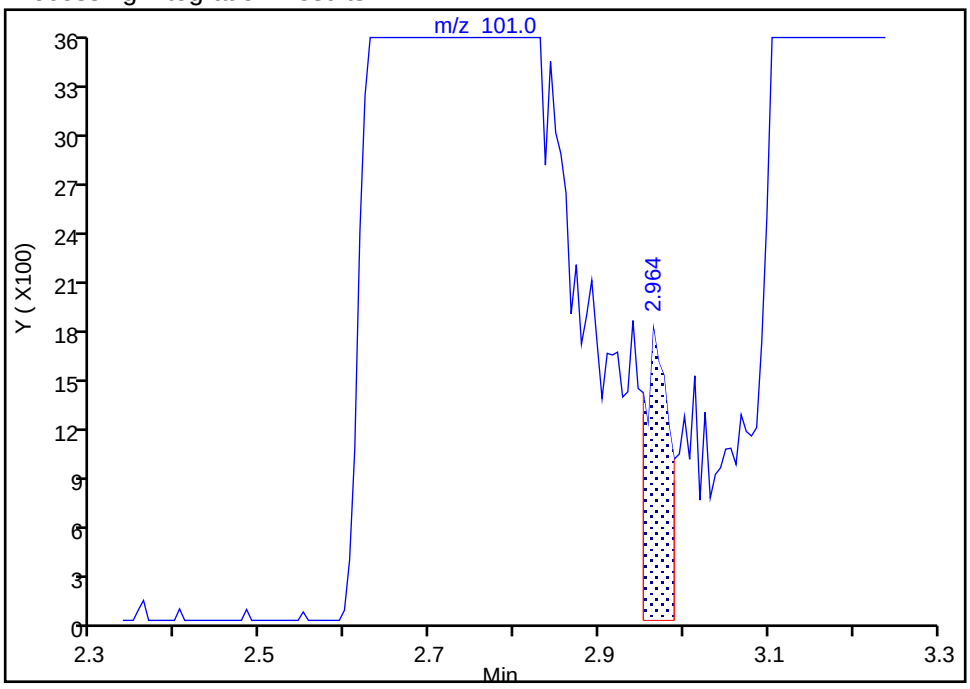
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Injection Date: 11-Jun-2020 03:39:30 Instrument ID: CVOAMS1
Lims ID: STD50
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

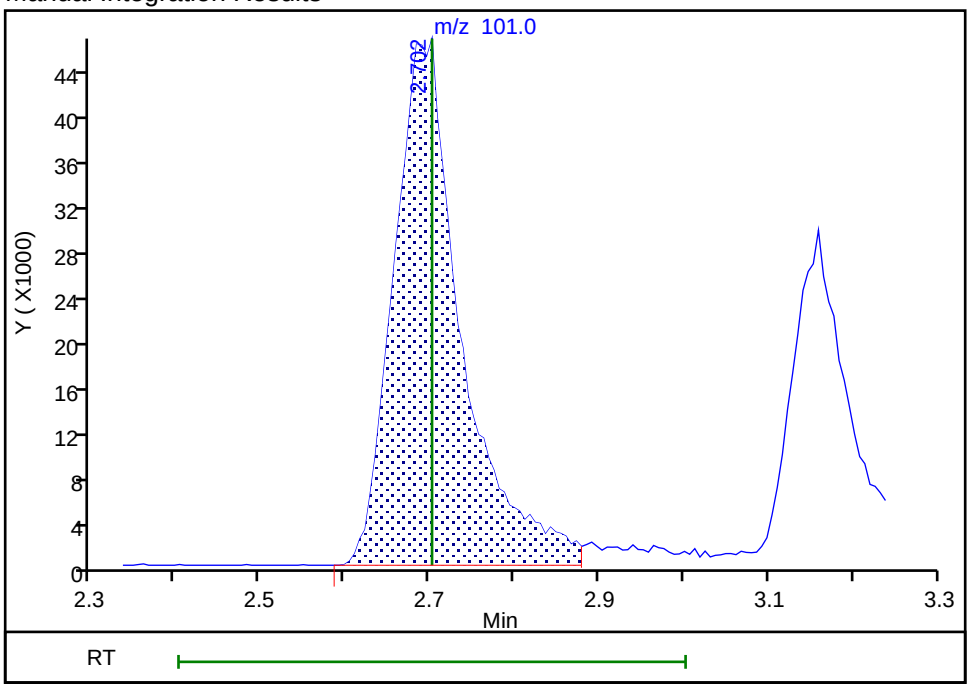
Processing Integration Results

RT: 2.96
Area: 3453
Amount: 0.822181
Amount Units: ug/l



Manual Integration Results

RT: 2.70
Area: 258977
Amount: 48.767581
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:35:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

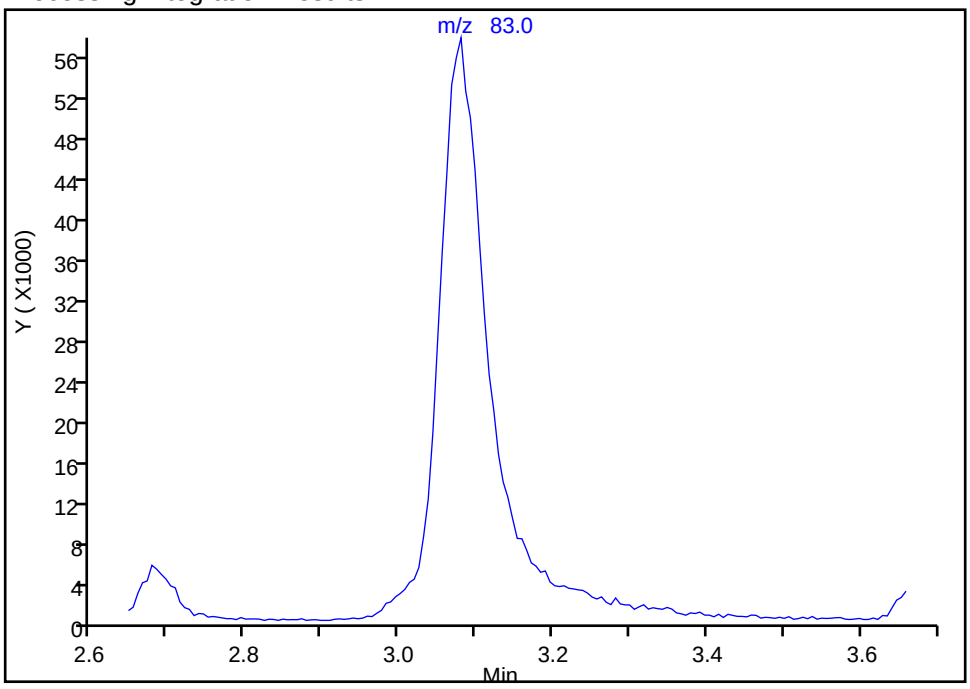
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Injection Date: 11-Jun-2020 03:39:30 Instrument ID: CVOAMS1
Lims ID: STD50
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

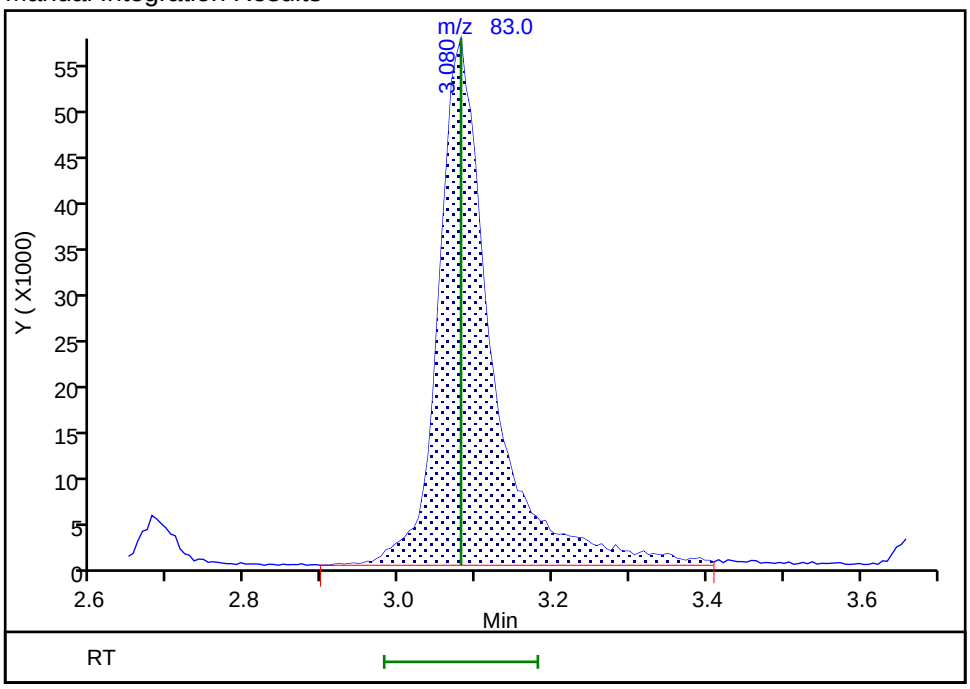
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 279046
Amount: 50.973559
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:35:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

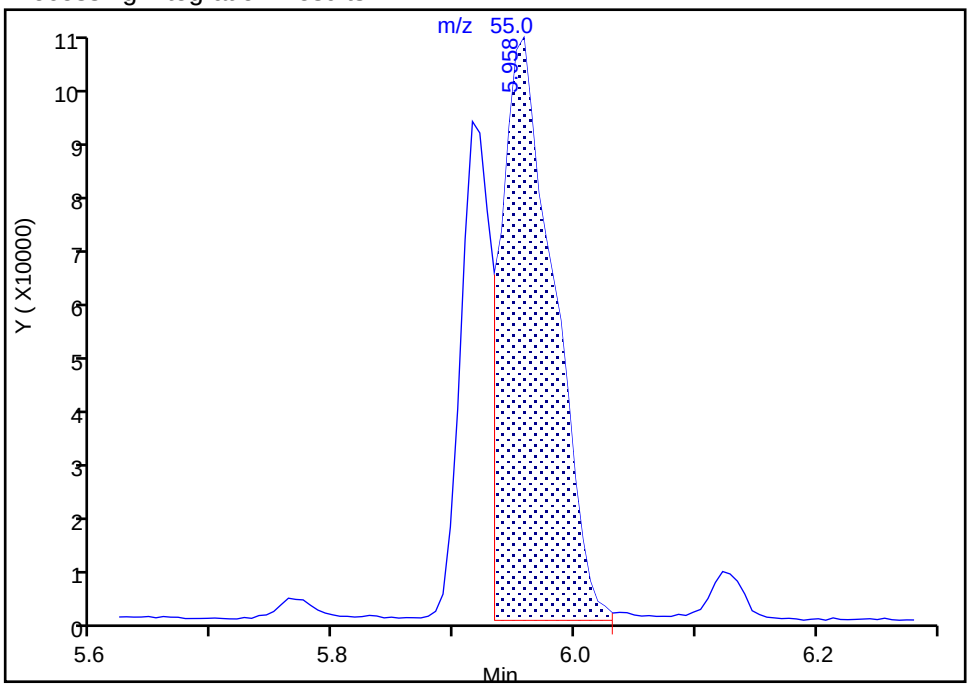
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Injection Date: 11-Jun-2020 03:39:30 Instrument ID: CVOAMS1
Lims ID: STD50
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

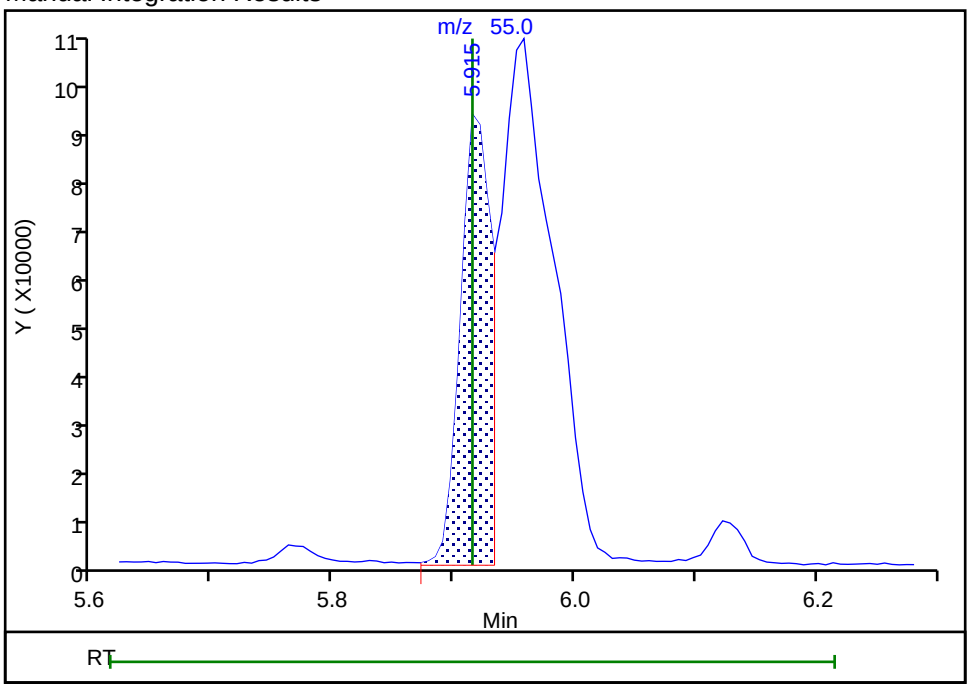
Processing Integration Results

RT: 5.96
Area: 324803
Amount: 112.4292
Amount Units: ug/l



Manual Integration Results

RT: 5.92
Area: 164841
Amount: 48.741476
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:36:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89508.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 11-Jun-2020 04:02:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0111447-008
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Jun-2020 18:47:04 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: boykink Date: 11-Jun-2020 04:20:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.526	1.544	-0.018	93	55922	200.0	142.3	
2 Chlorotrifluoroethene	116	1.642	1.654	-0.012	86	299542	200.0	180.0	
3 1,1-Difluoroethane	51	1.654	1.660	-0.006	93	697497	200.0	176.3	
4 Dichlorodifluoromethane	85	1.678	1.696	-0.018	100	1076270	200.0	197.5	
5 Chlorodifluoromethane	51	1.709	1.715	-0.006	98	807313	200.0	165.7	
6 Chloromethane	50	1.898	1.904	-0.006	99	1203724	200.0	185.4	
8 Vinyl chloride	62	2.001	2.013	-0.012	98	1181673	200.0	188.2	
7 Butadiene	39	2.020	2.032	-0.012	96	1020339	200.0	197.4	
9 Bromomethane	94	2.361	2.367	-0.006	99	793970	200.0	184.4	
10 Chloroethane	64	2.452	2.458	-0.006	99	663137	200.0	189.1	
11 Dichlorofluoromethane	67	2.678	2.684	-0.006	99	1490704	200.0	193.7	
12 Trichlorofluoromethane	101	2.690	2.702	-0.012	97	1161441	200.0	202.9	
13 Pentane	72	2.708	2.714	-0.006	97	289844	400.0	368.2	
15 Ethanol	46	2.940	2.934	0.006	73	173225	8000.0	6731.2	
14 Ethyl ether	59	2.934	2.946	-0.012	94	564775	200.0	183.4	
16 2-Methyl-1,3-butadiene	53	2.958	2.971	-0.013	95	689609	200.0	194.3	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.013	3.013	0.000	91	693871	200.0	198.3	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.074	3.080	-0.006	95	1102839	200.0	186.9	a
19 Acrolein	56	3.129	3.135	-0.006	89	32132	200.0	188.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.154	3.160	-0.006	93	822302	200.0	209.4	
21 1,1-Dichloroethene	96	3.178	3.184	-0.006	98	755373	200.0	203.1	
22 Acetone	58	3.269	3.275	-0.006	88	473403	1000.0	1090.4	
23 Iodomethane	142	3.349	3.355	-0.006	97	1339624	200.0	197.5	
24 Carbon disulfide	76	3.385	3.385	0.000	99	2918227	200.0	200.5	
25 Isopropyl alcohol	45	3.379	3.385	-0.006	97	474996	2000.0	1963.0	
26 3-Chloro-1-propene	76	3.519	3.525	-0.006	93	491394	200.0	185.5	
27 Methyl acetate	43	3.531	3.537	-0.006	99	977126	400.0	380.0	
28 Cyclopentene	67	3.538	3.544	-0.006	94	1883396	200.0	191.6	
29 Acetonitrile	41	3.592	3.598	-0.006	98	806965	2000.0	1549.0	
30 Methylene Chloride	84	3.653	3.659	-0.006	92	866934	200.0	191.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.653	3.659	-0.006	88	332026	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.727	3.733	-0.006	96	627998	2000.0	1968.8	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	98	1701844	200.0	199.4	
34 trans-1,2-Dichloroethene	96	3.836	3.842	-0.006	94	749860	200.0	192.7	
35 Acrylonitrile	53	3.916	3.922	-0.006	95	2750708	2000.0	1921.4	
36 Hexane	43	3.989	3.995	-0.006	93	636488	200.0	210.9	
37 Isopropyl ether	45	4.196	4.196	0.000	96	2105823	200.0	185.2	
38 1,1-Dichloroethane	63	4.226	4.232	-0.006	100	1198660	200.0	187.1	
39 Vinyl acetate	86	4.233	4.239	-0.006	99	228817	400.0	413.6	
40 2-Chloro-1,3-butadiene	88	4.263	4.269	-0.006	90	606228	200.0	192.6	
41 Tert-butyl ethyl ether	59	4.483	4.489	-0.007	91	1692374	200.0	188.0	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	82	339098	250.0	250.0	
43 2,2-Dichloropropane	97	4.684	4.690	-0.006	97	192162	200.0	214.8	
44 cis-1,2-Dichloroethene	96	4.690	4.696	-0.006	97	767422	200.0	188.1	
45 Ethyl acetate	70	4.702	4.708	-0.006	93	129217	400.0	393.5	
46 2-Butanone (MEK)	72	4.702	4.708	-0.006	97	428265	1000.0	1031.6	
47 Methyl acrylate	55	4.751	4.751	0.000	100	526596	200.0	205.6	
48 Propionitrile	54	4.818	4.824	-0.006	99	959210	2000.0	1701.9	
49 Chlorobromomethane	128	4.885	4.891	-0.006	90	372616	200.0	192.9	
50 Tetrahydrofuran	72	4.885	4.891	-0.006	66	177007	400.0	380.7	
51 Methacrylonitrile	67	4.909	4.909	0.000	89	2749966	2000.0	1944.8	
52 Chloroform	83	4.928	4.927	0.001	99	1110513	200.0	192.3	
53 Cyclohexane	56	5.043	5.043	0.000	91	1344046	200.0	203.6	
$ 54 Dibromofluoromethane (Surr)	113	5.056	5.055	0.001	46	149351	50.0	50.8	
55 1,1,1-Trichloroethane	97	5.056	5.055	0.001	98	888002	200.0	211.3	
56 Carbon tetrachloride	117	5.153	5.153	0.000	98	660752	200.0	215.7	
57 1,1-Dichloropropene	75	5.165	5.171	-0.006	98	876611	200.0	191.7	
58 Isobutyl alcohol	43	5.251	5.251	0.000	94	500967	5000.0	5050.6	
59 Isooctane	57	5.299	5.299	0.000	97	2476233	200.0	212.1	
60 Benzene	78	5.330	5.336	-0.006	97	2611108	200.0	184.1	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	89	173249	50.0	51.6	
62 Isopropyl acetate	43	5.354	5.354	0.000	96	1792700	200.0	216.9	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	91	548308	200.0	201.2	
64 1,2-Dichloroethane	62	5.397	5.403	-0.006	97	767043	200.0	190.5	
65 n-Heptane	71	5.434	5.433	0.001	91	839770	200.0	195.7	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	631520	50.0	50.0	
67 n-Butanol	56	5.769	5.763	0.006	88	305222	5000.0	5055.4	
68 Trichloroethene	95	5.836	5.842	-0.006	100	663011	200.0	192.3	
70 Ethyl acrylate	55	5.915	5.915	0.000	99	803544	200.0	201.2	
69 Methylcyclohexane	83	5.952	5.952	0.000	96	1376787	200.0	215.3	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	94	664134	200.0	189.9	
* 72 1,4-Dioxane-d8	96	6.129	6.128	0.001	95	46601	1000.0	1000.0	
73 Methyl methacrylate	100	6.122	6.128	-0.006	86	330346	400.0	457.0	
74 n-Propyl acetate	43	6.165	6.165	0.000	98	810937	200.0	223.9	
76 1,4-Dioxane	88	6.177	6.177	0.000	89	172117	4000.0	3447.1	
75 Dibromomethane	93	6.202	6.202	0.000	98	393867	200.0	192.3	
77 Dichlorobromomethane	83	6.324	6.330	-0.006	100	725592	200.0	221.4	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	96	397815	200.5	197.8	
79 2-Nitropropane	41	6.616	6.610	0.006	98	117563	400.0	399.2	a
80 Epichlorohydrin	57	6.695	6.695	0.000	99	1225319	4000.0	4471.4	
81 cis-1,3-Dichloropropene	75	6.738	6.738	0.000	91	931955	200.0	219.8	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	94	3101841	1000.0	1026.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 83 Toluene-d8 (Surr)	98	6.927	6.927	0.000	100	571078	50.0	49.3	
84 Toluene	91	6.982	6.982	0.000	95	2597159	200.0	185.4	
86 Ethyl methacrylate	69	7.201	7.201	0.000	83	808462	200.0	202.3	
85 trans-1,3-Dichloropropene	75	7.201	7.201	0.000	94	795118	200.0	257.7	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	97	466886	200.0	195.0	
88 Tetrachloroethene	166	7.384	7.390	-0.006	96	628809	200.0	191.0	
89 1,3-Dichloropropane	76	7.482	7.476	0.006	97	945585	200.0	191.7	
90 2-Hexanone	43	7.494	7.494	0.000	95	2074428	1000.0	1070.3	
91 n-Butyl acetate	73	7.543	7.543	0.000	99	161786	200.0	200.5	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	491805	200.0	250.4	
93 Ethylene Dibromide	107	7.720	7.720	0.000	98	551762	200.0	222.5	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	84	458844	50.0	50.0	
95 Chlorobenzene	112	8.018	8.018	0.000	94	1659422	200.0	191.3	
96 Ethylbenzene	106	8.061	8.061	0.000	97	972981	200.0	190.5	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	95	571916	200.0	221.6	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	96	1184164	200.0	192.1	
99 n-Butyl acrylate	73	8.335	8.335	0.000	98	442158	200.0	202.0	
100 o-Xylene	106	8.384	8.384	0.000	96	1250861	200.0	199.3	
101 Styrene	104	8.402	8.402	0.000	94	1890733	200.0	195.8	
102 Amyl acetate (mixed isomers)	43	8.463	8.469	-0.006	91	1056083	200.0	202.0	
103 Bromoform	173	8.543	8.543	0.000	97	288449	200.0	216.6	
104 Isopropylbenzene	105	8.591	8.591	0.000	96	2958988	200.0	178.9	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	90	164018	50.0	48.9	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	771295	200.0	202.9	
107 Bromobenzene	156	8.811	8.811	0.000	98	730007	200.0	196.6	
108 N-Propylbenzene	91	8.829	8.829	0.000	98	3318597	200.0	174.5	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.841	0.000	76	179838	200.0	198.0	
110 1,2,3-Trichloropropane	110	8.848	8.847	0.001	95	221634	200.0	198.5	
111 4-Ethyltoluene	105	8.890	8.890	0.000	96	2741857	200.0	170.3	
112 2-Chlorotoluene	91	8.902	8.908	-0.006	97	2726717	200.0	197.5	
113 1,3,5-Trimethylbenzene	105	8.927	8.927	0.000	94	2614294	200.0	189.8	
114 Butyl Methacrylate	87	8.951	8.951	0.000	89	952818	200.0	203.1	
115 4-Chlorotoluene	91	8.969	8.969	0.000	97	2036733	200.0	191.6	
116 tert-Butylbenzene	119	9.104	9.103	0.001	93	2239777	200.0	212.3	
117 1,2,4-Trimethylbenzene	105	9.140	9.140	0.000	97	2626336	200.0	186.5	
118 sec-Butylbenzene	105	9.232	9.231	0.001	96	3306348	200.0	187.3	
119 4-Isopropyltoluene	119	9.305	9.305	0.000	95	2859429	200.0	190.0	
120 1,3-Dichlorobenzene	146	9.335	9.335	0.000	95	1411572	200.0	191.3	
* 121 1,4-Dichlorobenzene-d4	152	9.378	9.378	0.000	95	243355	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.390	0.000	92	1463793	200.0	195.5	
123 1,2,3-Trimethylbenzene	105	9.390	9.396	-0.006	96	2834172	200.0	187.2	
124 Benzyl chloride	91	9.475	9.475	0.000	99	890760	200.0	221.9	
125 2,3-Dihydroindene	117	9.524	9.524	0.000	93	2848748	200.0	178.3	
126 p-Diethylbenzene	119	9.530	9.530	0.000	95	1762757	200.0	197.1	
127 n-Butylbenzene	92	9.549	9.549	0.001	98	1689076	200.0	199.9	
128 1,2-Dichlorobenzene	146	9.628	9.628	0.000	96	1481360	200.0	192.5	
129 1,2,4,5-Tetramethylbenzene	119	10.042	10.042	0.000	98	2788875	200.0	203.0	
130 1,2-Dibromo-3-Chloropropane	75	10.158	10.158	0.000	96	104005	200.0	203.5	
131 1,3,5-Trichlorobenzene	180	10.256	10.256	0.000	98	1212365	200.0	199.8	
132 1,2,4-Trichlorobenzene	180	10.768	10.768	0.000	94	955853	200.0	202.5	
133 Hexachlorobutadiene	225	10.847	10.847	0.000	96	504087	200.0	224.0	
134 Naphthalene	128	11.012	11.018	-0.006	99	1778639	200.0	206.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.243	11.243	0.000	96	634930	200.0	207.4	
S 136 1,2-Dichloroethene, Total	100				0		400.0	380.8	
S 137 Xylenes, Total	100				0		400.0	391.4	
S 138 Total BTEX	1				0		1000.0	951.4	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00363	Amount Added:	20.00	Units: uL	
8FreonHi_00019	Amount Added:	20.00	Units: uL	
MIX I Hi_00126	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00099	Amount Added:	20.00	Units: uL	
Ethanol mix_00041	Amount Added:	20.00	Units: uL	
ACROLEIN W_00107	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added:	1.00	Units: uL	Run Reagent

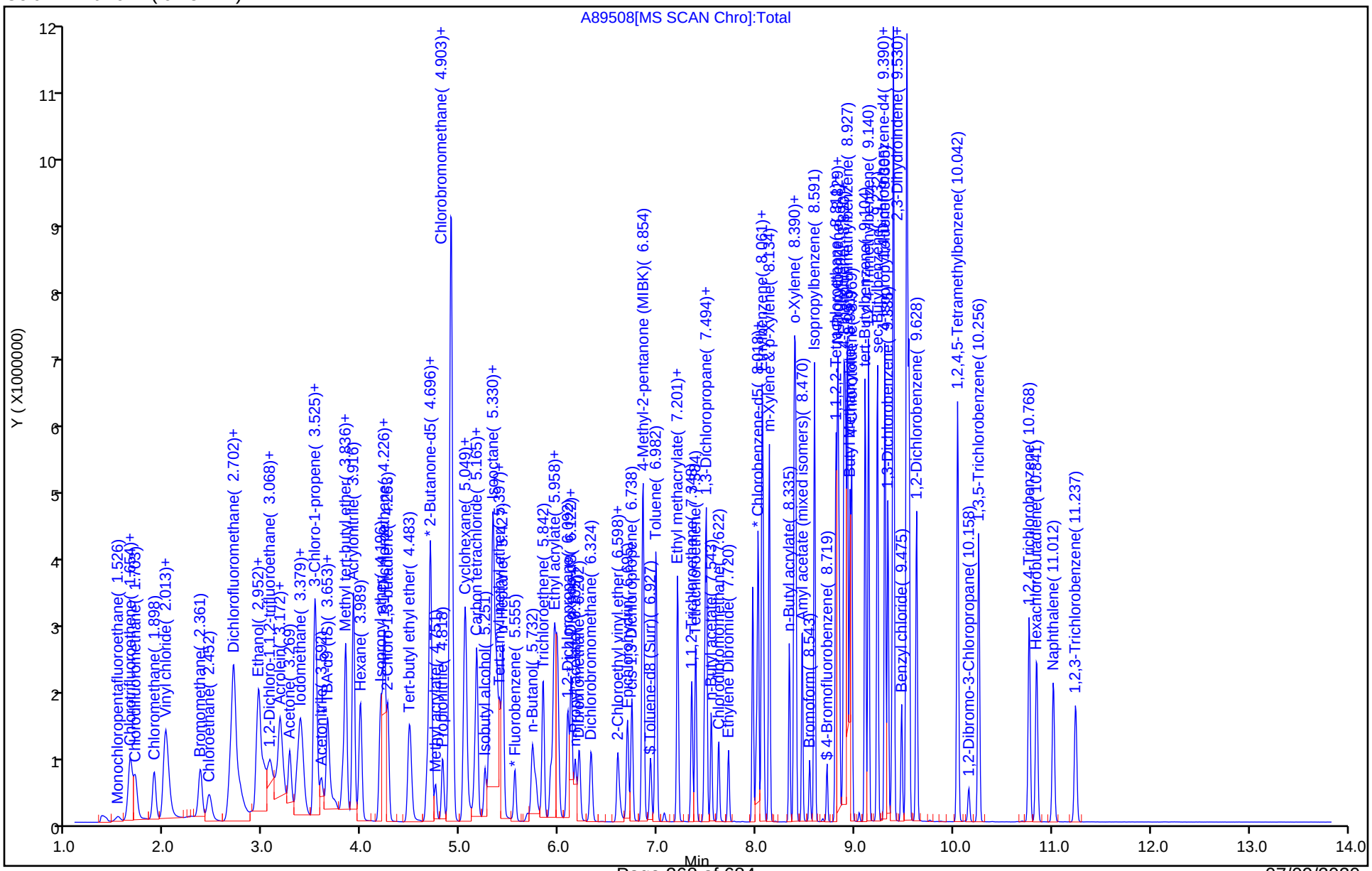
Report Date: 12-Jun-2020 18:47:06 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89508.D

Injection Date:	11-Jun-2020 04:02:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD200			Worklist Smp#:	8
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

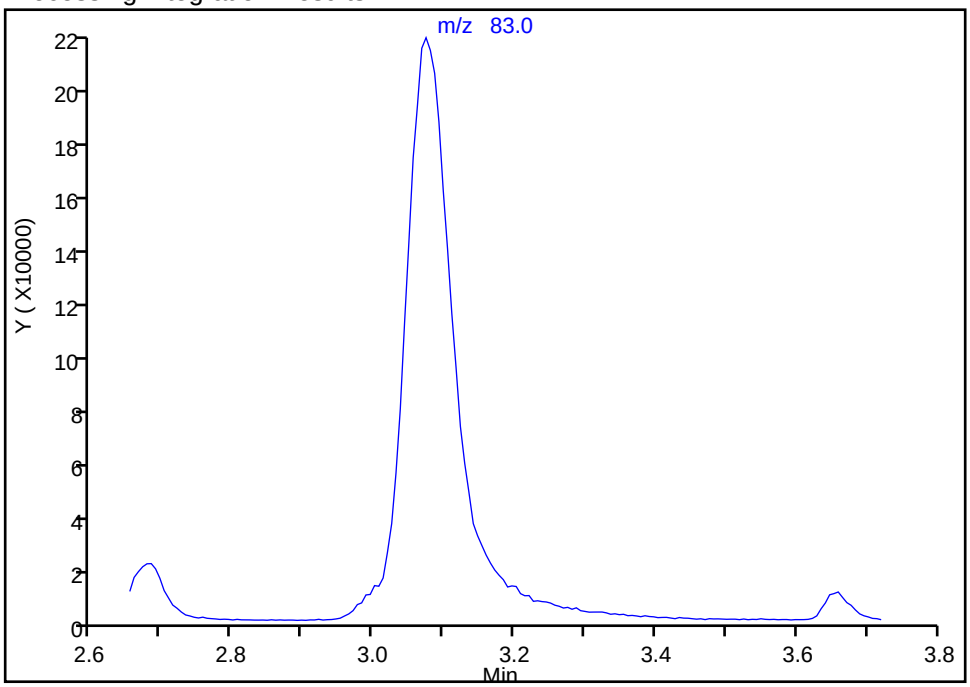
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89508.D
Injection Date: 11-Jun-2020 04:02:30 Instrument ID: CVOAMS1
Lims ID: STD200
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

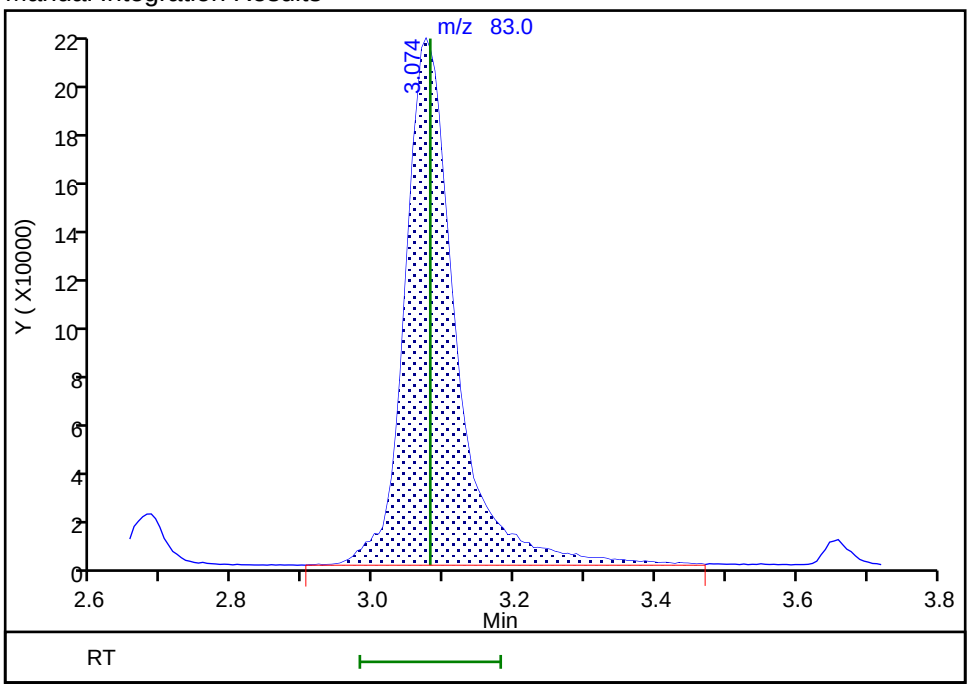
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.07
Area: 1102839
Amount: 186.8516
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:37:17
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

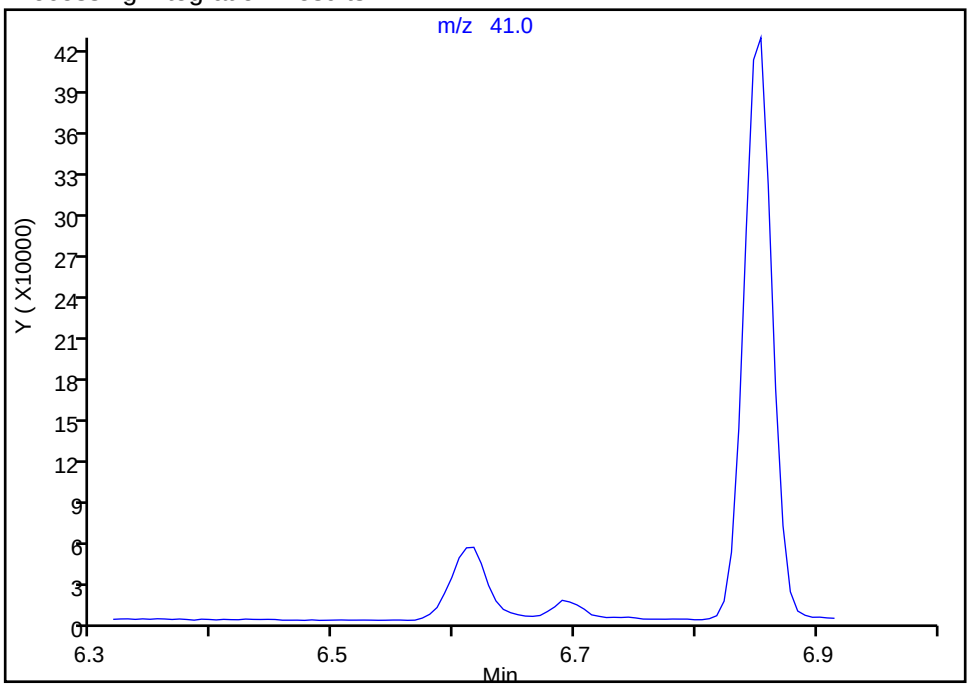
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Injection Date: 11-Jun-2020 04:02:30 Instrument ID: CVOAMS1
Lims ID: STD200
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Signal: 1

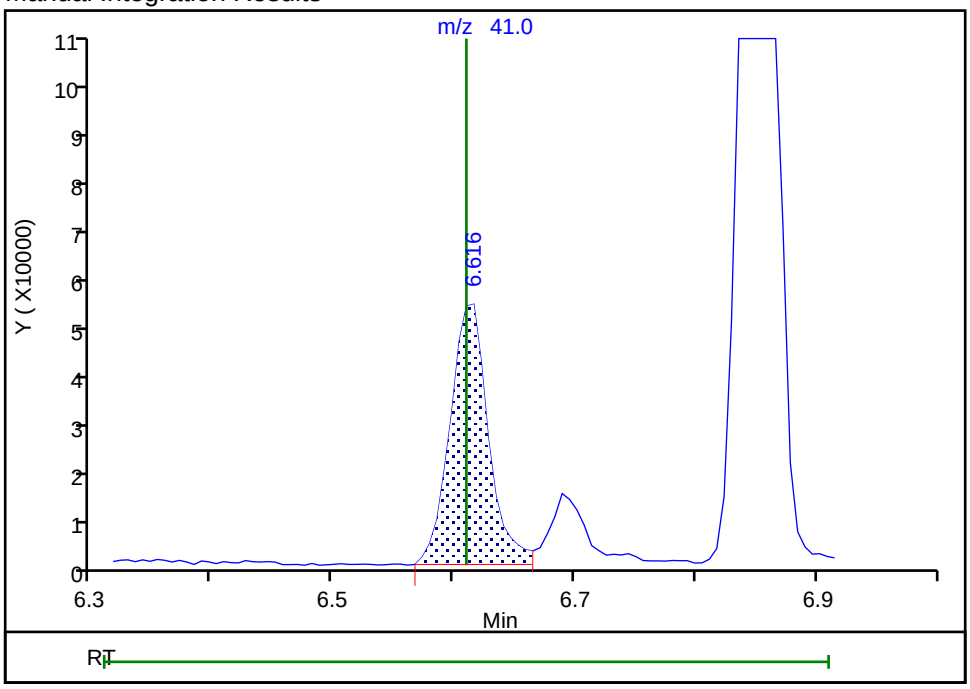
Not Detected
Expected RT: 6.61

Processing Integration Results



Manual Integration Results

RT: 6.62
Area: 117563
Amount: 399.2321
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:37:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 11-Jun-2020 04:26:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0111447-009
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 12-Jun-2020 18:47:21 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1045

First Level Reviewer: boykink Date: 11-Jun-2020 04:45:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.520	1.544	-0.024	92	162812	500.0	401.1	
2 Chlorotrifluoroethene	116	1.641	1.654	-0.013	86	765958	500.0	445.7	
3 1,1-Difluoroethane	51	1.654	1.660	-0.006	97	1794936	500.0	439.5	
4 Dichlorodifluoromethane	85	1.678	1.696	-0.018	100	2772765	500.0	492.9	
5 Chlorodifluoromethane	51	1.709	1.715	-0.006	98	2409816	500.0	479.0	
6 Chloromethane	50	1.898	1.904	-0.006	99	3070036	500.0	457.9	
8 Vinyl chloride	62	2.007	2.013	-0.006	98	3043923	500.0	469.4	
7 Butadiene	39	2.019	2.032	-0.013	95	2549161	500.0	477.6	
9 Bromomethane	94	2.361	2.367	-0.006	100	2014404	500.0	453.0	
10 Chloroethane	64	2.452	2.458	-0.006	99	1707874	500.0	471.7	
11 Dichlorofluoromethane	67	2.678	2.684	-0.006	98	3775326	500.0	475.0	
12 Trichlorofluoromethane	101	2.684	2.702	-0.018	99	3047119	500.0	515.4	
13 Pentane	72	2.714	2.714	0.000	96	833346	1000.0	1054.2	
15 Ethanol	46	2.934	2.934	0.000	72	447563	20000	17317	
14 Ethyl ether	59	2.934	2.946	-0.012	94	1501993	500.0	472.3	
16 2-Methyl-1,3-butadiene	53	2.958	2.971	-0.013	95	1808945	500.0	493.7	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.013	3.013	0.000	92	1811171	500.0	501.3	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.080	3.080	0.000	88	2910170	500.0	477.5	a
19 Acrolein	56	3.141	3.135	0.006	28	66103	400.0	402.4	a
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.153	3.160	-0.007	93	2107586	500.0	519.6	
21 1,1-Dichloroethene	96	3.184	3.184	0.000	97	2050755	500.0	533.9	
22 Acetone	58	3.269	3.275	-0.006	89	1171920	2500.0	2428.8	
23 Iodomethane	142	3.355	3.355	0.000	98	3446253	500.0	491.9	
24 Carbon disulfide	76	3.391	3.385	0.006	99	7246644	500.0	482.3	
25 Isopropyl alcohol	45	3.379	3.385	-0.006	99	1348963	5000.0	5004.2	
26 3-Chloro-1-propene	76	3.519	3.525	-0.006	94	1438539	500.0	525.9	
27 Methyl acetate	43	3.531	3.537	-0.006	98	2623517	1000.0	988.0	
28 Cyclopentene	67	3.537	3.544	-0.007	95	4925143	500.0	485.2	
29 Acetonitrile	41	3.592	3.598	-0.006	98	1968933	5000.0	3763.4	
30 Methylene Chloride	84	3.659	3.659	0.000	91	2305860	500.0	492.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.659	3.659	0.000	84	333450	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.739	3.733	0.006	95	1573953	5000.0	4913.4	
33 Methyl tert-butyl ether	73	3.824	3.824	0.000	98	4042902	500.0	458.7	
34 trans-1,2-Dichloroethene	96	3.842	3.842	0.000	93	1977884	500.0	492.1	
35 Acrylonitrile	53	3.922	3.922	0.000	91	6401636	5000.0	4330.4	
36 Hexane	43	3.989	3.995	-0.006	93	1592067	500.0	511.0	
37 Isopropyl ether	45	4.196	4.196	0.000	94	5166522	500.0	440.1	
38 1,1-Dichloroethane	63	4.226	4.232	-0.006	99	3216613	500.0	486.1	
39 Vinyl acetate	86	4.239	4.239	-0.001	99	699418	1000.0	1259.0	
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	90	1645323	500.0	506.1	
41 Tert-butyl ethyl ether	59	4.488	4.489	-0.001	91	4078494	500.0	438.8	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	93	376846	250.0	250.0	a
43 2,2-Dichloropropane	97	4.684	4.690	-0.006	94	567998	500.0	614.8	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	98	2069917	500.0	491.3	
45 Ethyl acetate	70	4.702	4.708	-0.006	94	374029	1000.0	1024.9	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	99	1168491	2500.0	2532.8	
47 Methyl acrylate	55	4.751	4.751	0.000	100	1382083	500.0	522.5	
48 Propionitrile	54	4.824	4.824	0.000	99	2549069	5000.0	4503.5	
49 Chlorobromomethane	128	4.891	4.891	0.000	84	1013992	500.0	508.2	
50 Tetrahydrofuran	72	4.891	4.891	0.000	65	499054	1000.0	965.9	
51 Methacrylonitrile	67	4.909	4.909	0.000	82	6351537	5000.0	4349.9	
52 Chloroform	83	4.927	4.927	0.000	98	2957260	500.0	496.0	
53 Cyclohexane	56	5.043	5.043	0.000	91	3579997	500.0	525.3	
$ 54 Dibromofluoromethane (Surr)	113	5.055	5.055	0.000	34	156513	50.0	51.6	
55 1,1,1-Trichloroethane	97	5.055	5.055	0.000	98	2668429	500.0	615.0	
56 Carbon tetrachloride	117	5.153	5.153	0.000	99	2062151	500.0	489.3	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	97	2360451	500.0	500.0	
58 Isobutyl alcohol	43	5.251	5.251	-0.001	93	1769342	12500	12496	
59 Isooctane	57	5.299	5.299	0.000	97	5600204	500.0	464.6	
60 Benzene	78	5.330	5.336	-0.006	99	6075560	500.0	401.4	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	87	192543	50.0	55.5	
62 Isopropyl acetate	43	5.354	5.354	0.000	96	4616587	500.0	541.0	
63 Tert-amyl methyl ether	87	5.372	5.366	0.006	91	1416117	500.0	503.3	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	96	2063558	500.0	496.3	
65 n-Heptane	71	5.433	5.433	0.000	92	2056429	500.0	464.0	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	652128	50.0	50.0	
67 n-Butanol	56	5.769	5.763	0.006	87	1074579	12500	12495	
68 Trichloroethene	95	5.842	5.842	0.000	99	1802220	500.0	506.2	
70 Ethyl acrylate	55	5.915	5.915	0.000	97	2414002	500.0	499.9	a
69 Methylcyclohexane	83	5.958	5.952	0.006	96	3170940	500.0	480.3	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	91	1833063	500.0	507.7	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	92	43992	1000.0	1000.0	
73 Methyl methacrylate	100	6.128	6.128	0.000	84	911451	1000.0	1220.9	
74 n-Propyl acetate	43	6.165	6.165	0.000	97	2267430	500.0	606.3	
76 1,4-Dioxane	88	6.177	6.177	0.000	88	446594	10000	9474.7	
75 Dibromomethane	93	6.208	6.202	0.006	98	1074602	500.0	508.1	
77 Dichlorobromomethane	83	6.330	6.330	0.000	99	2124949	500.0	627.9	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	96	1106323	501.2	532.7	
79 2-Nitropropane	41	6.616	6.610	0.006	98	380069	1000.0	998.2	a
80 Epichlorohydrin	57	6.695	6.695	0.000	99	3286011	10000	10790	
81 cis-1,3-Dichloropropene	75	6.744	6.738	0.006	91	2642326	500.0	584.0	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	86	6806556	2500.0	2026.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 83 Toluene-d8 (Surr)	98	6.933	6.927	0.006	100	584804	50.0	47.3	
84 Toluene	91	6.988	6.982	0.006	98	5786960	500.0	387.1	
85 trans-1,3-Dichloropropene	75	7.207	7.201	0.006	95	2327281	500.0	706.9	
86 Ethyl methacrylate	69	7.201	7.201	0.000	83	2253280	500.0	499.7	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	97	1289184	500.0	504.6	
88 Tetrachloroethene	166	7.390	7.390	0.000	97	1689737	500.0	480.8	
89 1,3-Dichloropropane	76	7.482	7.476	0.006	96	2514718	500.0	477.6	
90 2-Hexanone	43	7.494	7.494	0.000	86	4770666	2500.0	2214.9	
91 n-Butyl acetate	73	7.549	7.543	0.006	97	483001	500.0	499.9	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	1527875	500.0	728.8	
93 Ethylene Dibromide	107	7.720	7.720	0.000	99	1509323	500.0	570.4	
* 94 Chlorobenzene-d5	117	8.000	8.000	0.000	83	489662	50.0	50.0	
95 Chlorobenzene	112	8.024	8.018	0.006	88	4007043	500.0	432.8	
96 Ethylbenzene	106	8.061	8.061	0.000	92	2601234	500.0	477.2	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	96	1731139	500.0	484.9	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	87	3038758	500.0	461.9	
99 n-Butyl acrylate	73	8.341	8.335	0.006	97	1353764	500.0	499.8	
100 o-Xylene	106	8.390	8.384	0.006	95	3165341	500.0	472.6	
101 Styrene	104	8.402	8.402	0.000	83	4378612	500.0	425.0	
102 Amyl acetate (mixed isomers)	43	8.469	8.469	0.000	94	2966221	500.0	499.7	
103 Bromoform	173	8.549	8.543	0.006	96	950302	500.0	489.6	
104 Isopropylbenzene	105	8.597	8.591	0.006	91	5699677	500.0	323.0	
$ 105 4-Bromofluorobenzene	174	8.725	8.719	0.006	92	176542	50.0	49.3	
106 1,1,2,2-Tetrachloroethane	83	8.811	8.805	0.006	97	2151216	500.0	505.2	
107 Bromobenzene	156	8.817	8.811	0.006	96	2032267	500.0	488.6	
108 N-Propylbenzene	91	8.835	8.829	0.006	97	6216613	500.0	291.8	
109 trans-1,4-Dichloro-2-butene	53	8.847	8.841	0.006	75	564743	500.0	555.0	
110 1,2,3-Trichloropropane	110	8.847	8.847	0.000	93	631973	500.0	505.3	
111 4-Ethyltoluene	105	8.896	8.890	0.006	89	5847824	500.0	324.3	
112 2-Chlorotoluene	91	8.908	8.908	0.000	95	6264479	500.0	405.0	
113 1,3,5-Trimethylbenzene	105	8.933	8.927	0.006	94	5298346	500.0	343.5	
114 Butyl Methacrylate	87	8.957	8.951	0.006	89	2729010	500.0	499.6	
115 4-Chlorotoluene	91	8.975	8.969	0.006	92	4596269	500.0	386.1	
116 tert-Butylbenzene	119	9.110	9.103	0.007	86	4975439	500.0	421.0	
117 1,2,4-Trimethylbenzene	105	9.146	9.140	0.006	90	5318585	500.0	337.2	
118 sec-Butylbenzene	105	9.238	9.231	0.007	90	6219759	500.0	314.6	
119 4-Isopropyltoluene	119	9.311	9.305	0.006	86	5661578	500.0	335.9	
120 1,3-Dichlorobenzene	146	9.341	9.335	0.006	89	3561058	500.0	431.0	
* 121 1,4-Dichlorobenzene-d4	152	9.384	9.378	0.006	93	272569	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.396	9.390	0.006	85	3669191	500.0	437.5	
123 1,2,3-Trimethylbenzene	105	9.402	9.396	0.006	88	5687514	500.0	335.4	
124 Benzyl chloride	91	9.481	9.475	0.006	99	2956418	500.0	486.3	
125 2,3-Dihydroindene	117	9.530	9.524	0.006	90	5780913	500.0	323.0	
126 p-Diethylbenzene	119	9.536	9.530	0.006	85	4204905	500.0	419.7	
127 n-Butylbenzene	92	9.555	9.549	0.007	89	4090181	500.0	432.1	
128 1,2-Dichlorobenzene	146	9.634	9.628	0.006	90	3693318	500.0	428.6	
129 1,2,4,5-Tetramethylbenzene	119	10.054	10.042	0.012	92	5859055	500.0	380.7	
130 1,2-Dibromo-3-Chloropropane	75	10.164	10.158	0.006	97	334995	500.0	499.6	
131 1,3,5-Trichlorobenzene	180	10.268	10.256	0.012	97	3053381	500.0	449.3	
132 1,2,4-Trichlorobenzene	180	10.780	10.768	0.012	95	2476261	500.0	468.4	
133 Hexachlorobutadiene	225	10.853	10.847	0.006	95	1304941	500.0	517.6	
134 Naphthalene	128	11.024	11.018	0.006	98	4588245	500.0	476.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
135 1,2,3-Trichlorobenzene	180	11.249	11.243	0.006	95	1700630	500.0	496.0	
S 136 1,2-Dichloroethene, Total	100				0		1000.0	983.4	
S 137 Xylenes, Total	100				0		1000.0	934.5	
S 138 Total BTEX	1				0		2500.0	2200.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GAS Hi_00363	Amount Added:	50.00	Units: uL	
8FreonHi_00019	Amount Added:	50.00	Units: uL	
MIX I Hi_00126	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00099	Amount Added:	50.00	Units: uL	
Ethanol mix_00041	Amount Added:	50.00	Units: uL	
ACROLEIN W_00107	Amount Added:	40.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00208	Amount Added:	1.00	Units: uL	Run Reagent

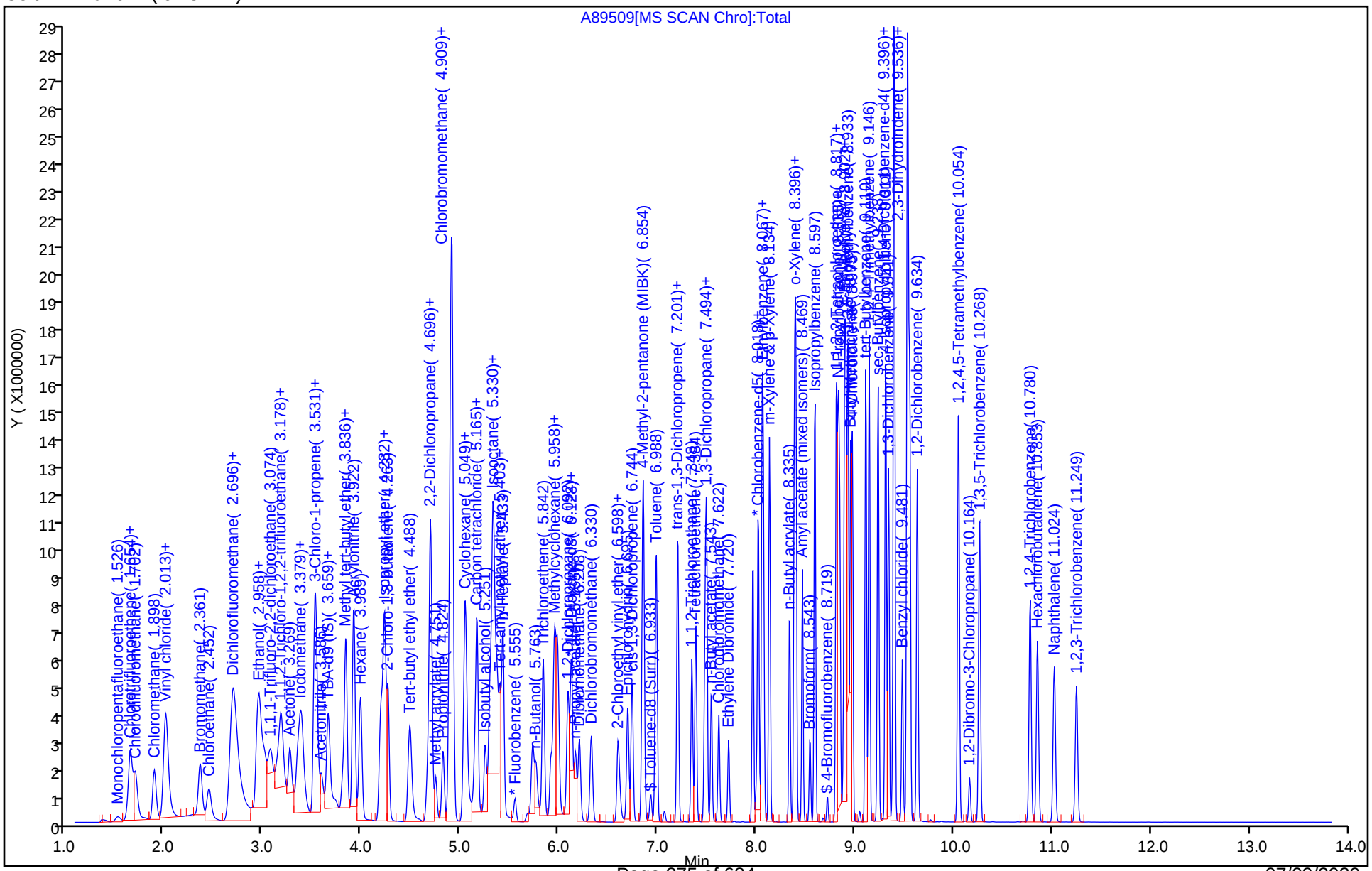
Report Date: 12-Jun-2020 18:47:22 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Injection Date:	11-Jun-2020 04:26:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	STD500			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

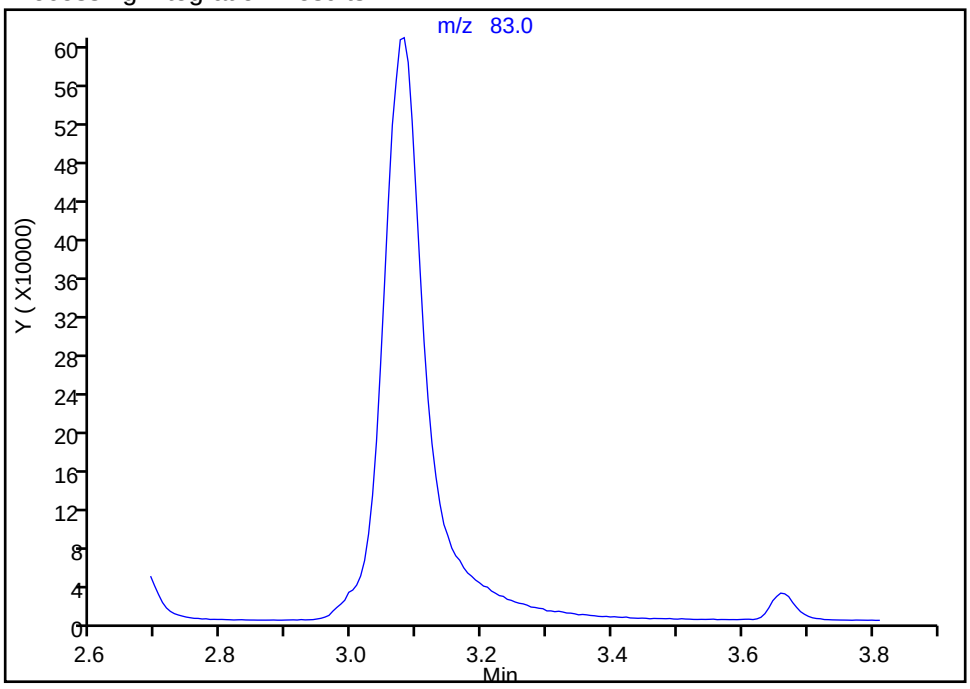
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Injection Date: 11-Jun-2020 04:26:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

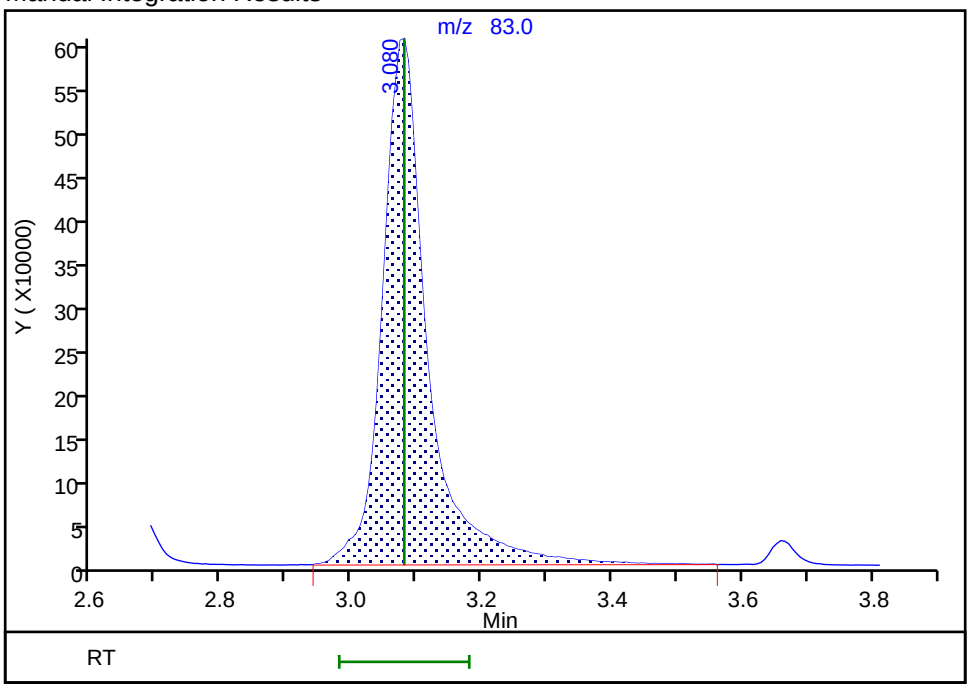
Not Detected
Expected RT: 3.08

Processing Integration Results



Manual Integration Results

RT: 3.08
Area: 2910170
Amount: 477.4824
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:39:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

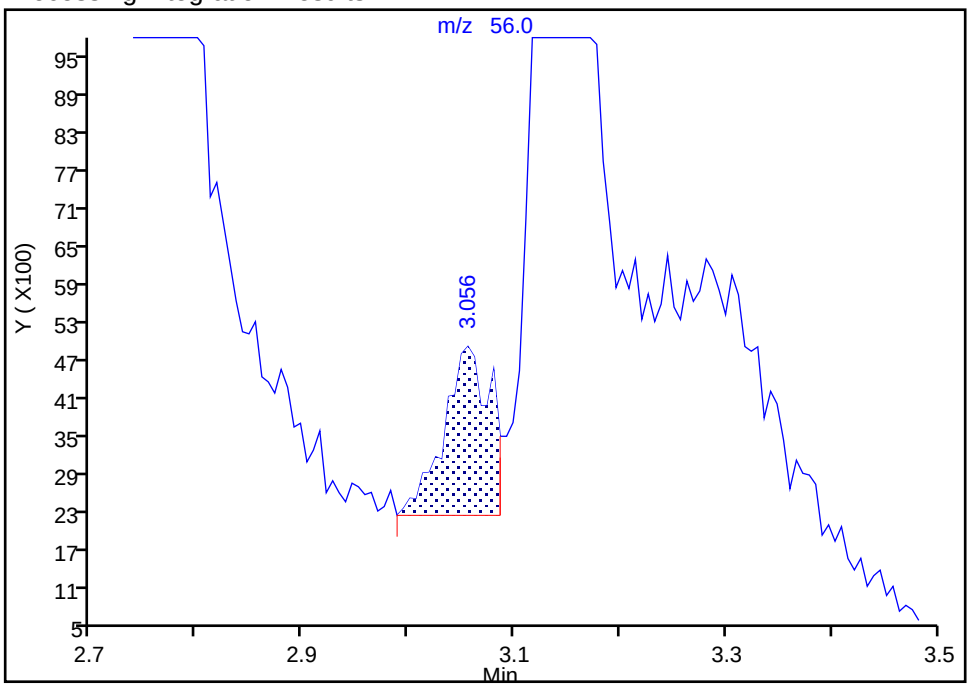
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
Injection Date: 11-Jun-2020 04:26:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Acrolein, CAS: 107-02-8

Signal: 1

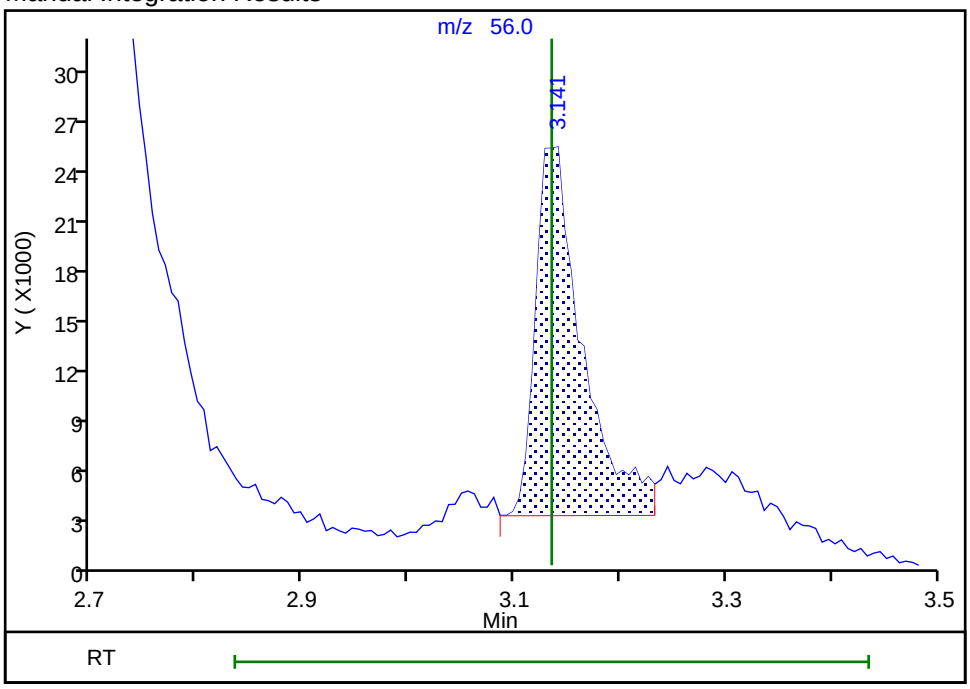
Processing Integration Results

RT: 3.06
Area: 8143
Amount: 48.506051
Amount Units: ug/l



Manual Integration Results

RT: 3.14
Area: 66103
Amount: 402.4132
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:38:54
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

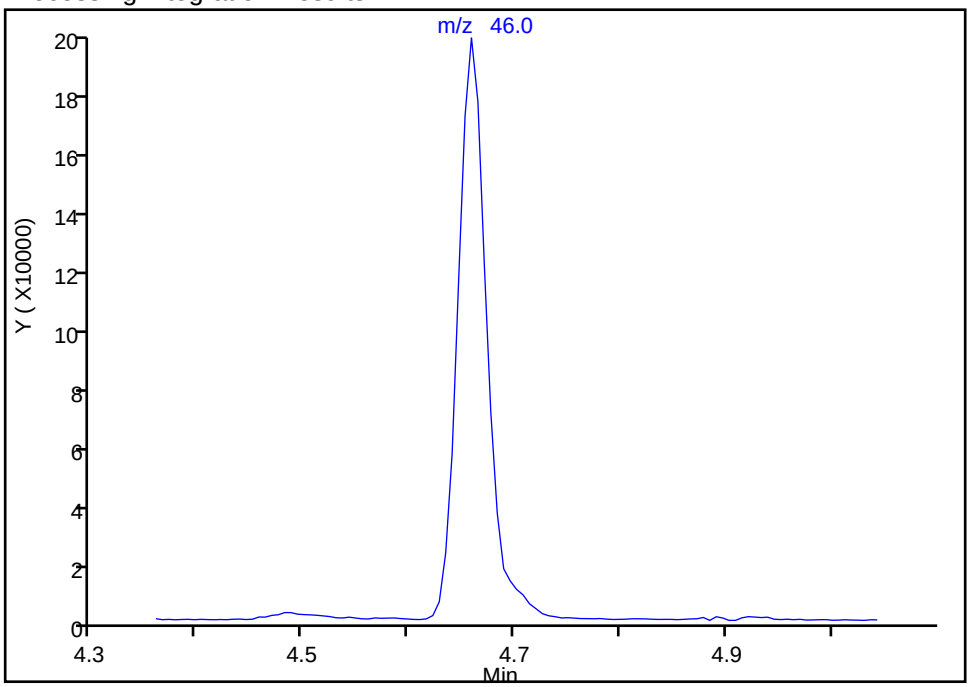
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Injection Date: 11-Jun-2020 04:26:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

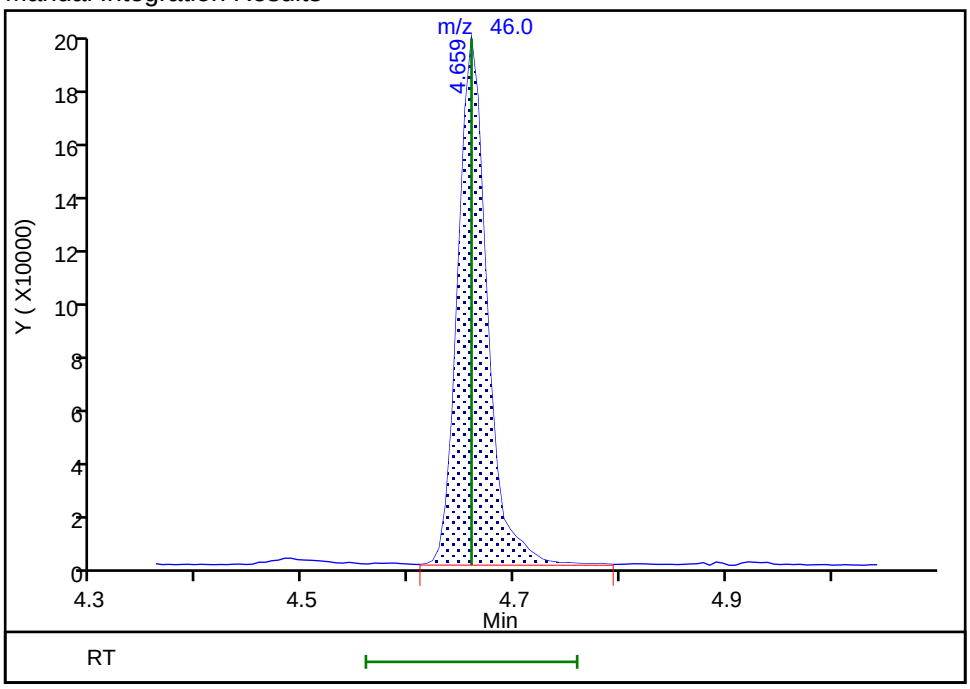
Not Detected
Expected RT: 4.66

Processing Integration Results



Manual Integration Results

RT: 4.66
Area: 376846
Amount: 250.0000
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:38:41
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison

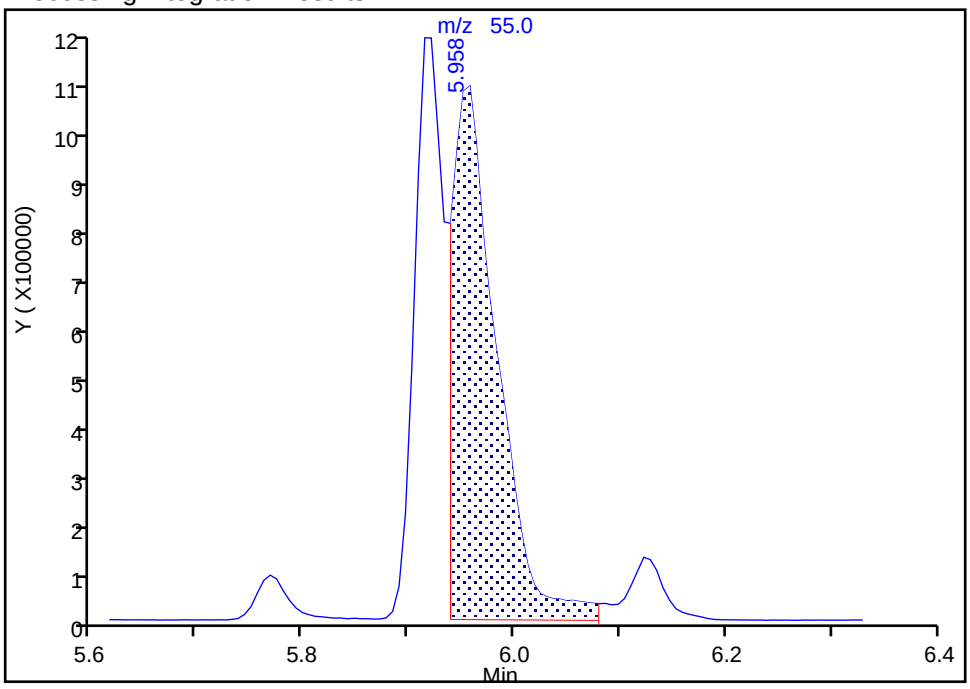
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
Injection Date: 11-Jun-2020 04:26:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

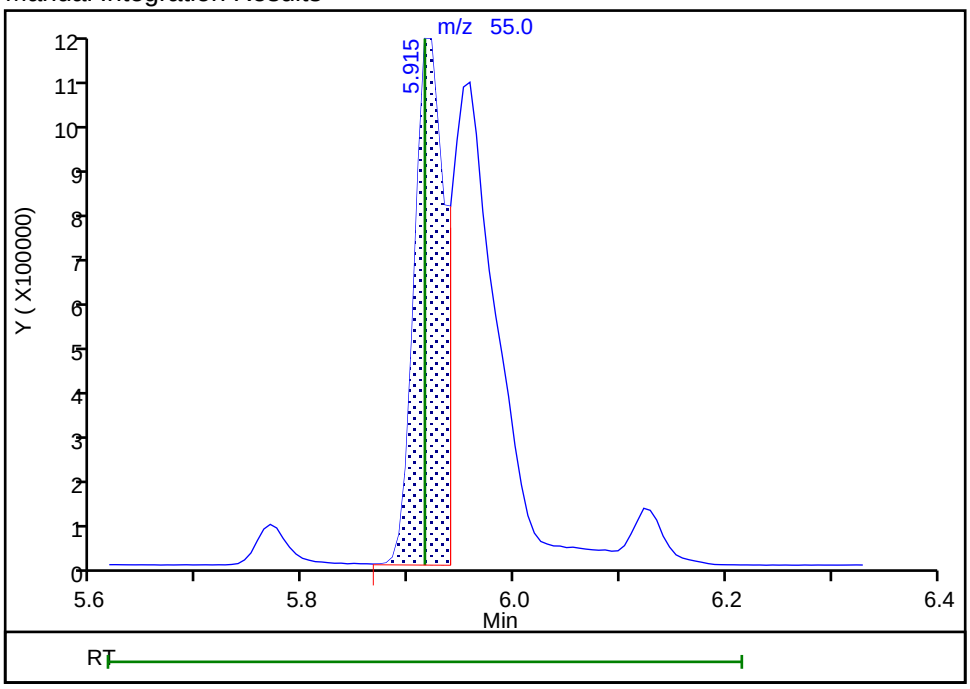
Processing Integration Results

RT: 5.96
Area: 3157155
Amount: 500.1210
Amount Units: ug/l



Manual Integration Results

RT: 5.92
Area: 2414002
Amount: 499.8709
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:39:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

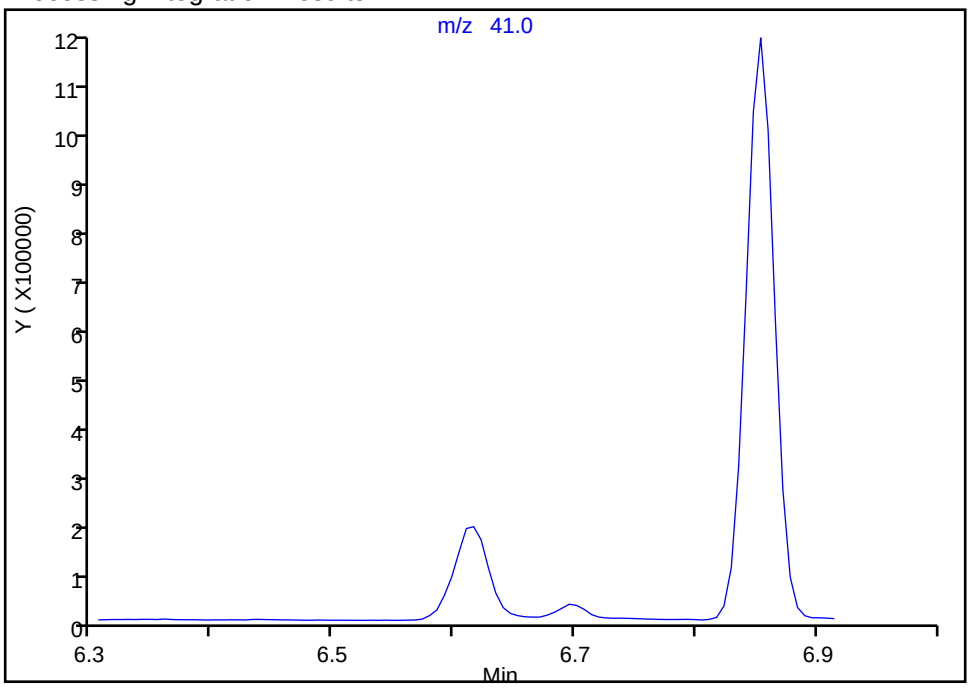
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D
Injection Date: 11-Jun-2020 04:26:30 Instrument ID: CVOAMS1
Lims ID: STD500
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Signal: 1

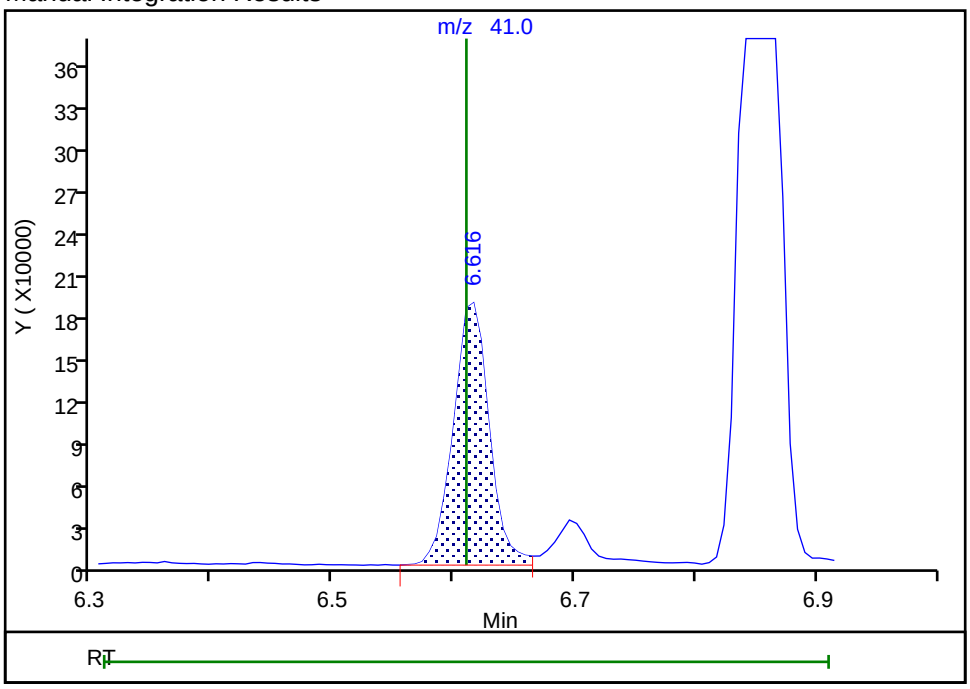
Not Detected
Expected RT: 6.61

Processing Integration Results



Manual Integration Results

RT: 6.62
Area: 380069
Amount: 998.1547
Amount Units: ug/l



Reviewer: baronm, 12-Jun-2020 17:39:27
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-705288/4	F97862.D
Level 2	STD1 460-705288/5	F97863.D
Level 3	STD5 460-705288/6	F97864.D
Level 4	STD20 460-705288/7	F97865.D
Level 5	STD50 460-705288/8	F97866.D
Level 6	STD200 460-705288/9	F97867.D
Level 7	STD500 460-705288/10	F97868.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Monochloropentafluoroethane	+++++ 0.0293	+++++ 0.0276	0.0226	0.0327	0.0292	Ave		0.0283				12.9		20.0			
Chlorotrifluoroethene	+++++ 0.1183	0.1217 0.1183	0.1018	0.1230	0.1107	Ave		0.1156				6.9		20.0			
1,1-Difluoroethane	+++++ 0.2951	0.2566 0.2745	0.2703	0.2838	0.2803	Ave		0.2768				4.7		20.0			
Dichlorodifluoromethane	+++++ 0.3599	0.3644 0.3728	0.3116	0.3684	0.3289	Ave		0.3510			0.1000	7.1		20.0			
Chlorodifluoromethane	+++++ 0.3423	0.3636 0.3758	0.3419	0.3370	0.3085	Ave		0.3449				6.7		20.0			
Chloromethane	+++++ 0.3443	0.4465 0.3474	0.3537	0.3301	0.3268	Ave		0.3581			0.1000	12.4		20.0			
Butadiene	0.2675 0.3273	0.3550 0.3210	0.3099	0.3260	0.3068	Ave		0.3162				8.4		20.0			
Vinyl chloride	+++++ 0.3707	0.3570 0.3637	0.3395	0.3652	0.3408	Ave		0.3561			0.1000	3.7		20.0			
Bromomethane	+++++ 0.2122	0.2876 0.1738	0.2302	0.2225	0.2014	Ave		0.2213			0.1000	17.2		20.0			
Chloroethane	+++++ 0.1945	0.2310 0.1654	0.1999	0.1958	0.1793	Ave		0.1943			0.1000	11.4		20.0			
Dichlorofluoromethane	+++++ 0.4841	0.5622 0.5243	0.4476	0.4621	0.4248	Ave		0.4842				10.6		20.0			
Trichlorofluoromethane	+++++ 0.3896	0.3541 0.4076	0.3581	0.3636	0.3309	Ave		0.3673			0.1000	7.4		20.0			
Pentane	+++++ 1.9783	1.9990 2.3782	2.1898	2.2183	2.0088	Ave		2.1287				7.5		20.0			
Ethanol	+++++ 0.0445	0.0352 0.0460	0.0406	0.0505	0.0459	Ave		0.0438				12.0		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Ethyl ether	+++++ 0.2096	0.2244 0.2064	0.1913	0.2021	0.2023	Ave		0.2060				5.3		20.0			
2-Methyl-1,3-butadiene	+++++ 0.2382	0.2528 0.2477	0.2199	0.2381	0.2288	Ave		0.2376				5.1		20.0			
1,2-Dichloro-1,1,2-trifluoroethane	+++++ 0.2317	0.1780 0.2262	0.2122	0.2295	0.2223	Ave		0.2167				9.3		20.0			
1,1,1-Trifluoro-2,2-dichloroethane	+++++ 0.3813	0.3951 0.3818	0.3527	0.3733	0.3673	Ave		0.3753				3.9		20.0			
Acrolein	+++++ 0.8008	0.6399 0.7855	0.7465	0.8927	0.7505	Ave		0.7693				10.7		20.0			
Freon TF	+++++ 0.2550	0.2663 0.2557	0.2371	0.2586	0.2400	Ave		0.2521			0.1000	4.5		20.0			
1,1-Dichloroethene	+++++ 0.2659	0.2729 0.2678	0.2390	0.2543	0.2490	Ave		0.2582			0.1000	5.0		20.0			
Acetone	+++++ 0.8661	1.0249 0.6232	0.5800	0.5758	0.5980	QuaF		0.9641	-0.000136		0.0500				0.9950		0.9900
Iodomethane	+++++ 0.4379	0.4375 0.4358	0.4003	0.4214	0.4081	Ave		0.4235				3.9		20.0			
Isopropyl alcohol	+++++ 0.4997	0.8354 0.4870	0.4654	0.3843	0.4089	Qua2	4.4416	0.3873	0.0000244						0.9940		0.9900
Carbon disulfide	+++++ 1.0443	1.1466 1.0697	0.9713	0.9943	0.9639	Ave		1.0317			0.1000	6.8		20.0			
Allyl chloride	+++++ 0.4607	0.4521 0.6486	0.4454	0.4299	0.4288	Ave		0.4776				17.7		20.0			
Methyl acetate	+++++ 0.2170	0.2712 0.2000	0.2066	0.2084	0.2089	Ave		0.2187			0.1000	12.0		20.0			
Cyclopentene	+++++ 0.6884	0.7971 0.7263	0.6410	0.6849	0.6706	Ave		0.7014				7.8		20.0			
Acetonitrile	+++++ 1.5212	1.3410 1.3546	1.0575	1.0723	1.2189	Ave		1.2609				14.3		20.0			
Methylene Chloride	+++++ 0.3160	0.3387 0.3176	0.3174	0.3017	0.2919	Ave		0.3139			0.1000	5.1		20.0			
2-Methyl-2-propanol	+++++ 1.1210	1.1644 1.0357	1.2100	1.1129	1.0972	Ave		1.1235				5.3		20.0			
MTBE	+++++ 0.6514	0.6917 0.6127	0.6400	0.6470	0.6268	Ave		0.6449			0.1000	4.2		20.0			
trans-1,2-Dichloroethene	+++++ 0.2647	0.2784 0.2661	0.2441	0.2582	0.2568	Ave		0.2614			0.1000	4.4		20.0			
Acrylonitrile	0.1126 0.1244	0.1269 0.1201	0.1210	0.1179	0.1160	Ave		0.1198				4.1		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Hexane	+++++ 0.1997	0.2903 0.1901	0.2129	0.2155	0.2004	Ave		0.2181				16.8		20.0			
Isopropyl ether	+++++ 0.7480	0.8310 0.7368	0.7446	0.7388	0.7278	Ave		0.7545				5.1		20.0			
1,1-Dichloroethane	+++++ 0.4551	0.4381 0.4532	0.4164	0.4381	0.4358	Ave		0.4394			0.2000	3.2		20.0			
Vinyl acetate	+++++ 0.0530	0.0664 0.0640	0.0549	0.0534	0.0535	Ave		0.0575				10.5		20.0			
2-Chloro-1,3-butadiene	+++++ 0.2392	0.2233 0.2413	0.2137	0.2383	0.2391	Ave		0.2325				4.9		20.0			
Tert-butyl ethyl ether	+++++ 0.6875	0.7715 0.6736	0.6667	0.6841	0.6722	Ave		0.6926				5.7		20.0			
2,2-Dichloropropane	+++++ 0.0826	0.0810 0.0812	0.0821	0.0801	0.0792	Ave		0.0810				1.5		20.0			
cis-1,2-Dichloroethene	+++++ 0.2886	0.3090 0.2796	0.2718	0.2796	0.2767	Ave		0.2842			0.1000	4.7		20.0			
Ethyl acetate	+++++ 0.2790	0.2727 0.2622	0.2803	0.2759	0.2726	Ave		0.2738				2.4		20.0			
2-Butanone	+++++ 0.3454	0.3915 0.2911	0.3180	0.3191	0.3103	Ave		0.3292			0.0500	10.7		20.0			
Methyl acrylate	+++++ 0.3490	0.4611 0.3314	0.3632	0.3624	0.3666	Ave		0.3723				12.2		20.0			
Propionitrile	+++++ 1.7989	1.7659 1.8540	1.6335	1.6586	1.6718	Ave		1.7305				5.1		20.0			
Bromochloromethane	+++++ 0.1353	0.1612 0.1294	0.1304	0.1323	0.1299	Ave		0.1364				9.0		20.0			
Tetrahydrofuran	+++++ 0.3420	0.4337 0.3150	0.3525	0.3612	0.3517	Ave		0.3594				11.1		20.0			
Methacrylonitrile	+++++ 0.1374	0.1393 0.1300	0.1315	0.1342	0.1311	Ave		0.1339				2.8		20.0			
Chloroform	+++++ 0.4107	0.4444 0.3956	0.4005	0.4085	0.4020	Ave		0.4103			0.2000	4.3		20.0			
Cyclohexane	+++++ 0.4632	0.4722 0.4756	0.4244	0.4602	0.4305	Ave		0.4544			0.1000	4.8		20.0			
1,1,1-Trichloroethane	+++++ 0.3758	0.3658 0.3783	0.3445	0.3582	0.3502	Ave		0.3621			0.1000	3.8		20.0			
Carbon tetrachloride	+++++ 0.3120	0.2955 0.3155	0.2653	0.2821	0.2770	Ave		0.2912			0.1000	6.9		20.0			
1,1-Dichloropropene	+++++ 0.3558	0.3968 0.3476	0.3325	0.3513	0.3398	Ave		0.3540				6.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isobutyl alcohol	+++++ 0.4196	0.2822 0.4454	0.3257	0.3110	0.3321	Ave		0.3527				18.3		20.0			
Benzene	+++++ 1.5267	1.7085 1.4604	1.5446	1.5842	1.5281	Ave		1.5587			0.5000	5.4		20.0			
Isopropyl acetate	+++++ 0.7176	0.8579 0.6831	0.6814	0.7012	0.6958	Ave		0.7228				9.3		20.0			
Tert-amyl methyl ether	+++++ 0.7534	0.7638 0.7166	0.7336	0.7498	0.7184	Ave		0.7393				2.6		20.0			
1,2-Dichloroethane	+++++ 0.3246	0.3796 0.3166	0.3166	0.3149	0.3162	Ave		0.3281			0.1000	7.8		20.0			
n-Heptane	+++++ 0.2030	0.2396 0.1876	0.2066	0.2170	0.2061	Ave		0.2100				8.3		20.0			
n-Butanol	+++++ 0.3199	0.2511 0.3245	0.2756	0.2884	0.2874	Ave		0.2911				9.5		20.0			
Trichloroethene	+++++ 0.2696	0.2823 0.2567	0.2512	0.2578	0.2510	Ave		0.2614			0.2000	4.7		20.0			
Ethyl acrylate	+++++ 0.7491	0.6183 0.7616	0.6022	0.6929	0.6799	Ave		0.6840				9.6		20.0			
Methylcyclohexane	+++++ 0.5223	0.5022 0.5307	0.4531	0.5031	0.4834	Ave		0.4991			0.1000	5.6		20.0			
1,2-Dichloropropane	+++++ 0.2786	0.2722 0.2728	0.2547	0.2711	0.2630	Ave		0.2687			0.1000	3.2		20.0			
Methyl methacrylate	+++++ 0.0880	0.0817 0.0872	0.0748	0.0790	0.0800	Ave		0.0818				6.2		20.0			
1,4-Dioxane	+++++ 1.0743	1.1499 0.8009	1.3026	1.1231	1.1585	Ave		1.1016				15.1		20.0			
Dibromomethane	+++++ 0.1654	0.1897 0.1608	0.1531	0.1609	0.1549	Ave		0.1641				8.1		20.0			
n-Propyl acetate	+++++ 0.3947	0.4117 0.3798	0.3624	0.3585	0.3620	Ave		0.3782				5.7		20.0			
Bromodichloromethane	+++++ 0.3412	0.3309 0.3403	0.2934	0.3134	0.3119	Ave		0.3218			0.2000	5.9		20.0			
2-Nitropropane	+++++ 0.0650	0.0830 0.0662	0.0564	0.0542	0.0548	Ave		0.0633				17.4		20.0			
2-Chloroethyl vinyl ether	+++++ 0.1695	0.1552 0.1749	0.1393	0.1442	0.1499	Ave		0.1555				9.1		20.0			
Epichlorohydrin	0.2271 0.2678	0.2496 0.2421	0.2260	0.2396	0.2371	Ave		0.2413				5.9		20.0			
cis-1,3-Dichloropropene	+++++ 0.6219	0.6962 0.6067	0.5669	0.5861	0.5959	Ave		0.6123			0.2000	7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
4-Methyl-2-pentanone	+++++ 2.3885	2.2332 2.2459	2.1376	2.2447	2.2518	Ave		2.2503			0.0500	3.6		20.0			
Toluene	+++++ 1.6538	1.8125 1.5859	1.5856	1.6233	1.6086	Ave		1.6450			0.4000	5.2		20.0			
trans-1,3-Dichloropropene	+++++ 0.5589	0.4981 0.5583	0.4774	0.5056	0.5174	Ave		0.5193			0.1000	6.4		20.0			
Ethyl methacrylate	+++++ 0.5612	0.5013 0.5466	0.4813	0.5199	0.5254	Ave		0.5226				5.6		20.0			
1,1,2-Trichloroethane	+++++ 0.2899	0.2776 0.2786	0.2851	0.2929	0.2753	Ave		0.2832			0.1000	2.5		20.0			
Tetrachloroethene	+++++ 0.3232	0.3334 0.3034	0.3218	0.3263	0.3198	Ave		0.3213			0.2000	3.1		20.0			
1,3-Dichloropropane	+++++ 0.6024	0.6600 0.5903	0.5603	0.5682	0.5744	Ave		0.5926				6.1		20.0			
2-Hexanone	+++++ 1.6505	1.4190 1.5153	1.3155	1.4132	1.4260	Ave		1.4566			0.0500	7.8		20.0			
n-Butyl acetate	+++++ 0.5915	0.6065 0.5890	0.5618	0.5601	0.5604	Ave		0.5782				3.5		20.0			
Dibromochloromethane	+++++ 0.3359	0.3156 0.3285	0.3029	0.3021	0.3126	Ave		0.3162			0.1000	4.3		20.0			
1,2-Dibromoethane	+++++ 0.3352	0.3069 0.3293	0.3127	0.3184	0.3198	Ave		0.3204			0.1000	3.3		20.0			
Chlorobenzene	+++++ 1.0322	0.9970 1.0213	0.9642	1.0102	0.9899	Ave		1.0025			0.5000	2.4		20.0			
Ethylbenzene	+++++ 0.5756	0.6544 0.5599	0.5508	0.5745	0.5597	Ave		0.5792			0.1000	6.6		20.0			
1,1,1,2-Tetrachloroethane	+++++ 0.3453	0.3208 0.3299	0.3111	0.3334	0.3300	Ave		0.3284				3.5		20.0			
m&p-Xylene	+++++ 0.7196	0.6850 0.6985	0.6534	0.7048	0.6916	Ave		0.6921			0.1000	3.2		20.0			
n-Butyl acrylate	+++++ 0.3393	0.3084 0.3420	0.2923	0.3165	0.3260	Ave		0.3207				5.9		20.0			
o-Xylene	+++++ 0.7328	0.7040 0.6957	0.6812	0.7347	0.7160	Ave		0.7107			0.3000	3.0		20.0			
Styrene	+++++ 1.1861	1.1271 1.1690	1.0690	1.1554	1.1372	Ave		1.1406			0.3000	3.6		20.0			
Amyl acetate (mixed isomers)	+++++ 1.4408	1.2278 1.4670	1.2169	1.2868	1.3415	Ave		1.3302				8.0		20.0			
Bromoform	+++++ 0.2106	0.2177 0.2006	0.1887	0.1967	0.1960	Ave		0.2017			0.1000	5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
Isopropylbenzene	+++++ 1.9334	1.7952 1.8493	1.6720	1.8296	1.7810	Ave		1.8101			0.1000	4.8		20.0			
Bromobenzene	+++++ 0.7813	0.7558 0.7587	0.7100	0.7522	0.7482	Ave		0.7510				3.1		20.0			
1,1,2,2-Tetrachloroethane	+++++ 0.9864	0.9373 0.9803	0.8928	0.9200	0.9339	Ave		0.9418			0.3000	3.8		20.0			
N-Propylbenzene	+++++ 4.7429	4.2321 4.5098	3.9815	4.3507	4.3812	Ave		4.3664				5.9		20.0			
1,2,3-Trichloropropane	+++++ 0.2745	0.3041 0.2580	0.2721	0.2771	0.2704	Ave		0.2760				5.5		20.0			
trans-1,4-Dichloro-2-butene	+++++ 0.2429	0.2613 0.2377	0.2098	0.2224	0.2297	Ave		0.2340				7.6		20.0			
2-Chlorotoluene	+++++ 3.1047	2.8317 3.0557	2.6671	2.8504	2.9411	Ave		2.9084				5.5		20.0			
4-Ethyltoluene	+++++ 3.6449	3.3873 3.6223	3.1273	3.4521	3.5464	Ave		3.4634				5.5		20.0			
1,3,5-Trimethylbenzene	+++++ 3.3096	2.6369 3.2530	2.6840	2.9647	3.0176	Ave		2.9776				9.4		20.0			
4-Chlorotoluene	+++++ 2.6868	2.6496 2.7326	2.3364	2.4783	2.5294	Ave		2.5689				5.8		20.0			
Butyl Methacrylate	+++++ 1.2209	0.9162 1.2541	0.9448	1.0600	1.1237	Ave		1.0866				12.8		20.0			
tert-Butylbenzene	+++++ 2.6386	2.0453 2.5801	2.0088	2.3377	2.4714	Ave		2.3470				11.4		20.0			
1,2,4-Trimethylbenzene	+++++ 3.3936	2.8768 3.3006	2.7972	3.0928	3.1367	Ave		3.0996				7.5		20.0			
sec-Butylbenzene	+++++ 4.3123	3.4652 4.0544	3.3781	3.8199	3.9868	Ave		3.8361				9.4		20.0			
1,3-Dichlorobenzene	+++++ 1.5182	1.6422 1.3690	1.4828	1.5421	1.5105	Ave		1.5108			0.6000	5.9		20.0			
4-Isopropyltoluene	+++++ 3.5920	2.8660 3.2640	2.7784	3.2604	3.3158	Ave		3.1794				9.6		20.0			
1,4-Dichlorobenzene	+++++ 1.5524	1.6628 1.4832	1.5160	1.5384	1.5259	Ave		1.5464			0.5000	4.0		20.0			
1,2,3-Trimethylbenzene	+++++ 3.4992	3.0400 3.4381	2.8742	3.2194	3.2600	Ave		3.2218				7.3		20.0			
Benzyl chloride	+++++ 1.9150	1.5238 1.9197	1.4660	1.6390	1.7337	Ave		1.6995				11.3		20.0			
Indan	+++++ 3.3318	3.1395 3.2140	2.9728	3.1218	3.2231	Ave		3.1672				3.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5		B	M1	M2								
p-Diethylbenzene	+++++ 1.8443	1.6555 1.7853	1.6391	1.7922	1.7934	Ave		1.7517				4.8		20.0			
n-Butylbenzene	+++++ 1.9259	1.6880 1.8502	1.6406	1.8422	1.8390	Ave		1.7976				6.1		20.0			
1,2-Dichlorobenzene	+++++ 1.6071	1.5863 1.5432	1.5677	1.5924	1.5853	Ave		1.5803			0.4000	1.4		20.0			
1,2,4,5-Tetramethylbenzene	+++++ 3.5292	2.9258 3.2700	2.9078	3.1736	3.3391	Ave		3.1909				7.6		20.0			
1,2-Dibromo-3-Chloropropane	+++++ 0.2217	0.2543 0.1979	0.2051	0.1985	0.2081	Ave		0.2143			0.0500	10.0		20.0			
1,3,5-Trichlorobenzene	+++++ 1.2181	1.3961 1.0949	1.1548	1.2315	1.2039	Ave		1.2165				8.3		20.0			
1,2,4-Trichlorobenzene	+++++ 1.1675	1.2754 1.0309	1.1175	1.1889	1.1687	Ave		1.1581			0.2000	7.0		20.0			
Hexachlorobutadiene	+++++ 0.4437	0.4366 0.3844	0.4067	0.4311	0.4317	Ave		0.4224				5.3		20.0			
Naphthalene	+++++ 3.7564	3.5177 3.4333	3.3430	3.4882	3.5423	Ave		3.5135				3.9		20.0			
1,2,3-Trichlorobenzene	+++++ 1.1182	1.1394 0.9884	1.0541	1.1012	1.1070	Ave		1.0847				5.1		20.0			
Dibromofluoromethane (Surr)	0.2241 0.2191	0.2216 0.2199	0.2214	0.2245	0.2206	Ave		0.2216				0.9		20.0			
1,2-Dichloroethane-d4 (Surr)	0.2669 0.2770	0.2743 0.2954	0.2690	0.2676	0.2676	Ave		0.2739				3.7		20.0			
Toluene-d8 (Surr)	1.4067 1.3468	1.3953 1.3118	1.3980	1.3981	1.3928	Ave		1.3785				2.6		20.0			
Bromofluorobenzene	0.3636 0.3551	0.3791 0.3602	0.3692	0.3676	0.3570	Ave		0.3645				2.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD7 460-705288/4	F97862.D
Level 2	STD1 460-705288/5	F97863.D
Level 3	STD5 460-705288/6	F97864.D
Level 4	STD20 460-705288/7	F97865.D
Level 5	STD50 460-705288/8	F97866.D
Level 6	STD200 460-705288/9	F97867.D
Level 7	STD500 460-705288/10	F97868.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Monochloropentafluoroethane	FB	Ave	+++++ 59239	+++++ 135516	1198	6913	16091	+++++ 200	+++++ 500	5.00	20.0	50.0
Chlorotrifluoroethene	FB	Ave	+++++ 238966	1187 580550	5383	26027	60977	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Difluoroethane	FB	Ave	+++++ 596097	2503 1346694	14299	60047	154421	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorodifluoromethane	FB	Ave	+++++ 726858	3554 1828963	16484	77938	181213	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorodifluoromethane	FB	Ave	+++++ 691414	3547 1843845	18083	71287	169971	+++++ 200	1.00 500	5.00	20.0	50.0
Chloromethane	FB	Ave	+++++ 695334	4355 1704670	18709	69841	180027	+++++ 200	1.00 500	5.00	20.0	50.0
Butadiene	FB	Ave	731 661045	3463 1575113	16393	68969	169029	0.250 200	1.00 500	5.00	20.0	50.0
Vinyl chloride	FB	Ave	+++++ 748645	3482 1784506	17960	77250	187739	+++++ 200	1.00 500	5.00	20.0	50.0
Bromomethane	FB	Ave	+++++ 428505	2805 852691	12175	47073	110965	+++++ 200	1.00 500	5.00	20.0	50.0
Chloroethane	FB	Ave	+++++ 392739	2253 811415	10572	41418	98787	+++++ 200	1.00 500	5.00	20.0	50.0
Dichlorofluoromethane	FB	Ave	+++++ 977815	5484 2572433	23676	97765	234009	+++++ 200	1.00 500	5.00	20.0	50.0
Trichlorofluoromethane	FB	Ave	+++++ 786852	3454 2000049	18944	76918	182278	+++++ 200	1.00 500	5.00	20.0	50.0
Pentane	TBAd 9	Ave	+++++ 218968	1084 572152	5490	22685	53385	+++++ 400	2.00 1000	10.0	40.0	100
Ethanol	TBAd 9	Ave	+++++ 98533	382 221170	2036	10330	24376	+++++ 8000	40.0 20000	200	800	2000
Ethyl ether	FB	Ave	+++++ 423294	2189 1012527	10119	42745	111429	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
2-Methyl-1,3-butadiene	FB	Ave	+++++ 481142	2466 1215541	11634	50374	126023	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloro-1,1,2-trifluoroethane	FB	Ave	+++++ 467954	1736 1109700	11227	48557	122474	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trifluoro-2,2-dichloroethane	FB	Ave	+++++ 770016	3854 1873494	18657	78966	202358	+++++ 200	1.00 500	5.00	20.0	50.0
Acrolein	TBAd9	Ave	+++++ 44318	694 75588	3743	9129	19944	+++++ 200	4.00 400	20.0	40.0	100
Freon TF	FB	Ave	+++++ 514995	2598 1254690	12542	54698	132215	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloroethene	FB	Ave	+++++ 537120	2662 1314071	12644	53804	137189	+++++ 200	1.00 500	5.00	20.0	50.0
Acetone	BUT	QuaF	+++++ 1120867	6191 1957608	18967	73899	200955	+++++ 1000	5.00 2500	25.0	100	250
Iodomethane	FB	Ave	+++++ 884359	4267 2138433	21173	89145	224826	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl alcohol	TBAd9	Qua2	+++++ 276525	2265 585875	5834	19649	54333	+++++ 2000	10.0 5000	50.0	200	500
Carbon disulfide	FB	Ave	+++++ 2109078	11184 5248453	51377	210335	531038	+++++ 200	1.00 500	5.00	20.0	50.0
Allyl chloride	FB	Ave	+++++ 930412	4410 3182139	23562	90950	236251	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl acetate	FB	Ave	+++++ 876349	5291 1962667	21861	88186	230179	+++++ 400	2.00 1000	10.0	40.0	100
Cyclopentene	FB	Ave	+++++ 1390326	7775 3563584	33906	144898	369448	+++++ 200	1.00 500	5.00	20.0	50.0
Acetonitrile	TBAd9	Ave	+++++ 841870	3636 1629420	13257	54829	161971	+++++ 2000	10.0 5000	50.0	200	500
Methylene Chloride	FB	Ave	+++++ 638274	3304 1558216	16788	63829	160805	+++++ 200	1.00 500	5.00	20.0	50.0
2-Methyl-2-propanol	TBAd9	Ave	+++++ 620376	3157 1245860	15168	56904	145797	+++++ 2000	10.0 5000	50.0	200	500
MTBE	FB	Ave	+++++ 1315654	6747 3005960	33854	136874	345287	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,2-Dichloroethene	FB	Ave	+++++ 534605	2716 1305465	12912	54629	141470	+++++ 200	1.00 500	5.00	20.0	50.0
Acrylonitrile	FB	Ave	2462 2512492	12381 5890456	63994	249492	639096	2.00 2000	10.0 5000	50.0	200	500
Hexane	FB	Ave	+++++ 403294	2832 932509	11260	45598	110394	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl ether	FB	Ave	+++++ 1510778	8106 3614794	39388	156302	400943	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1-Dichloroethane	FB	Ave	+++++ 919147	4273 2223763	22026	92676	240076	+++++ 200	1.00 500	5.00	20.0	50.0
Vinyl acetate	FB	Ave	+++++ 214027	1296 628072	5810	22581	58980	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloro-1,3-butadiene	FB	Ave	+++++ 483188	2178 1183979	11304	50421	131701	+++++ 200	1.00 500	5.00	20.0	50.0
Tert-butyl ethyl ether	FB	Ave	+++++ 1388512	7525 3304966	35268	144722	370335	+++++ 200	1.00 500	5.00	20.0	50.0
2,2-Dichloropropane	FB	Ave	+++++ 166854	790 398359	4344	16950	43655	+++++ 200	1.00 500	5.00	20.0	50.0
cis-1,2-Dichloroethene	FB	Ave	+++++ 582857	3014 1372024	14376	59157	152416	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acetate	BUT	Ave	+++++ 144406	659 329536	3667	14166	36643	+++++ 400	2.00 1000	10.0	40.0	100
2-Butanone	BUT	Ave	+++++ 447049	2365 914429	10400	40956	104269	+++++ 1000	5.00 2500	25.0	100	250
Methyl acrylate	CBNZ d5	Ave	+++++ 526079	3084 1256679	13104	53129	142075	+++++ 200	1.00 500	5.00	20.0	50.0
Propionitrile	TBAd 9	Ave	+++++ 995546	4788 2230224	20477	84808	222144	+++++ 2000	10.0 5000	50.0	200	500
Bromochloromethane	FB	Ave	+++++ 273284	1572 634938	6897	27986	71535	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrahydrofuran	BUT	Ave	+++++ 177065	1048 395783	4611	18541	47280	+++++ 400	2.00 1000	10.0	40.0	100
Methacrylonitrile	FB	Ave	+++++ 2775923	13587 6378454	69575	283826	721996	+++++ 2000	10.0 5000	50.0	200	500
Chloroform	FB	Ave	+++++ 829434	4335 1940803	21186	86412	221452	+++++ 200	1.00 500	5.00	20.0	50.0
Cyclohexane	FB	Ave	+++++ 935465	4606 2333678	22450	97359	237144	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1-Trichloroethane	FB	Ave	+++++ 758896	3568 1856060	18220	75778	192944	+++++ 200	1.00 500	5.00	20.0	50.0
Carbon tetrachloride	FB	Ave	+++++ 630148	2882 1547783	14031	59688	152594	+++++ 200	1.00 500	5.00	20.0	50.0
1,1-Dichloropropene	FB	Ave	+++++ 718569	3870 1705692	17590	74323	187204	+++++ 200	1.00 500	5.00	20.0	50.0
Isobutyl alcohol	TBAd 9	Ave	+++++ 580517	1913 1339504	10207	39760	110308	+++++ 5000	25.0 12500	125	500	1250
Benzene	CBNZ d5	Ave	+++++ 2301573	11428 5537382	55733	232213	592194	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropyl acetate	FB	Ave	+++++ 1449363	8368 3351489	36044	148341	383303	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
Tert-amyl methyl ether	FB	Ave	+++++ 1521645	7450 3516104	38806	158618	395776	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloroethane	FB	Ave	+++++ 655538	3703 1553317	16747	66614	174207	+++++ 200	1.00 500	5.00	20.0	50.0
n-Heptane	FB	Ave	+++++ 410078	2337 920223	10927	45908	113568	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butanol	TBAd9	Ave	+++++ 442564	1702 975781	8638	36862	95469	+++++ 5000	25.0 12500	125	500	1250
Trichloroethene	FB	Ave	+++++ 544462	2754 1259345	13289	54531	138295	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl acrylate	FB	Ave	+++++ 1512855	6031 3736935	31853	146575	374559	+++++ 200	1.00 500	5.00	20.0	50.0
Methylcyclohexane	FB	Ave	+++++ 1054783	4899 2603960	23967	106437	266294	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichloropropane	FB	Ave	+++++ 562715	2655 1338222	13473	57341	144893	+++++ 200	1.00 500	5.00	20.0	50.0
Methyl methacrylate	FB	Ave	+++++ 355605	1594 855300	7915	33419	88095	+++++ 400	2.00 1000	10.0	40.0	100
1,4-Dioxane	DXE	Ave	+++++ 109641	1330 246383	2638	10289	27282	+++++ 4000	50.0 10000	100	400	1000
Dibromomethane	FB	Ave	+++++ 334129	1850 789151	8099	34030	85314	+++++ 200	1.00 500	5.00	20.0	50.0
n-Propyl acetate	FB	Ave	+++++ 797241	4016 1863345	19169	75848	199442	+++++ 200	1.00 500	5.00	20.0	50.0
Bromodichloromethane	FB	Ave	+++++ 689060	3228 1669659	15518	66290	171814	+++++ 200	1.00 500	5.00	20.0	50.0
2-Nitropropane	FB	Ave	+++++ 262358	1620 649768	5970	22943	60373	+++++ 400	2.00 1000	10.0	40.0	100
2-Chloroethyl vinyl ether	FB	Ave	+++++ 343095	1517 860393	7386	30585	82791	+++++ 200	1.00 501	5.01	20.0	50.1
Epichlorohydrin	BUT	Ave	1456 1386190	6030 3042209	29563	123015	318795	5.00 4000	20.0 10000	100	400	1000
cis-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 937480	4657 2300565	20454	85918	230930	+++++ 200	1.00 500	5.00	20.0	50.0
4-Methyl-2-pentanone	BUT	Ave	+++++ 3091108	13490 7055505	69901	288091	756782	+++++ 1000	5.00 2500	25.0	100	250
Toluene	CBNZ d5	Ave	+++++ 2493107	12124 6013443	57214	237955	623367	+++++ 200	1.00 500	5.00	20.0	50.0
trans-1,3-Dichloropropene	CBNZ d5	Ave	+++++ 842569	3332 2116932	17226	74117	200489	+++++ 200	1.00 500	5.00	20.0	50.0
Ethyl methacrylate	CBNZ d5	Ave	+++++ 846084	3353 2072520	17366	76216	203623	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,1,2-Trichloroethane	CBNZ d5	Ave	+++++ 437043	1857 1056444	10288	42931	106673	+++++ 200	1.00 500	5.00	20.0	50.0
Tetrachloroethene	CBNZ d5	Ave	+++++ 487247	2230 1150297	11610	47824	123921	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichloropropane	CBNZ d5	Ave	+++++ 908165	4415 2238090	20216	83292	222602	+++++ 200	1.00 500	5.00	20.0	50.0
2-Hexanone	BUT	Ave	+++++ 2136074	8572 4760338	43020	181365	479248	+++++ 1000	5.00 2500	25.0	100	250
n-Butyl acetate	CBNZ d5	Ave	+++++ 891642	4057 2233266	20272	82097	217165	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromochloromethane	CBNZ d5	Ave	+++++ 506316	2111 1245531	10931	44277	121126	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromoethane	CBNZ d5	Ave	+++++ 505287	2053 1248554	11282	46669	123945	+++++ 200	1.00 500	5.00	20.0	50.0
Chlorobenzene	CBNZ d5	Ave	+++++ 1556111	6669 3872533	34793	148085	383622	+++++ 200	1.00 500	5.00	20.0	50.0
Ethylbenzene	CBNZ d5	Ave	+++++ 867734	4377 2123017	19876	84213	216913	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,1,2-Tetrachloroethane	CBNZ d5	Ave	+++++ 520551	2146 1251063	11224	48877	127902	+++++ 200	1.00 500	5.00	20.0	50.0
m&p-Xylene	CBNZ d5	Ave	+++++ 1084744	4582 2648695	23576	103306	268024	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butyl acrylate	CBNZ d5	Ave	+++++ 511450	2063 1296871	10547	46387	126349	+++++ 200	1.00 500	5.00	20.0	50.0
o-Xylene	CBNZ d5	Ave	+++++ 1104790	4709 2637965	24580	107691	277451	+++++ 200	1.00 500	5.00	20.0	50.0
Styrene	CBNZ d5	Ave	+++++ 1788100	7539 4432572	38573	169370	440698	+++++ 200	1.00 500	5.00	20.0	50.0
Amyl acetate (mixed isomers)	DCBd 4	Ave	+++++ 1084830	4539 2745006	24094	100615	265087	+++++ 200	1.00 500	5.00	20.0	50.0
Bromoform	CBNZ d5	Ave	+++++ 317554	1456 760709	6808	28827	75954	+++++ 200	1.00 500	5.00	20.0	50.0
Isopropylbenzene	CBNZ d5	Ave	+++++ 2914681	12008 7011891	60331	268196	690200	+++++ 200	1.00 500	5.00	20.0	50.0
Bromobenzene	DCBd 4	Ave	+++++ 588234	2794 1419611	14058	58815	147852	+++++ 200	1.00 500	5.00	20.0	50.0
1,1,2,2-Tetrachloroethane	DCBd 4	Ave	+++++ 742656	3465 1834240	17676	71934	184537	+++++ 200	1.00 500	5.00	20.0	50.0
N-Propylbenzene	DCBd 4	Ave	+++++ 3571020	15645 8438680	78830	340171	865742	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichloropropane	DCBd 4	Ave	+++++ 206682	1124 482786	5388	21665	53431	+++++ 200	1.00 500	5.00	20.0	50.0

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
trans-1,4-Dichloro-2-butene	DCBd 4	Ave	+++++ 182869	966 444783	4153	17391	45384	+++++ 200	1.00 500	5.00	20.0	50.0
2-Chlorotoluene	DCBd 4	Ave	+++++ 2337577	10468 5717833	52807	222865	581160	+++++ 200	1.00 500	5.00	20.0	50.0
4-Ethyltoluene	DCBd 4	Ave	+++++ 2744319	12522 6777951	61919	269913	700773	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trimethylbenzene	DCBd 4	Ave	+++++ 2491881	9748 6086919	53141	231801	596275	+++++ 200	1.00 500	5.00	20.0	50.0
4-Chlorotoluene	DCBd 4	Ave	+++++ 2022944	9795 5113272	46260	193770	499814	+++++ 200	1.00 500	5.00	20.0	50.0
Butyl Methacrylate	DCBd 4	Ave	+++++ 919269	3387 2346707	18706	82876	222041	+++++ 200	1.00 500	5.00	20.0	50.0
tert-Butylbenzene	DCBd 4	Ave	+++++ 1986700	7561 4827790	39772	182775	488353	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4-Trimethylbenzene	DCBd 4	Ave	+++++ 2555100	10635 6175994	55383	241820	619815	+++++ 200	1.00 500	5.00	20.0	50.0
sec-Butylbenzene	DCBd 4	Ave	+++++ 3246849	12810 7586463	66884	298670	787799	+++++ 200	1.00 500	5.00	20.0	50.0
1,3-Dichlorobenzene	DCBd 4	Ave	+++++ 1143087	6071 2561578	29359	120575	298479	+++++ 200	1.00 500	5.00	20.0	50.0
4-Isopropyltoluene	DCBd 4	Ave	+++++ 2704485	10595 6107573	55011	254920	655205	+++++ 200	1.00 500	5.00	20.0	50.0
1,4-Dichlorobenzene	DCBd 4	Ave	+++++ 1168819	6147 2775312	30015	120283	301523	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trimethylbenzene	DCBd 4	Ave	+++++ 2634642	11238 6433284	56908	251718	644182	+++++ 200	1.00 500	5.00	20.0	50.0
Benzyl chloride	DCBd 4	Ave	+++++ 1441814	5633 3592120	29026	128149	342588	+++++ 200	1.00 500	5.00	20.0	50.0
Indan	DCBd 4	Ave	+++++ 2508604	11606 6014045	58860	244081	636896	+++++ 200	1.00 500	5.00	20.0	50.0
p-Diethylbenzene	DCBd 4	Ave	+++++ 1388626	6120 3340630	32454	140128	354384	+++++ 200	1.00 500	5.00	20.0	50.0
n-Butylbenzene	DCBd 4	Ave	+++++ 1450089	6240 3461989	32482	144040	363391	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dichlorobenzene	DCBd 4	Ave	+++++ 1210042	5864 2887635	31039	124503	313260	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,4,5-Tetramethylbenzene	DCBd 4	Ave	+++++ 2657235	10816 6118782	57573	248138	659817	+++++ 200	1.00 500	5.00	20.0	50.0
1,2-Dibromo-3-Chloropropane	DCBd 4	Ave	+++++ 166903	940 370396	4061	15519	41123	+++++ 200	1.00 500	5.00	20.0	50.0
1,3,5-Trichlorobenzene	DCBd 4	Ave	+++++ 917102	5161 2048822	22864	96288	237891	+++++ 200	1.00 500	5.00	20.0	50.0

FORM VI
GC/MS VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 705288

SDG No.:

Instrument ID: CVOAMS6 GC Column: Rtx-624 ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 07/01/2020 16:17 Calibration End Date: 07/01/2020 18:44 Calibration ID: 80857

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3	LVL 4	LVL 5
1,2,4-Trichlorobenzene	DCBd 4	Ave	+++++ 879068	4715 1928974	22125	92953	230939	+++++ 200	1.00 500	5.00	20.0	50.0
Hexachlorobutadiene	DCBd 4	Ave	+++++ 334097	1614 719222	8052	33710	85295	+++++ 200	1.00 500	5.00	20.0	50.0
Naphthalene	DCBd 4	Ave	+++++ 2828307	13004 6424232	66190	272734	699972	+++++ 200	1.00 500	5.00	20.0	50.0
1,2,3-Trichlorobenzene	DCBd 4	Ave	+++++ 841895	4212 1849382	20871	86103	218740	+++++ 200	1.00 500	5.00	20.0	50.0
Dibromofluoromethane (Surr)	FB	Ave	122502 110632	108076 107867	117110	118712	121513	50.0 50.0	50.0 50.0	50.0	50.0	50.0
1,2-Dichloroethane-d4 (Surr)	FB	Ave	145842 139838	133785 144948	142264	141511	147407	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Toluene-d8 (Surr)	CBNZ d5	Ave	516519 507591	466653 497414	504464	512332	539739	50.0 50.0	50.0 50.0	50.0	50.0	50.0
Bromofluorobenzene	CBNZ d5	Ave	133502 133828	126800 136567	133223	134711	138362	50.0 50.0	50.0 50.0	50.0	50.0	50.0

Curve Type Legend:

Ave = Average ISTD
Qua2 = Quadratic 1/conc^2 ISTD
QuaF = Quadratic ISTD forced zero

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Lims ID: STD7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 01-Jul-2020 16:17:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD7
Misc. Info.: 460-0112547-004
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jul-2020 19:35:22 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: kluseys Date: 02-Jul-2020 19:32:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
7 Butadiene	54	1.862	1.853	0.009	39	731	0.2500	0.2115	
* 31 TBA-d9 (IS)	65	3.193	3.185	0.008	0	246765	1000.0	1000.0	
35 Acrylonitrile	53	3.439	3.439	0.000	94	2462	2.00	1.88	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	320498	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	96	122502	50.0	50.6	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.033	5.025	0.008	0	145842	50.0	48.7	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	546528	50.0	50.0	
* 71 1,4-Dioxane-d8	96	5.995	5.995	0.000	0	21356	1000.0	1000.0	
79 Epichlorohydrin	57	6.652	6.644	0.008	89	1456	5.00	4.71	a
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	100	516519	50.0	51.0	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	86	367194	50.0	50.0	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	86	133502	50.0	49.9	
* 120 1,4-Dichlorobenzene-d4	152	10.908	10.908	0.000	96	196698	50.0	50.0	

QC Flag Legend

Review Flags
a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	2.50	Units: uL	
ACRY/EPIH MIX_00075	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	0.00	Units: uL	
ACROLEIN W_00108	Amount Added:	0.00	Units: uL	
8FreonHi_00020	Amount Added:	0.00	Units: uL	
MIX I Hi_00127	Amount Added:	0.00	Units: uL	
524freon_00024	Amount Added:	0.00	Units: uL	
14DIOXINTER_00116	Amount Added:	0.00	Units: uL	
Ethanol mix_00041	Amount Added:	0.00	Units: uL	
MIX 2 Hi_00099	Amount Added:	0.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 02-Jul-2020 19:35:23 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D

Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6 Operator ID:

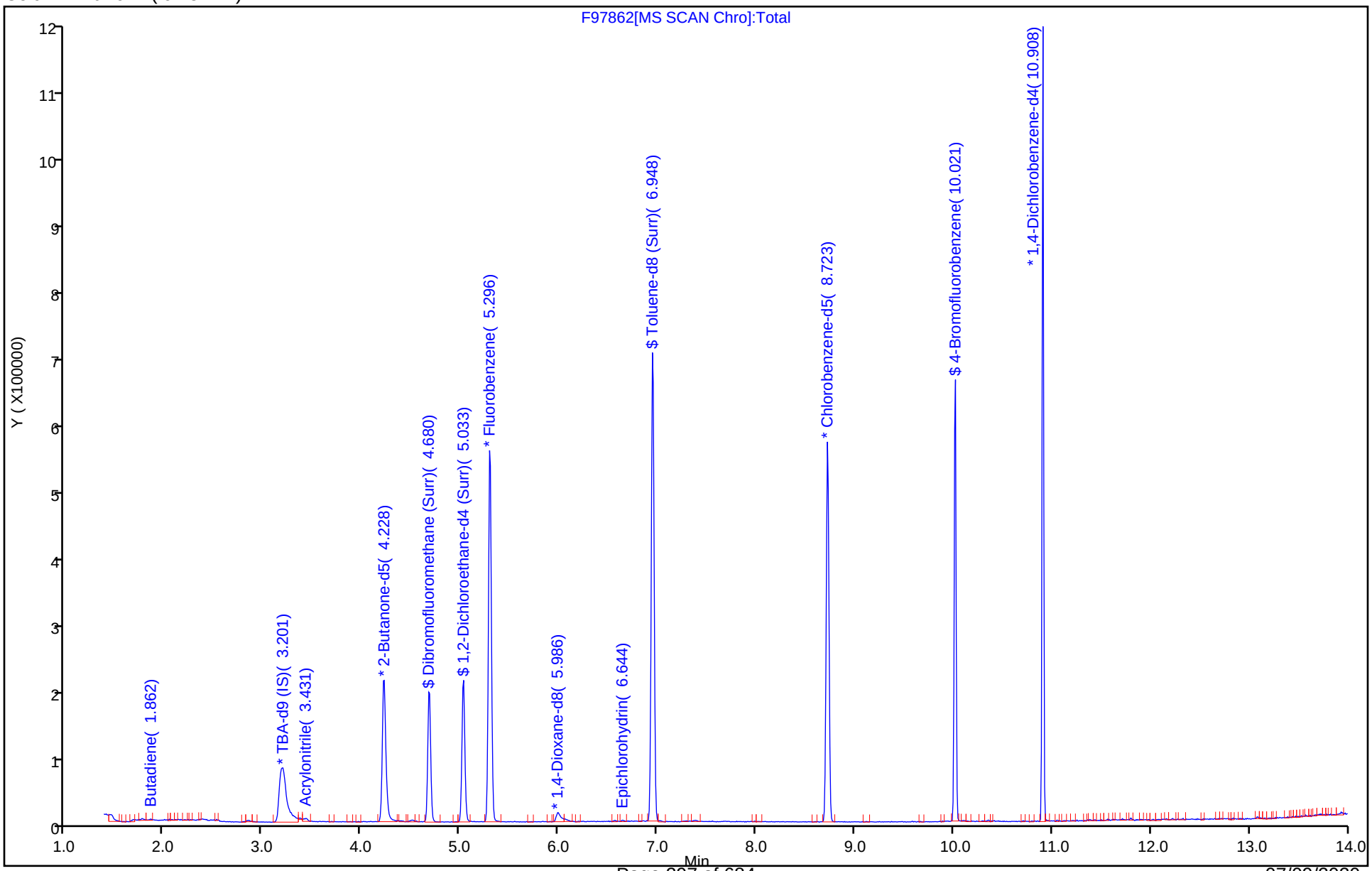
Lims ID: STD7 Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

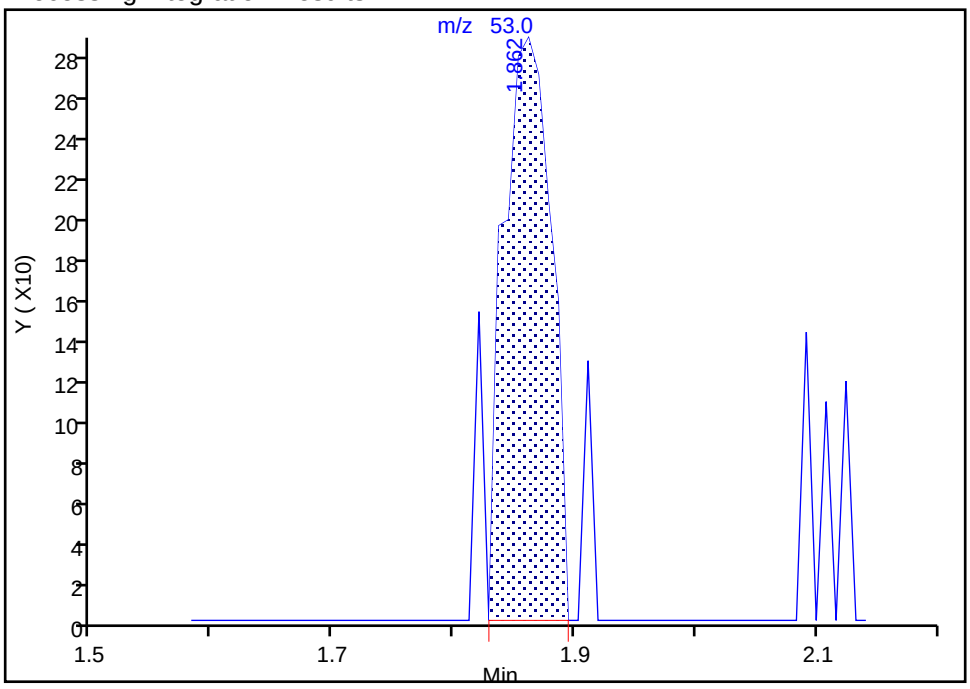
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 2

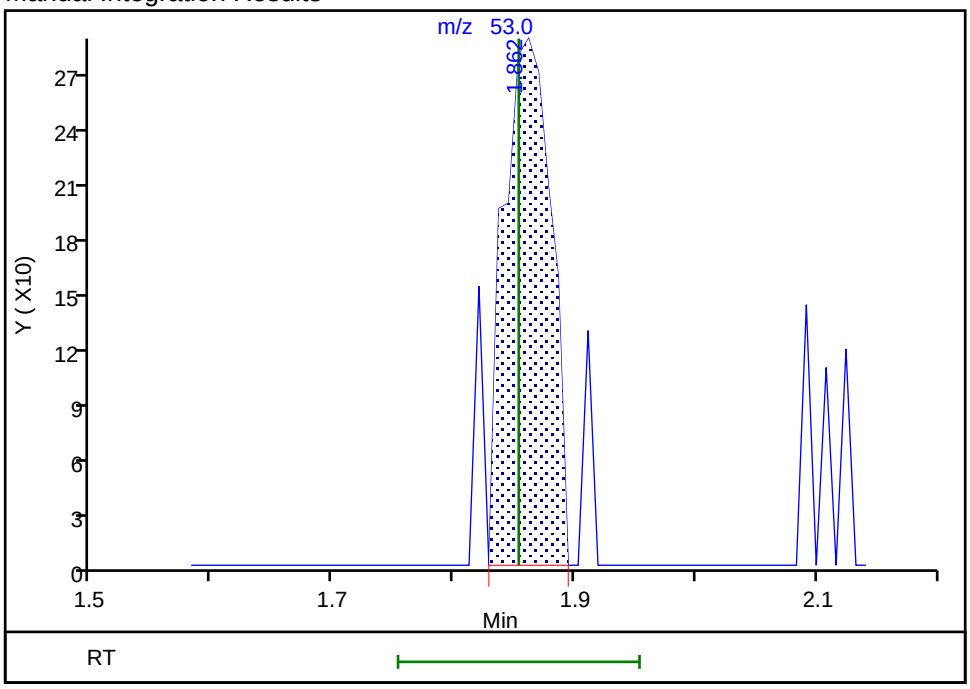
Processing Integration Results

RT: 1.86
Area: 778
Amount: 0.211480
Amount Units: ug/l



Manual Integration Results

RT: 1.86
Area: 778
Amount: 0.211480
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 19:30:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

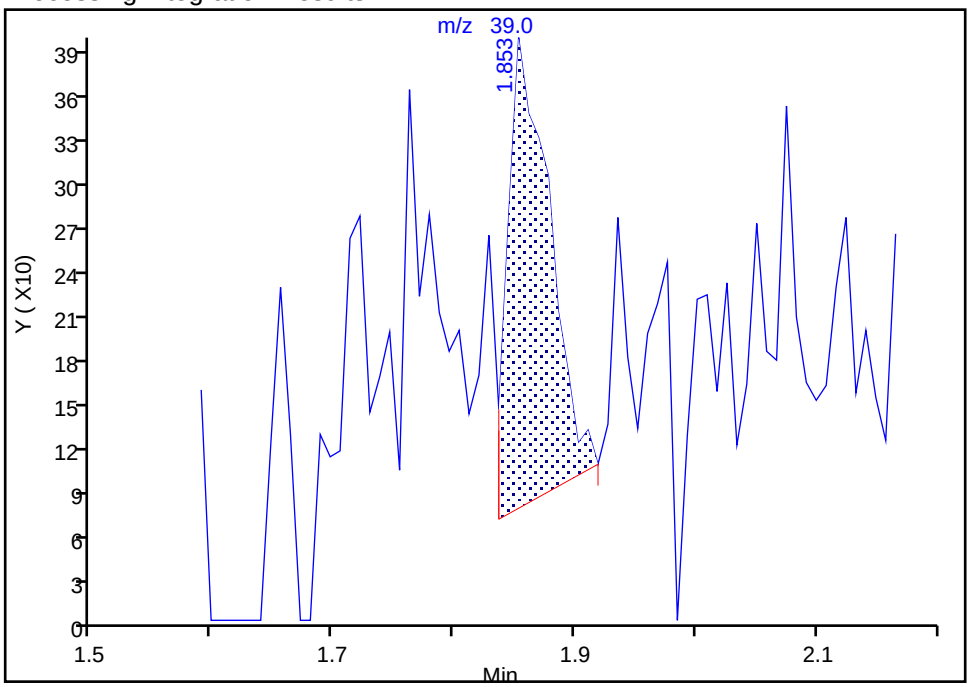
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 3

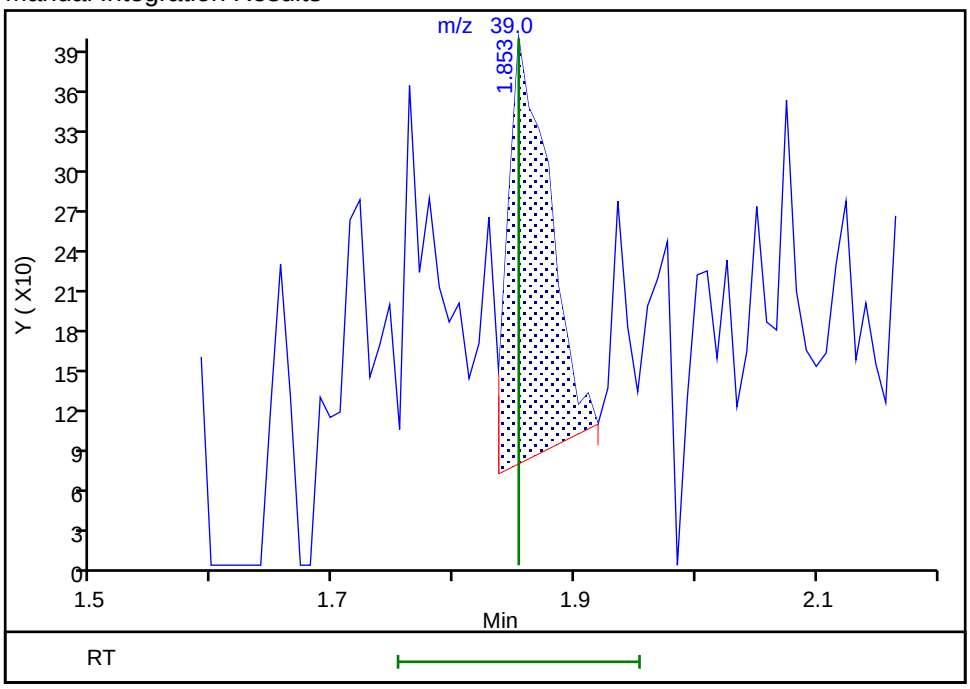
Processing Integration Results

RT: 1.85
Area: 762
Amount: 0.211480
Amount Units: ug/l



Manual Integration Results

RT: 1.85
Area: 762
Amount: 0.211480
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 19:30:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

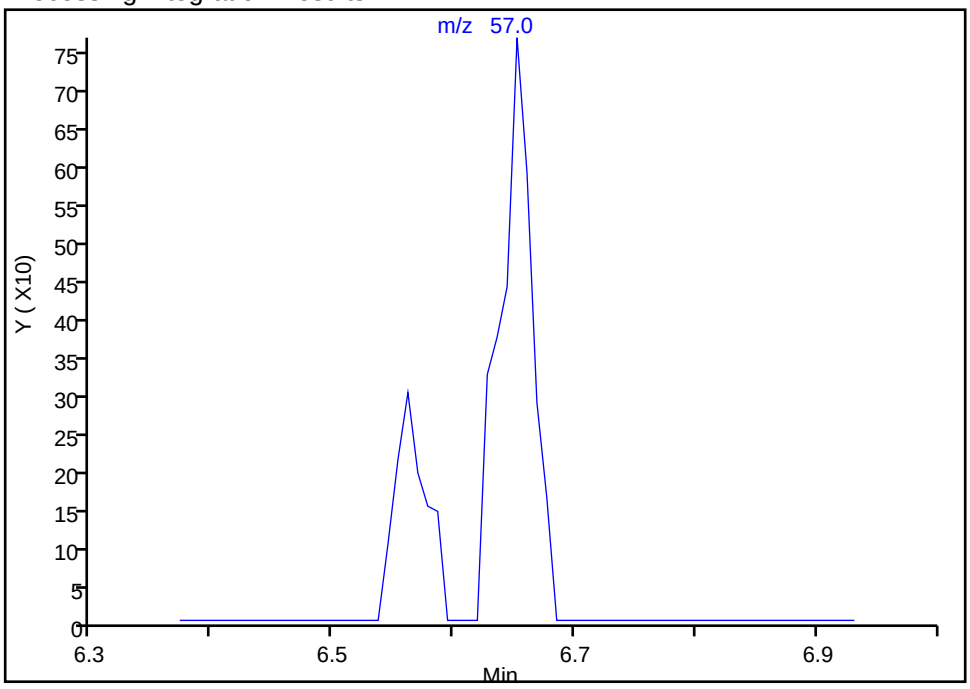
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 Epichlorohydrin, CAS: 106-89-8

Signal: 1

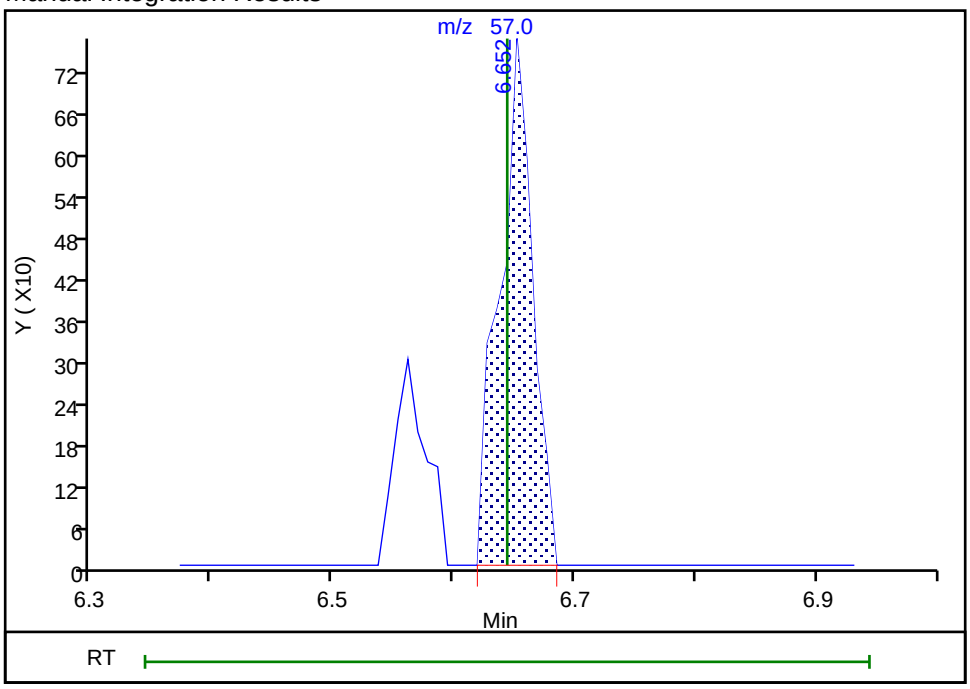
Not Detected
Expected RT: 6.64

Processing Integration Results



Manual Integration Results

RT: 6.65
Area: 1456
Amount: 4.706010
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 19:31:46
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

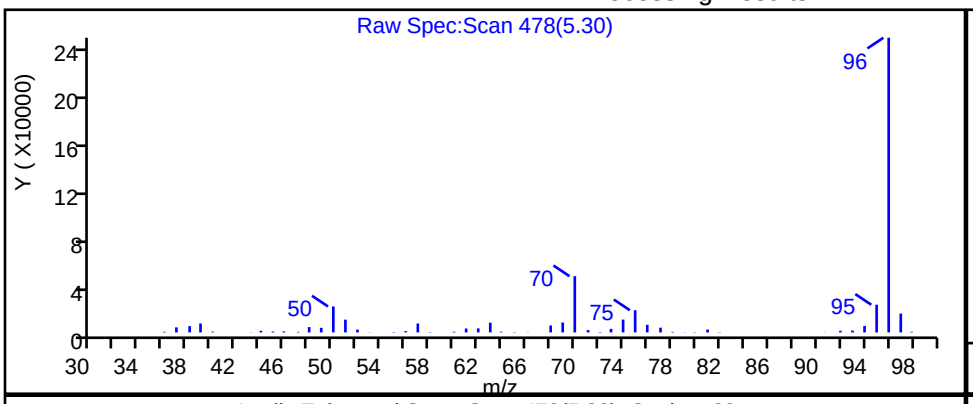
User Disabled Compound Report

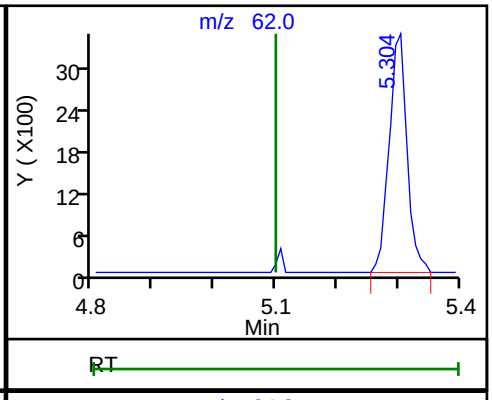
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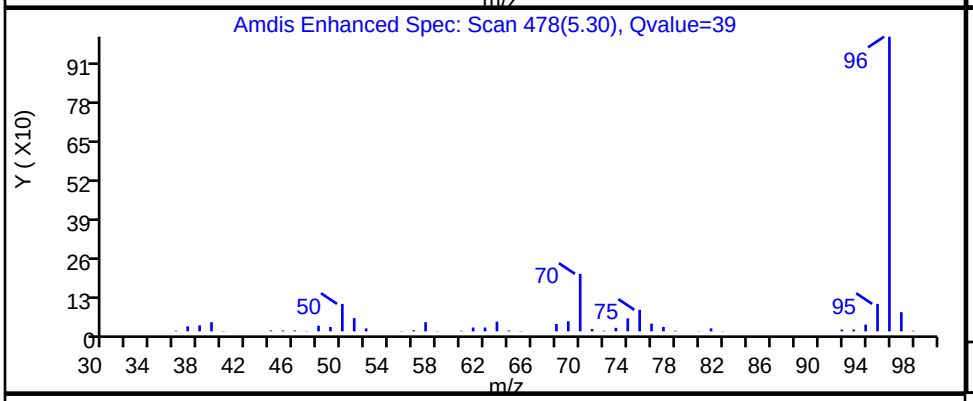
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Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

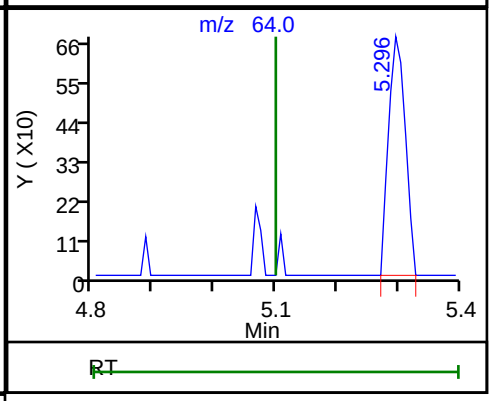
63 1,2-Dichloroethane, CAS: 107-06-2

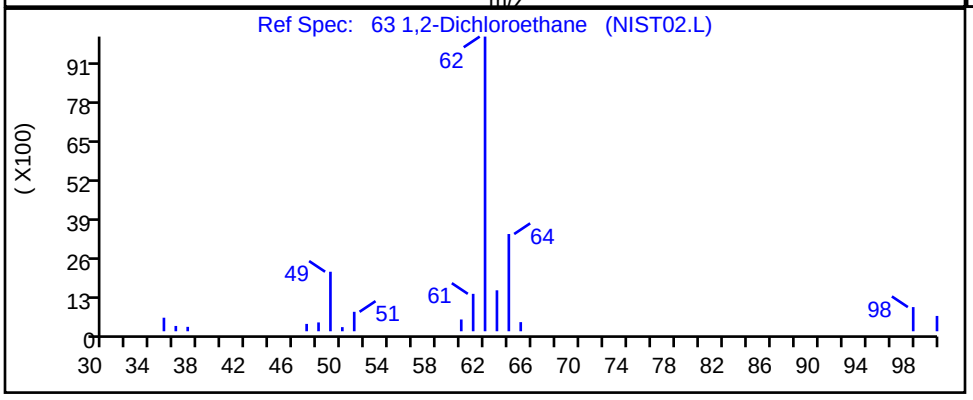
Processing Results











RT	Mass	Response	Amount
5.30	62.00	6972	1.944138
5.30	64.00	1301	

Reviewer: kluseys, 02-Jul-2020 19:31:28
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

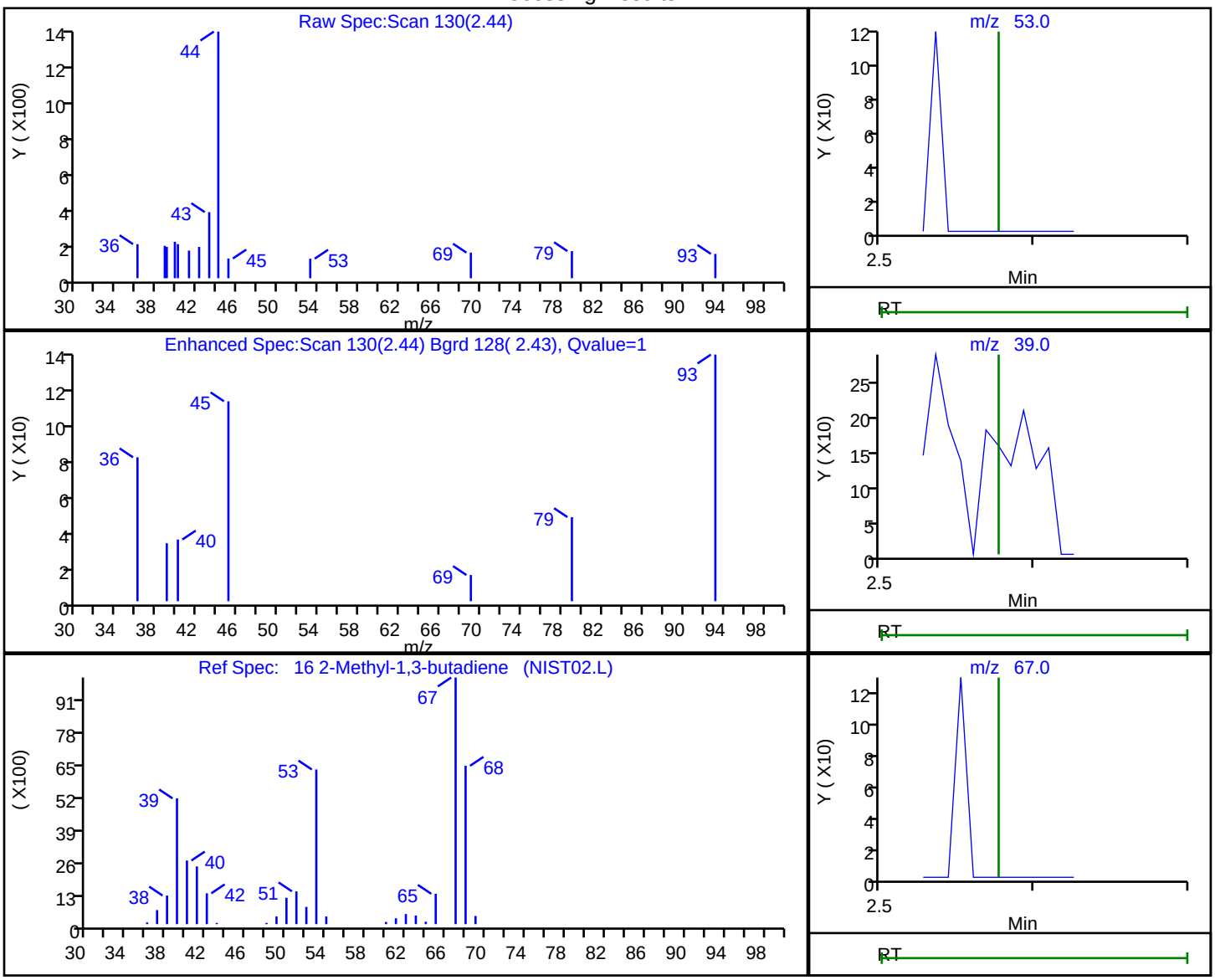
User Disabled Compound Report

Eurofins TestAmerica, Edison

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Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

16 2-Methyl-1,3-butadiene, CAS: 78-79-5

Processing Results



RT	Mass	Response	Amount
2.44	53.00	52	0.020022
2.44	39.00	320	
2.58	67.00	0	

Reviewer: kluseys, 02-Jul-2020 19:30:58
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

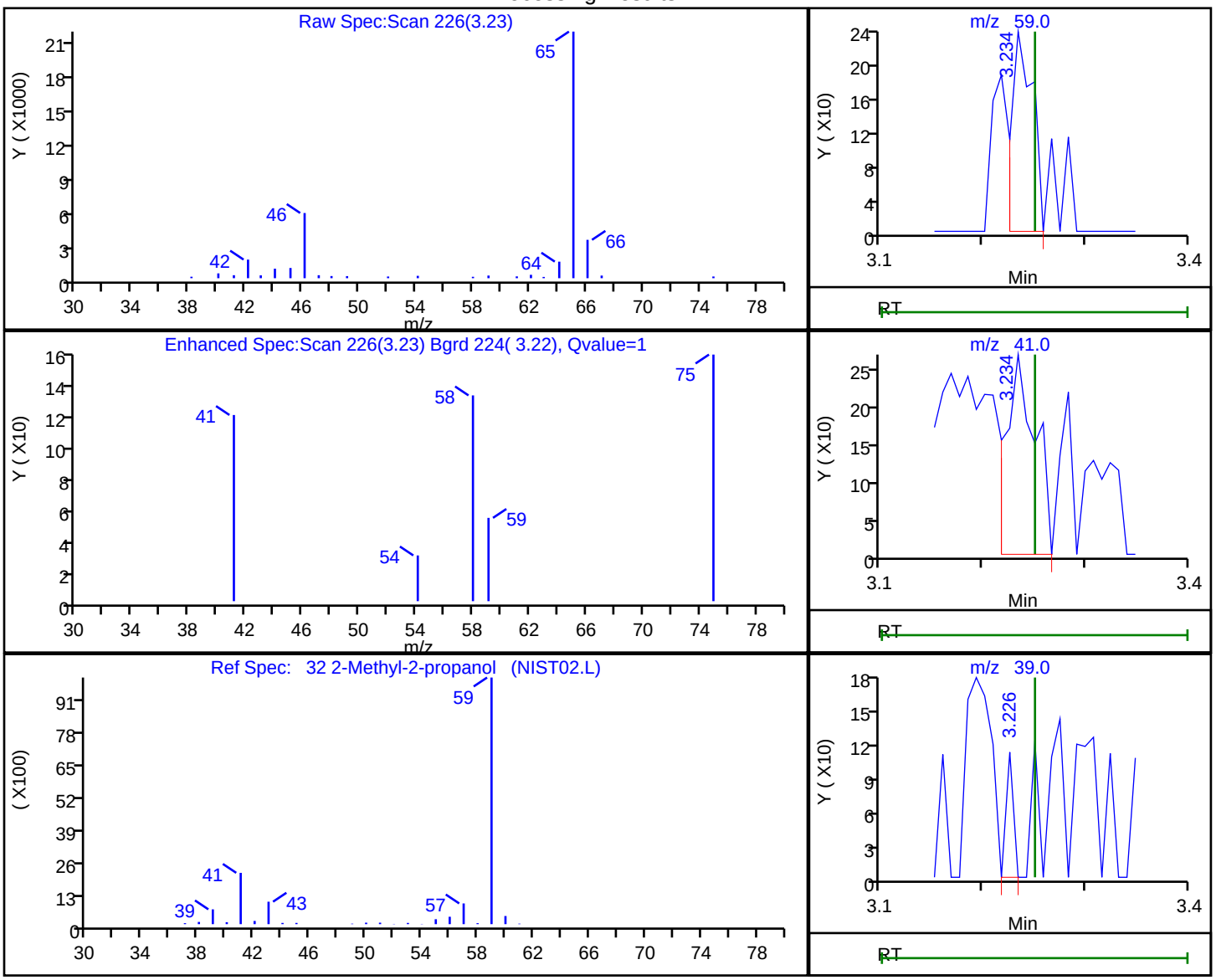
User Disabled Compound Report

Eurofins TestAmerica, Edison

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Injection Date:	01-Jul-2020 16:17:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

32 2-Methyl-2-propanol, CAS: 75-65-0

Processing Results



RT	Mass	Response	Amount
3.23	59.00	340	1.226345
3.23	41.00	536	
3.23	39.00	54	

Reviewer: kluseys, 02-Jul-2020 19:31:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

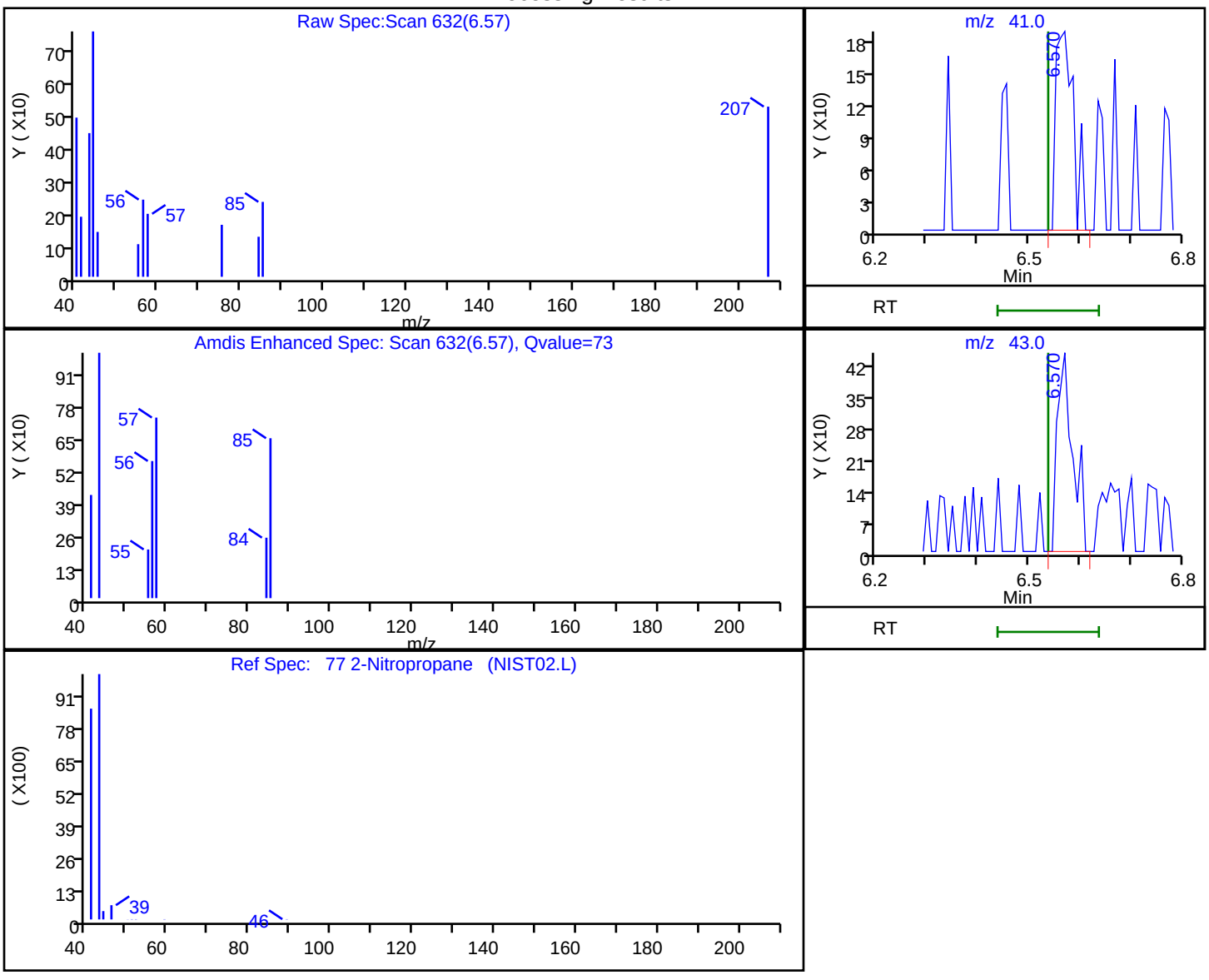
User Disabled Compound Report

Eurofins TestAmerica, Edison

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Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

77 2-Nitropropane, CAS: 79-46-9

Processing Results



RT	Mass	Response	Amount
6.57	41.00	452	0.653506
6.57	43.00	944	

Reviewer: kluseys, 02-Jul-2020 19:31:32
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

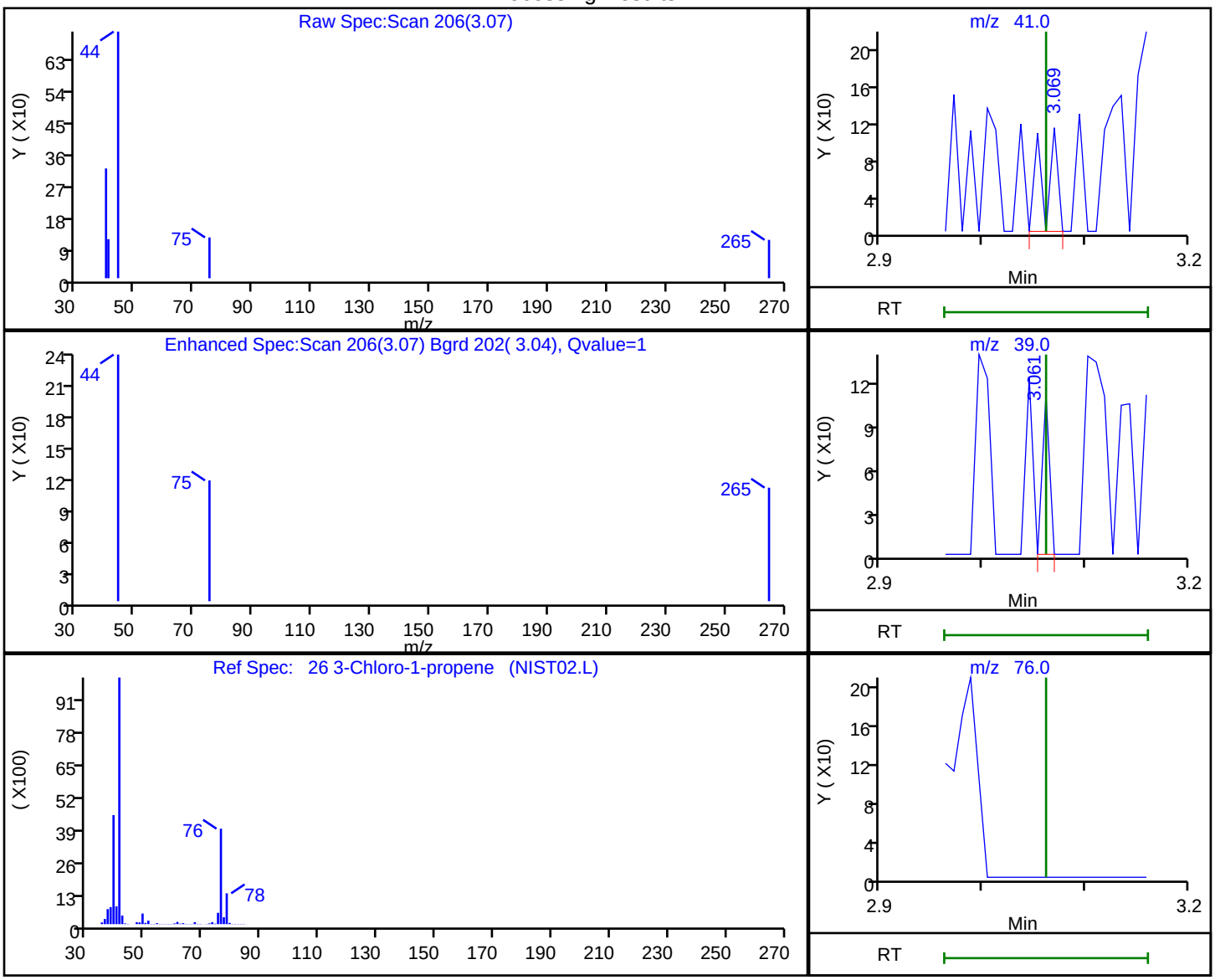
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

26 3-Chloro-1-propene, CAS: 107-05-1

Processing Results



RT	Mass	Response	Amount
3.07	41.00	107	0.020497
3.06	39.00	53	
3.06	76.00	0	

Reviewer: kluseys, 02-Jul-2020 19:31:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

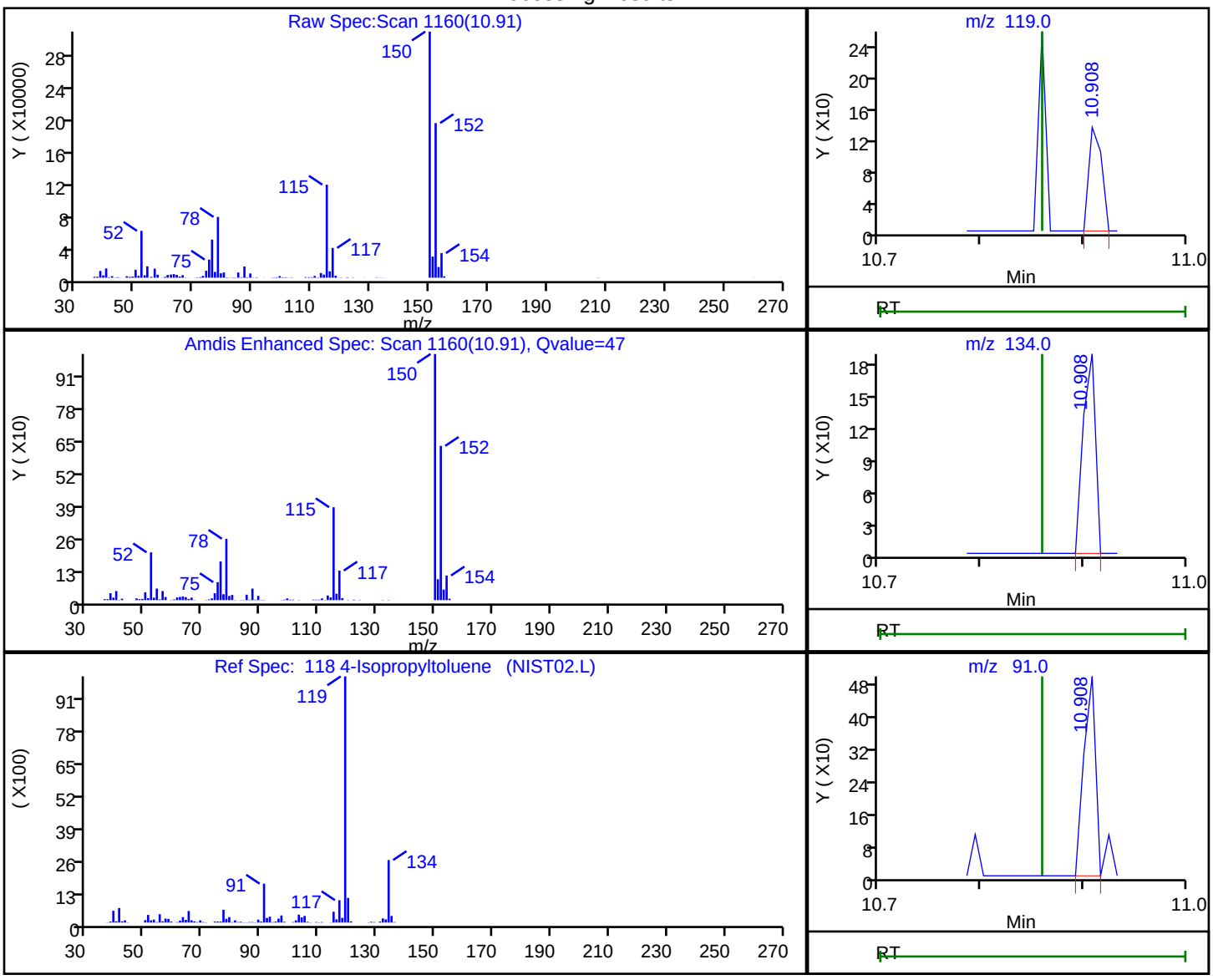
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

118 4-Isopropyltoluene, CAS: 99-87-6

Processing Results



RT	Mass	Response	Amount
10.91	119.00	115	0.009194
10.91	134.00	152	
10.91	91.00	391	

Reviewer: kluseys, 02-Jul-2020 19:31:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

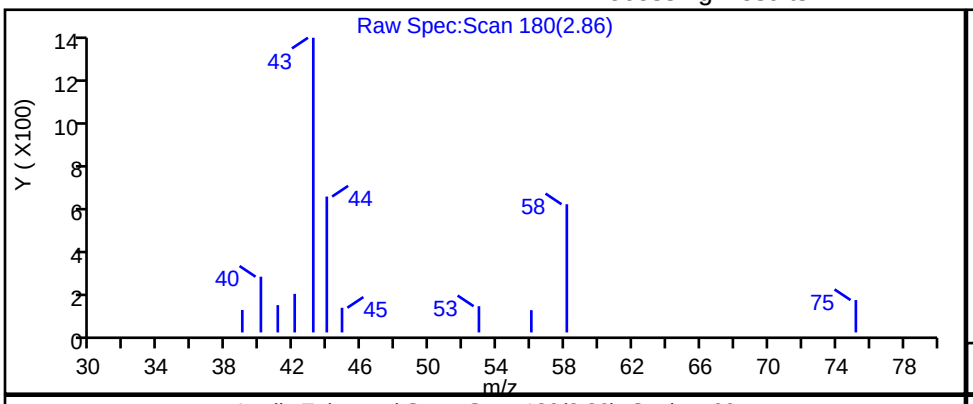
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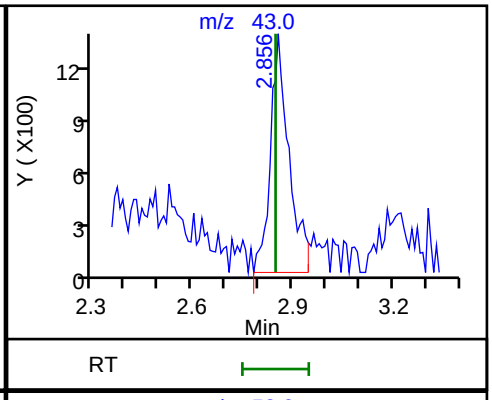
Eurofins TestAmerica, Edison

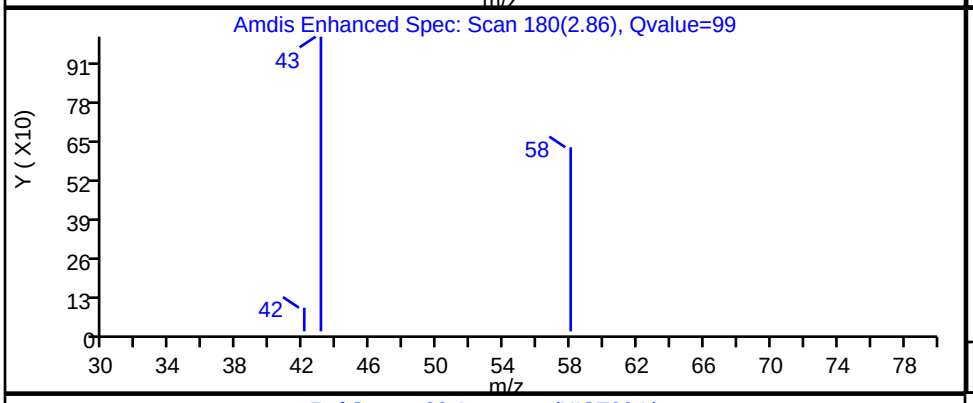
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Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

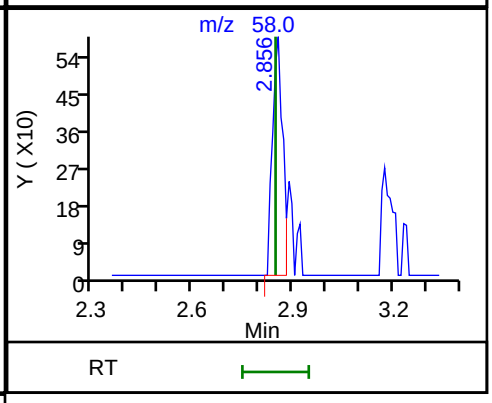
22 Acetone, CAS: 67-64-1

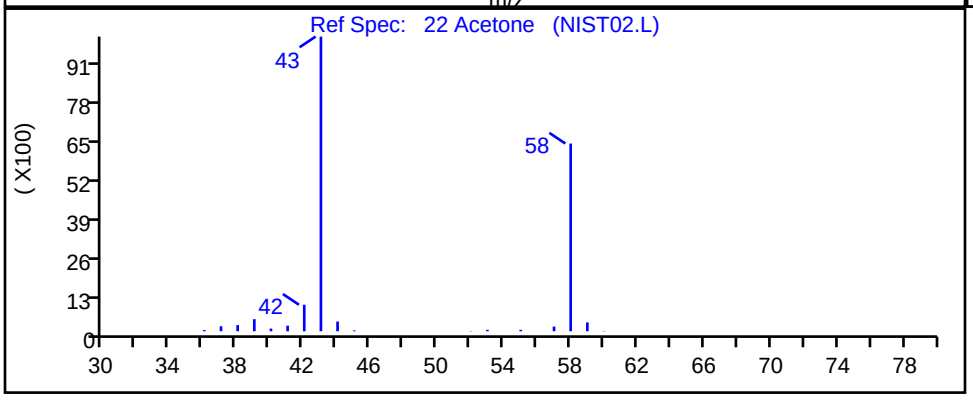
Processing Results











RT	Mass	Response	Amount
2.86	43.00	5150	4.169190
2.86	58.00	1243	

Reviewer: kluseys, 02-Jul-2020 19:31:09
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

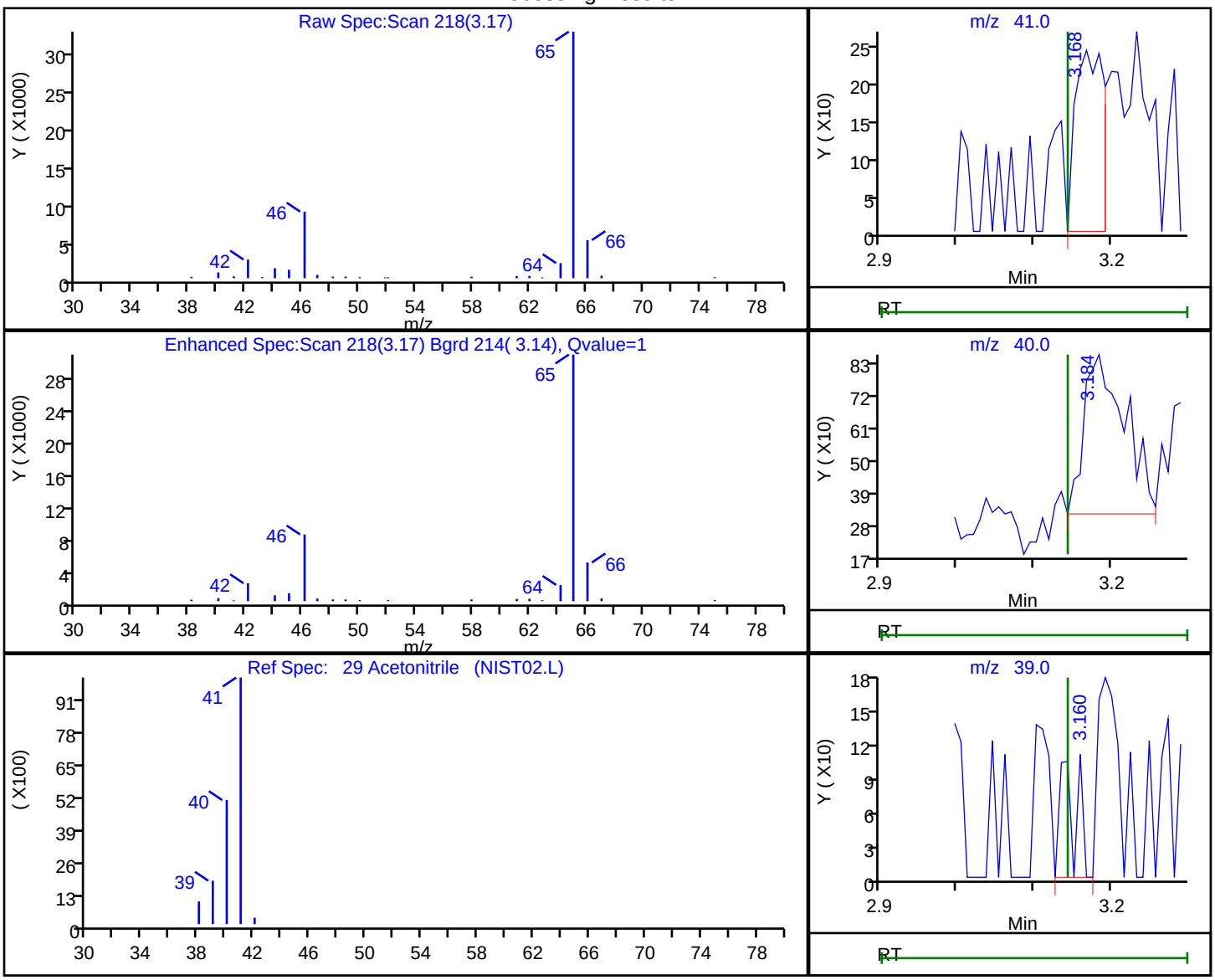
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Processing Results



RT	Mass	Response	Amount
3.17	41.00	624	2.005439
3.18	40.00	2025	
3.16	39.00	152	
3.18	38.00	1026	

Reviewer: kluseys, 02-Jul-2020 19:31:14
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

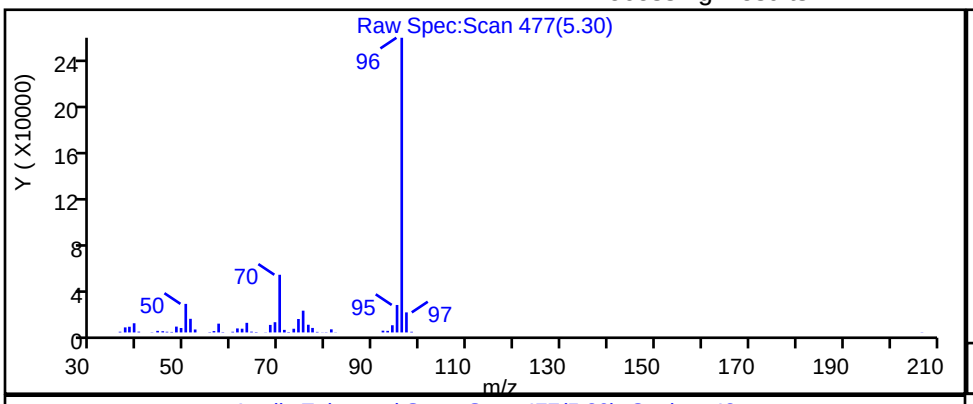
User Disabled Compound Report

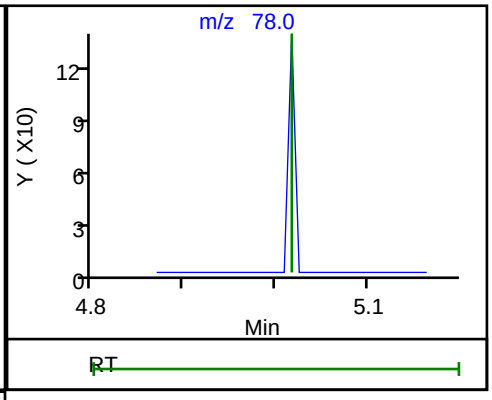
Eurofins TestAmerica, Edison

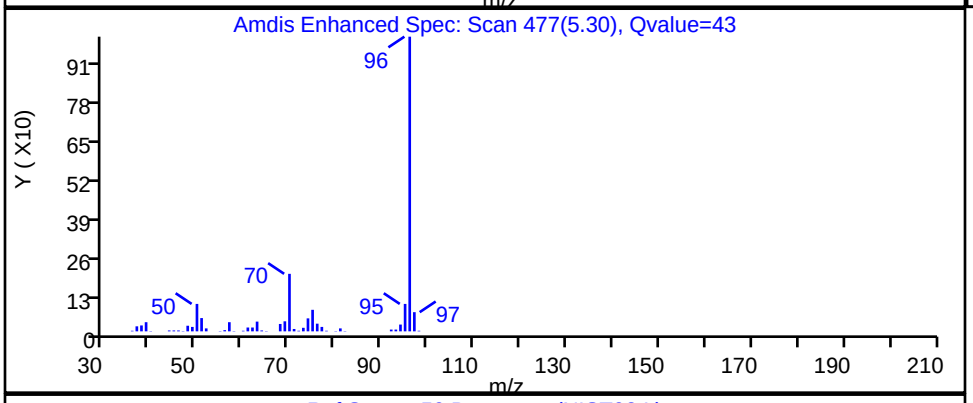
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Injection Date:	01-Jul-2020 16:17:30	Instrument ID:	CVOAMS6		
Lims ID:	STD7				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

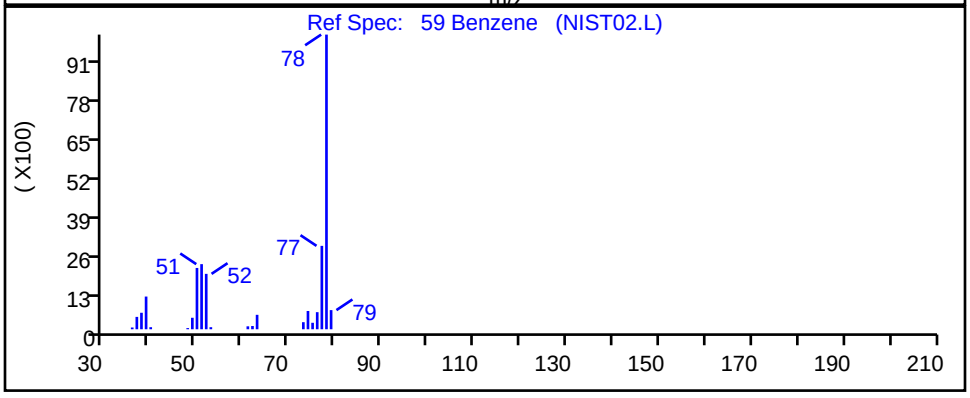
59 Benzene, CAS: 71-43-2

Processing Results









RT	Mass	Response	Amount
5.30	78.00	804	0.070236

Reviewer: kluseys, 02-Jul-2020 19:31:26

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

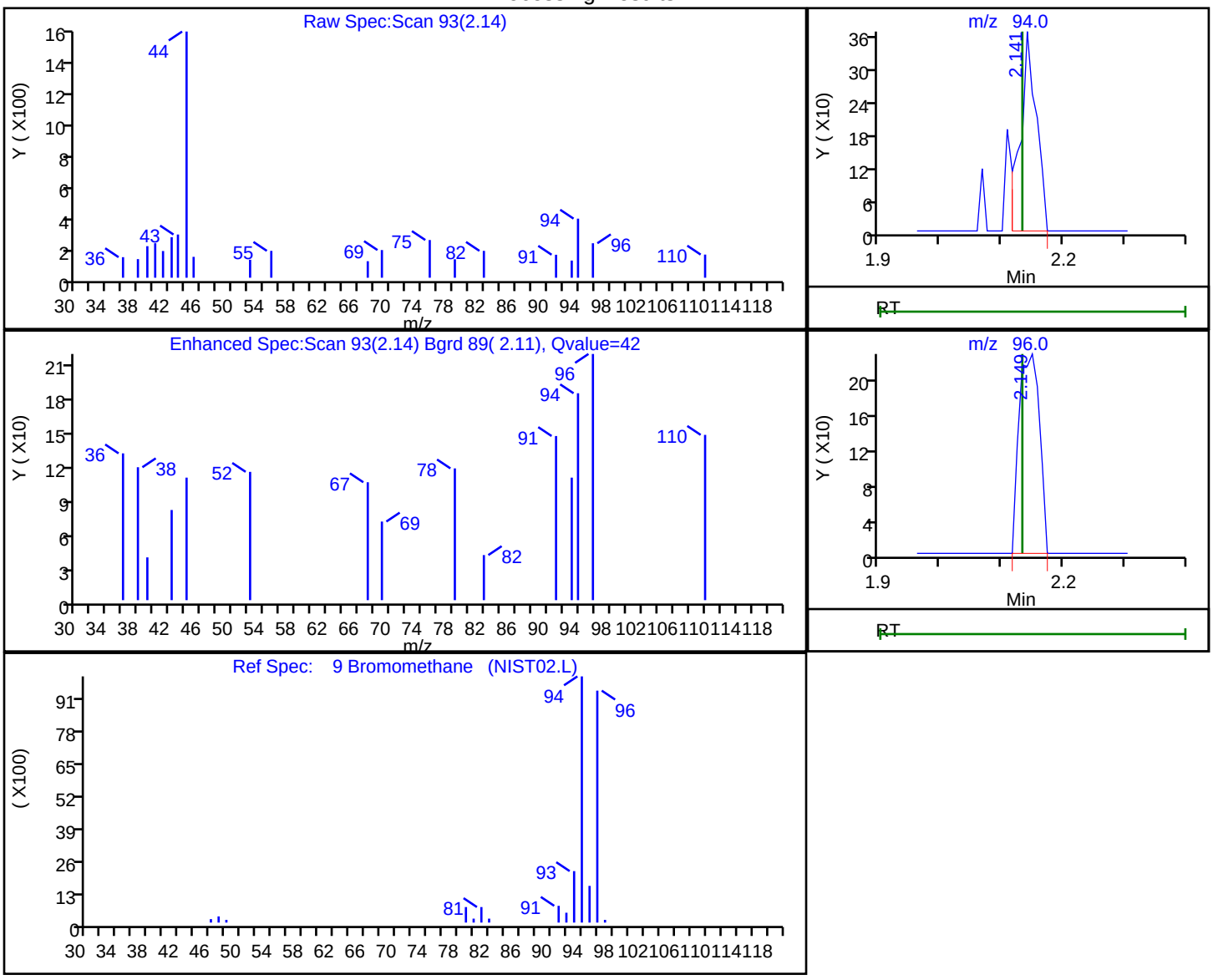
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.14	94.00	669	0.272460
2.15	96.00	527	

Reviewer: kluseys, 02-Jul-2020 19:30:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

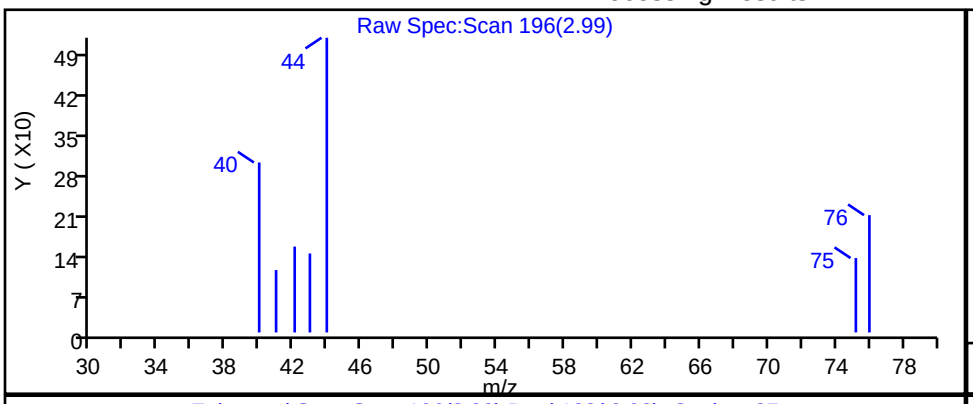
User Disabled Compound Report

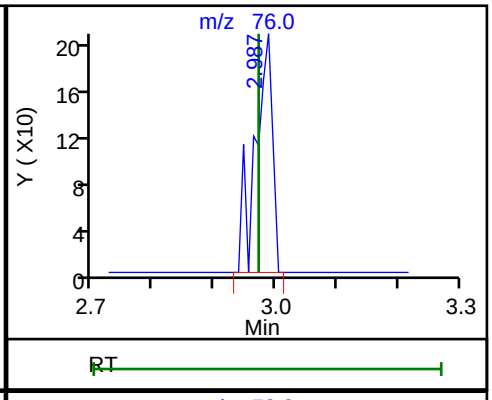
Eurofins TestAmerica, Edison

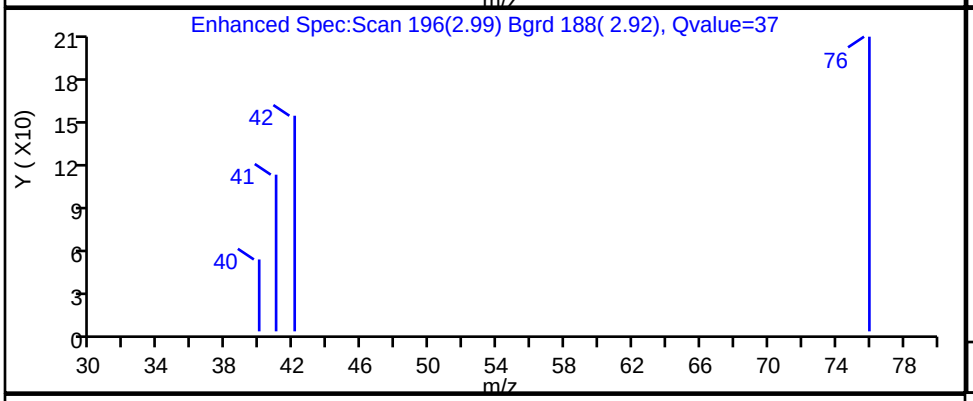
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Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

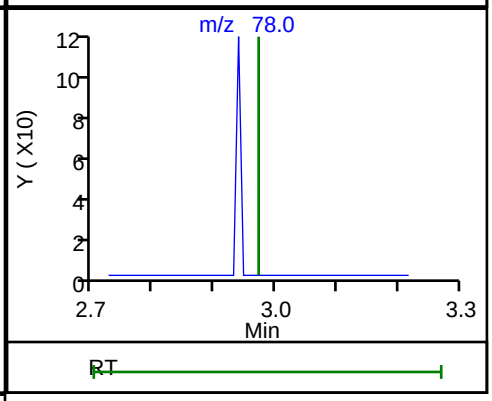
25 Carbon disulfide, CAS: 75-15-0

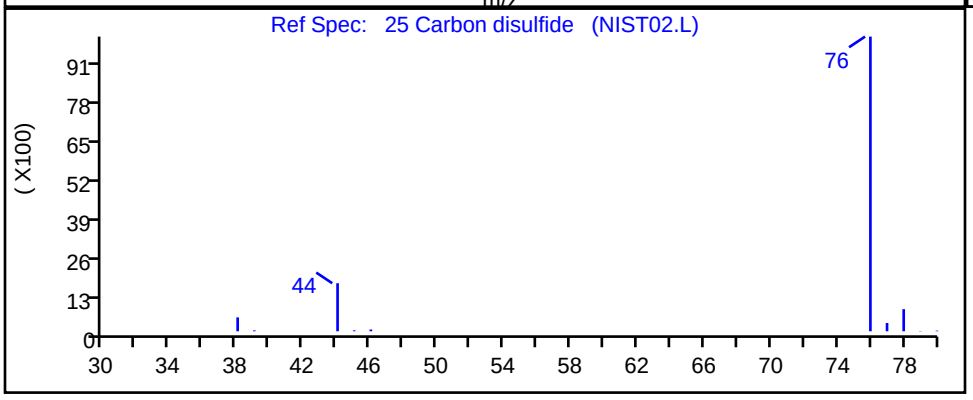
Processing Results











RT	Mass	Response	Amount
2.99	76.00	398	0.035294
2.97	78.00	0	

Reviewer: kluseys, 02-Jul-2020 19:31:11
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

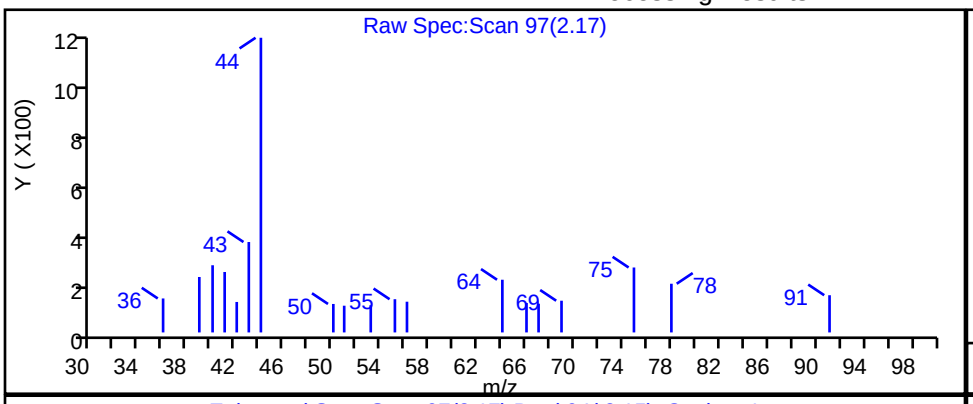
User Disabled Compound Report

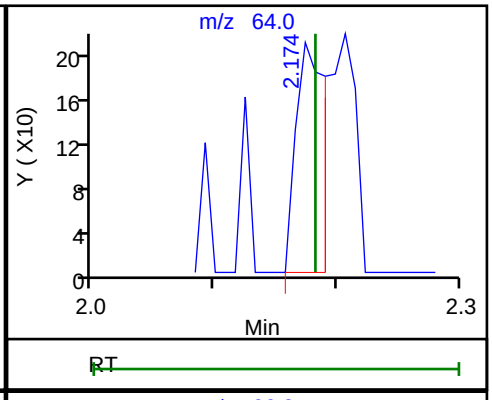
Eurofins TestAmerica, Edison

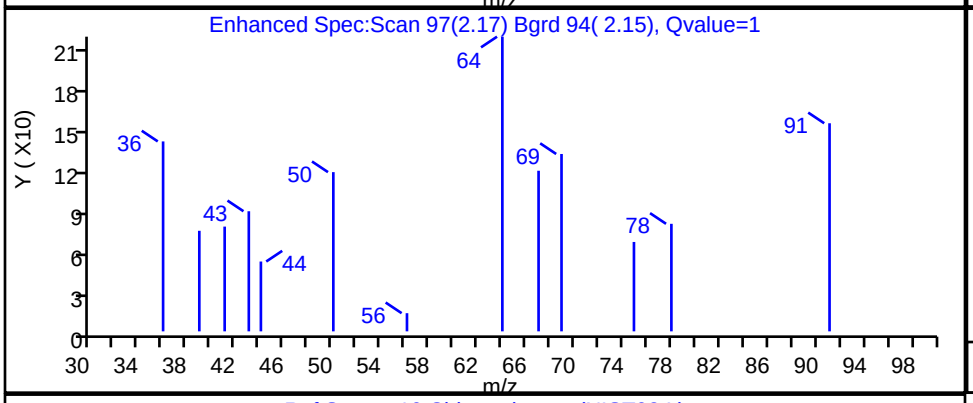
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Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

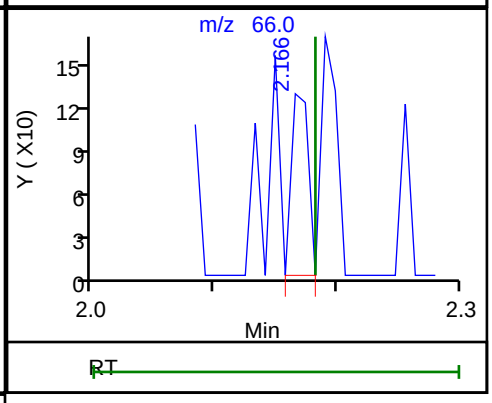
10 Chloroethane, CAS: 75-00-3

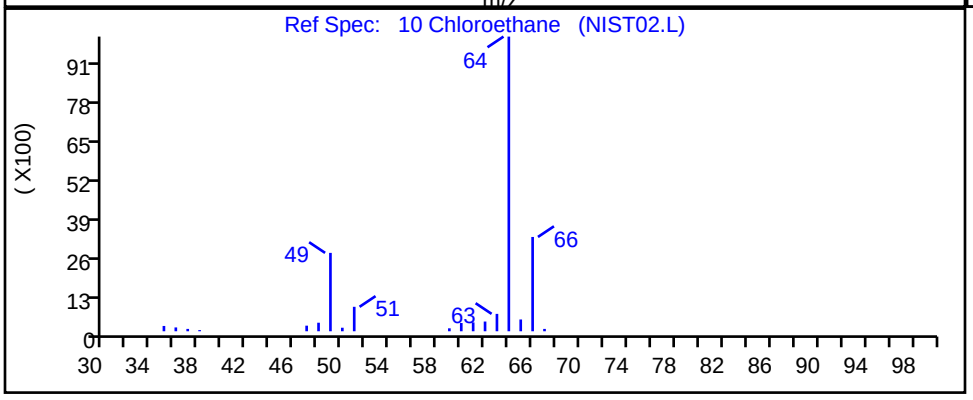
Processing Results











RT	Mass	Response	Amount
2.17	64.00	348	0.172342
2.17	66.00	119	

Reviewer: kluseys, 02-Jul-2020 19:30:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

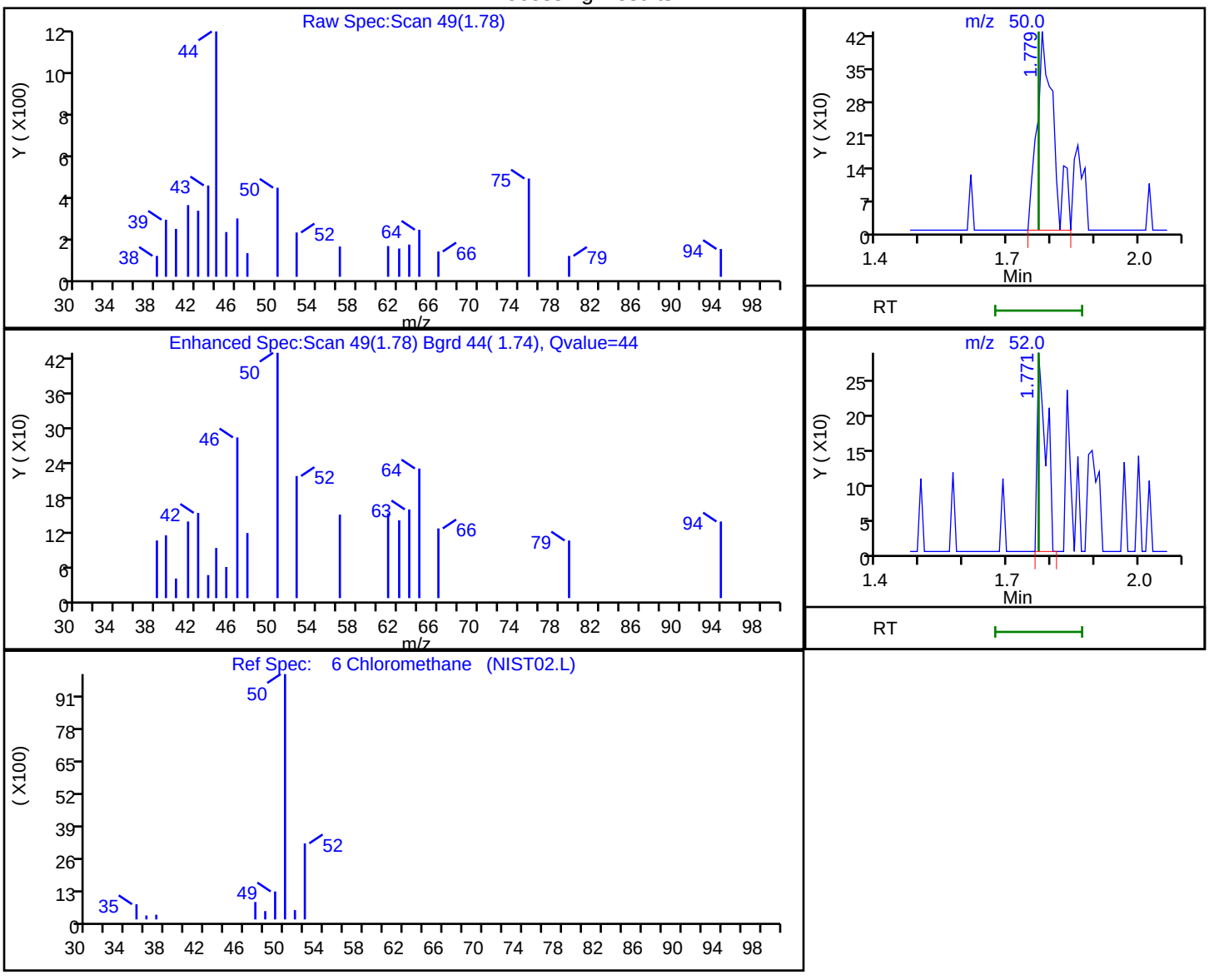
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

6 Chloromethane, CAS: 74-87-3

Processing Results



RT	Mass	Response	Amount
1.78	50.00	1128	0.282002
1.77	52.00	411	

Reviewer: kluseys, 02-Jul-2020 19:30:46
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

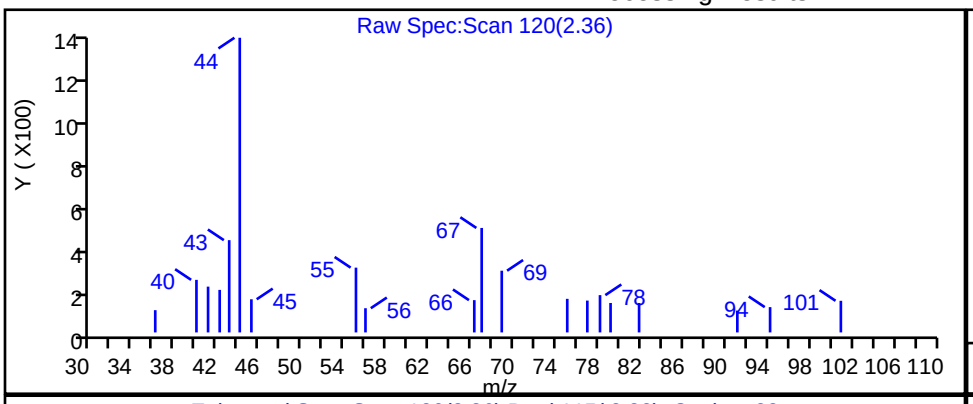
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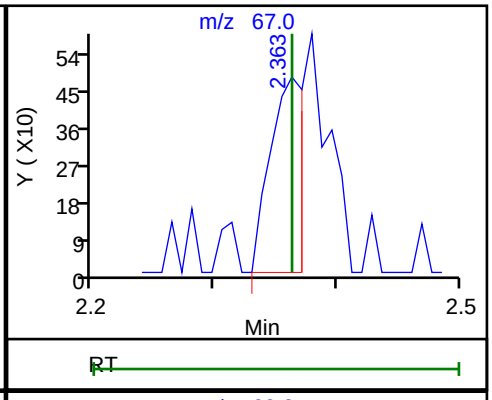
Eurofins TestAmerica, Edison

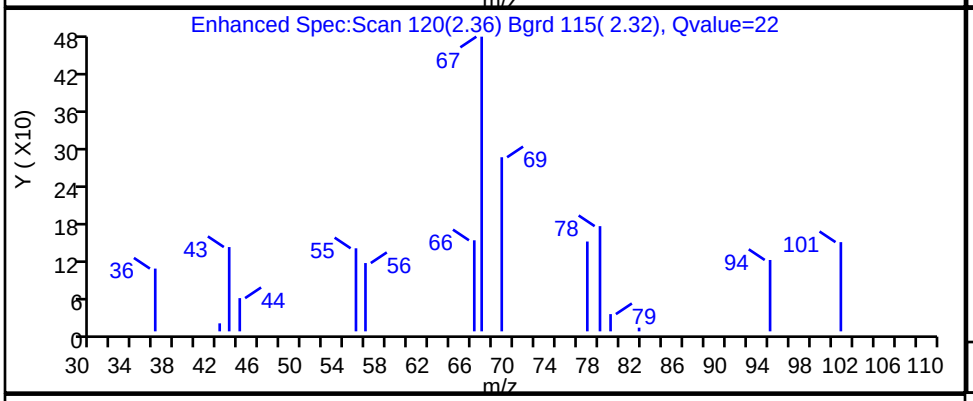
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Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

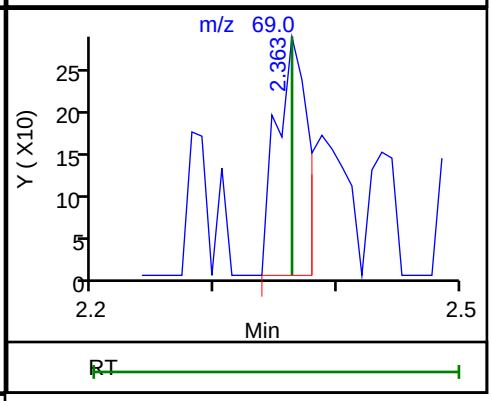
11 Dichlorofluoromethane, CAS: 75-43-4

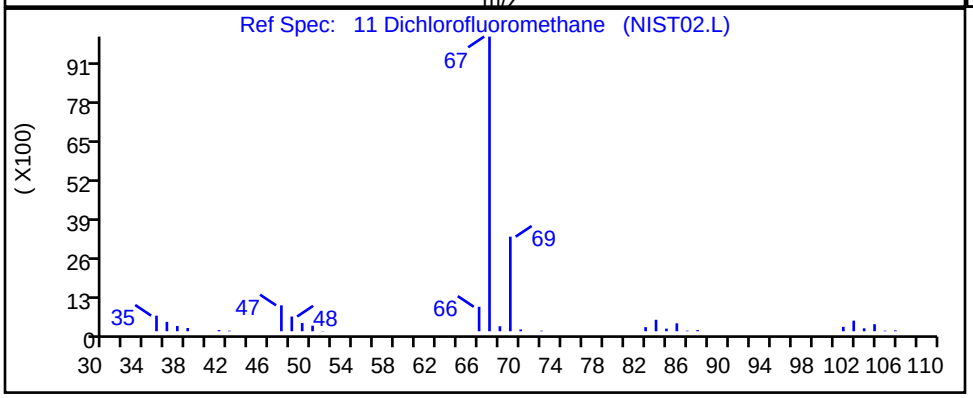
Processing Results











RT	Mass	Response	Amount
2.36	67.00	918	0.181385
2.36	69.00	500	

Reviewer: kluseys, 02-Jul-2020 19:30:54
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

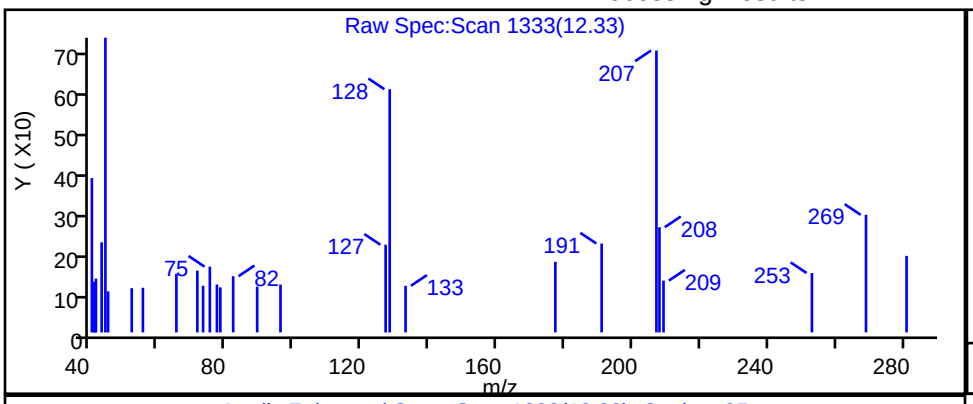
User Disabled Compound Report

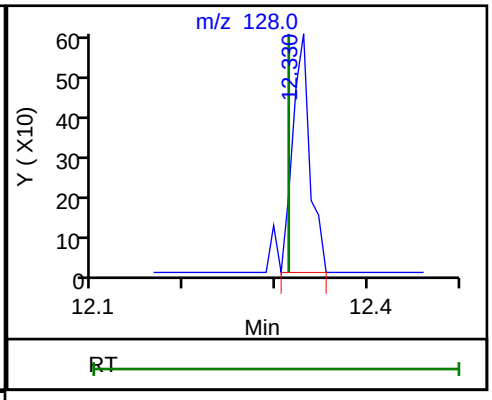
Eurofins TestAmerica, Edison

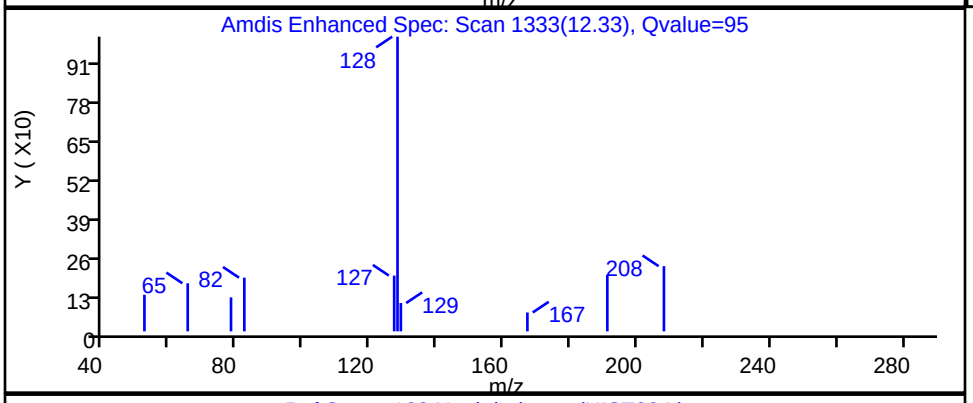
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

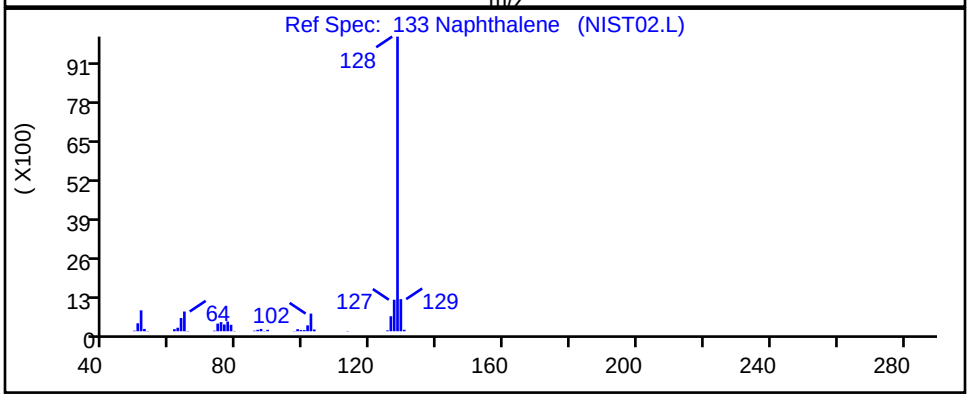
133 Naphthalene, CAS: 91-20-3

Processing Results









RT	Mass	Response	Amount
12.33	128.00	795	0.057517

Reviewer: kluseys, 02-Jul-2020 19:31:56
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

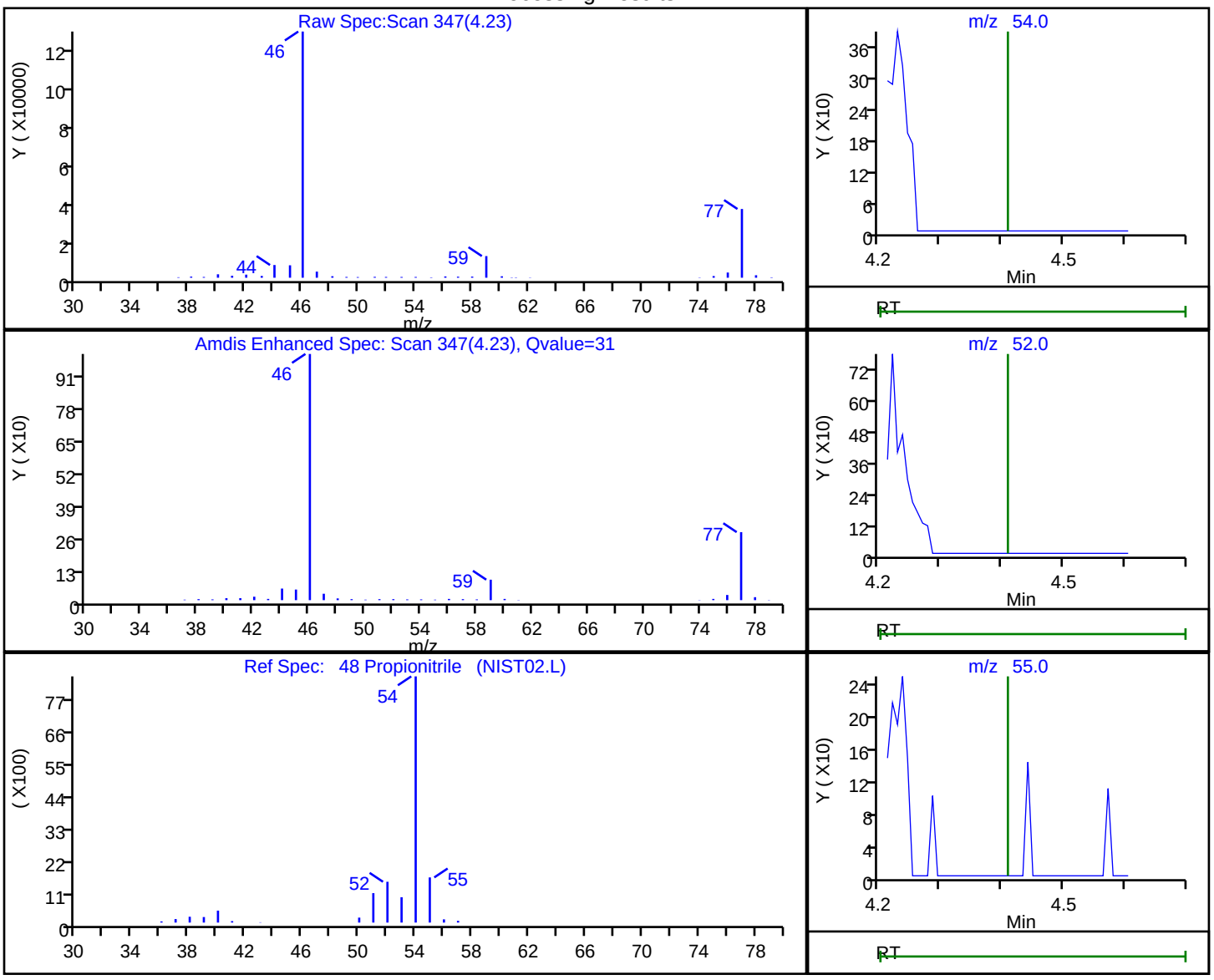
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

48 Propionitrile, CAS: 107-12-0

Processing Results



RT	Mass	Response	Amount
4.23	54.00	880	2.060815
4.22	52.00	1591	
4.24	55.00	535	

Reviewer: kluseys, 02-Jul-2020 19:31:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

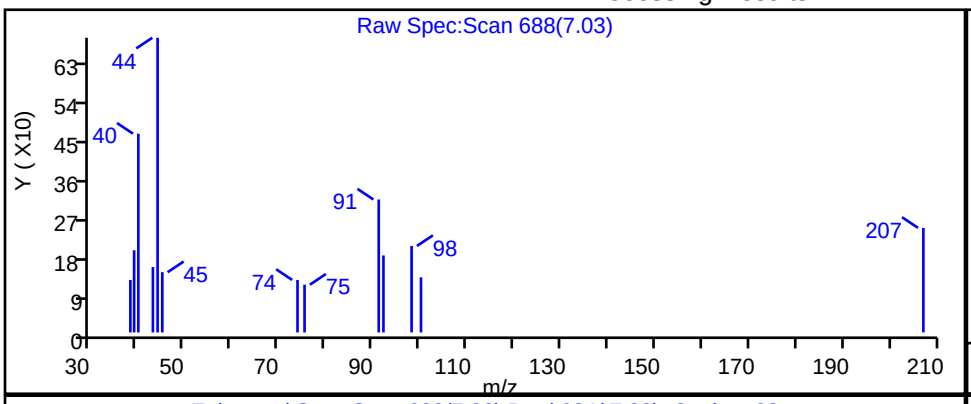
User Disabled Compound Report

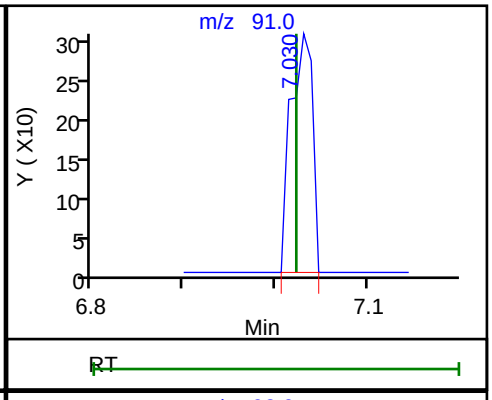
Eurofins TestAmerica, Edison

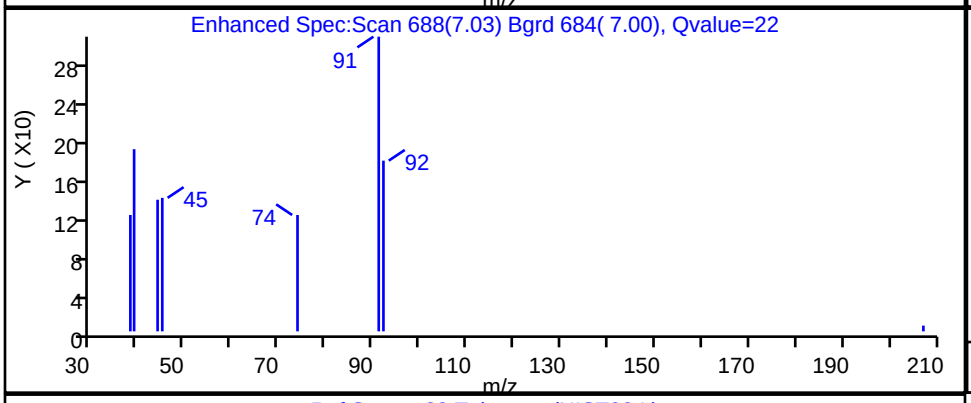
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

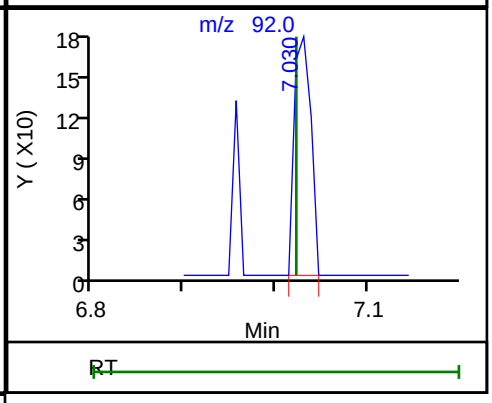
83 Toluene, CAS: 108-88-3

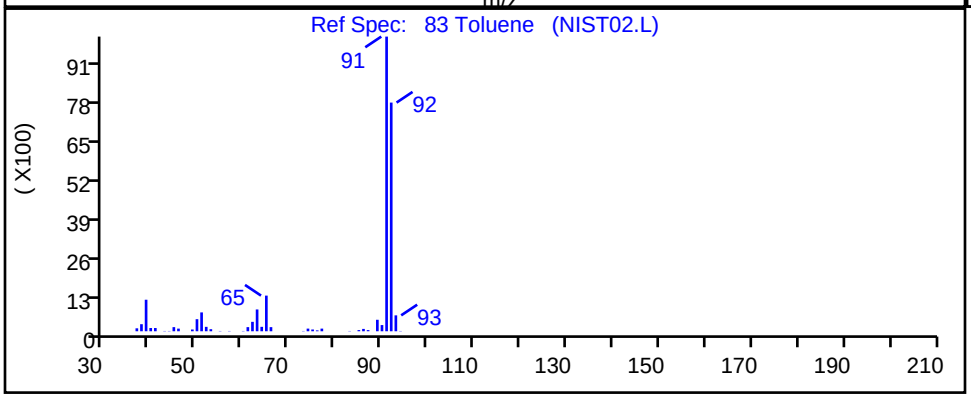
Processing Results











RT	Mass	Response	Amount
7.03	91.00	509	0.042134
7.03	92.00	227	

Reviewer: kluseys, 02-Jul-2020 19:31:35
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

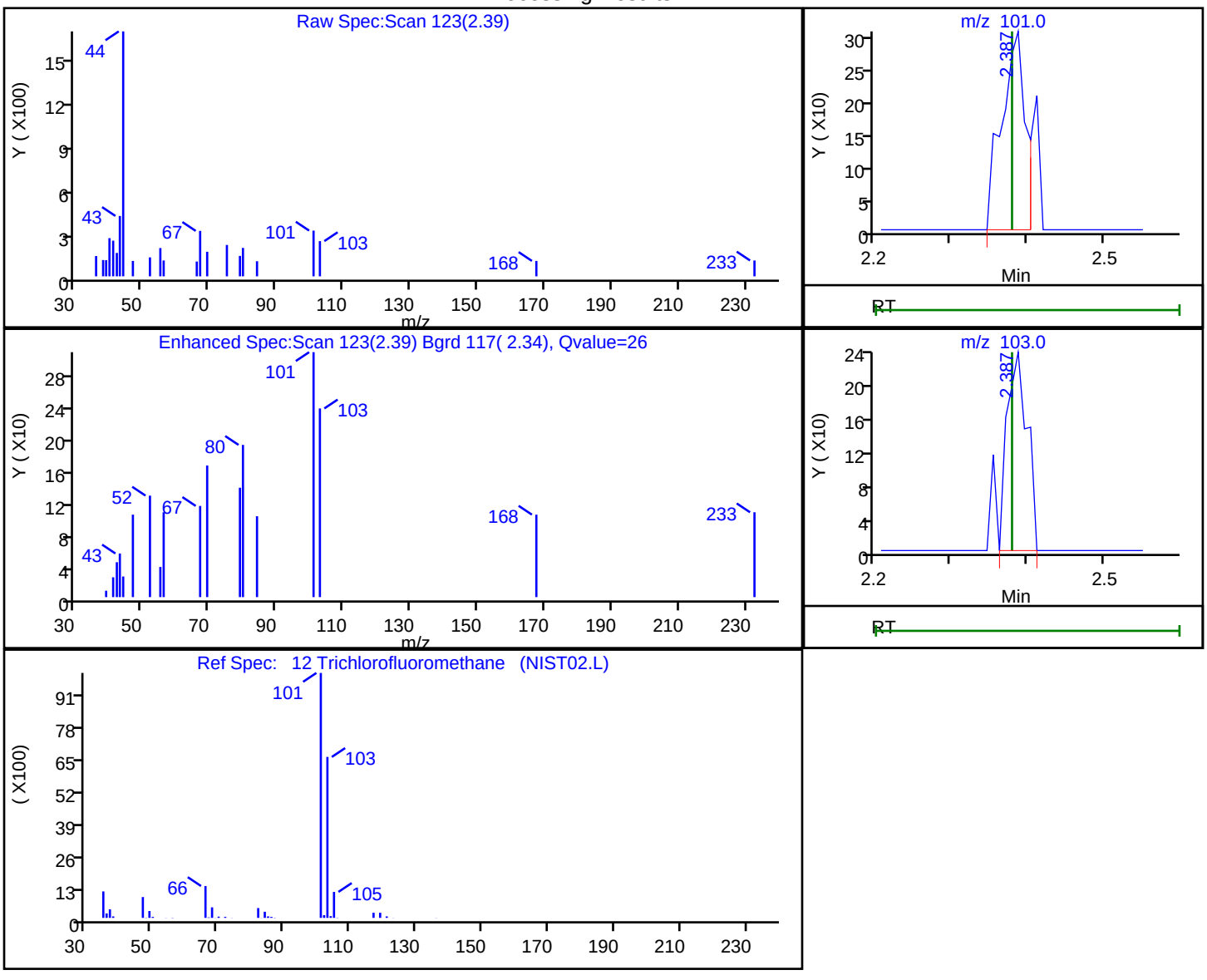
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Processing Results



RT	Mass	Response	Amount
2.39	101.00	677	0.176839
2.39	103.00	438	

Reviewer: kluseys, 02-Jul-2020 19:30:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

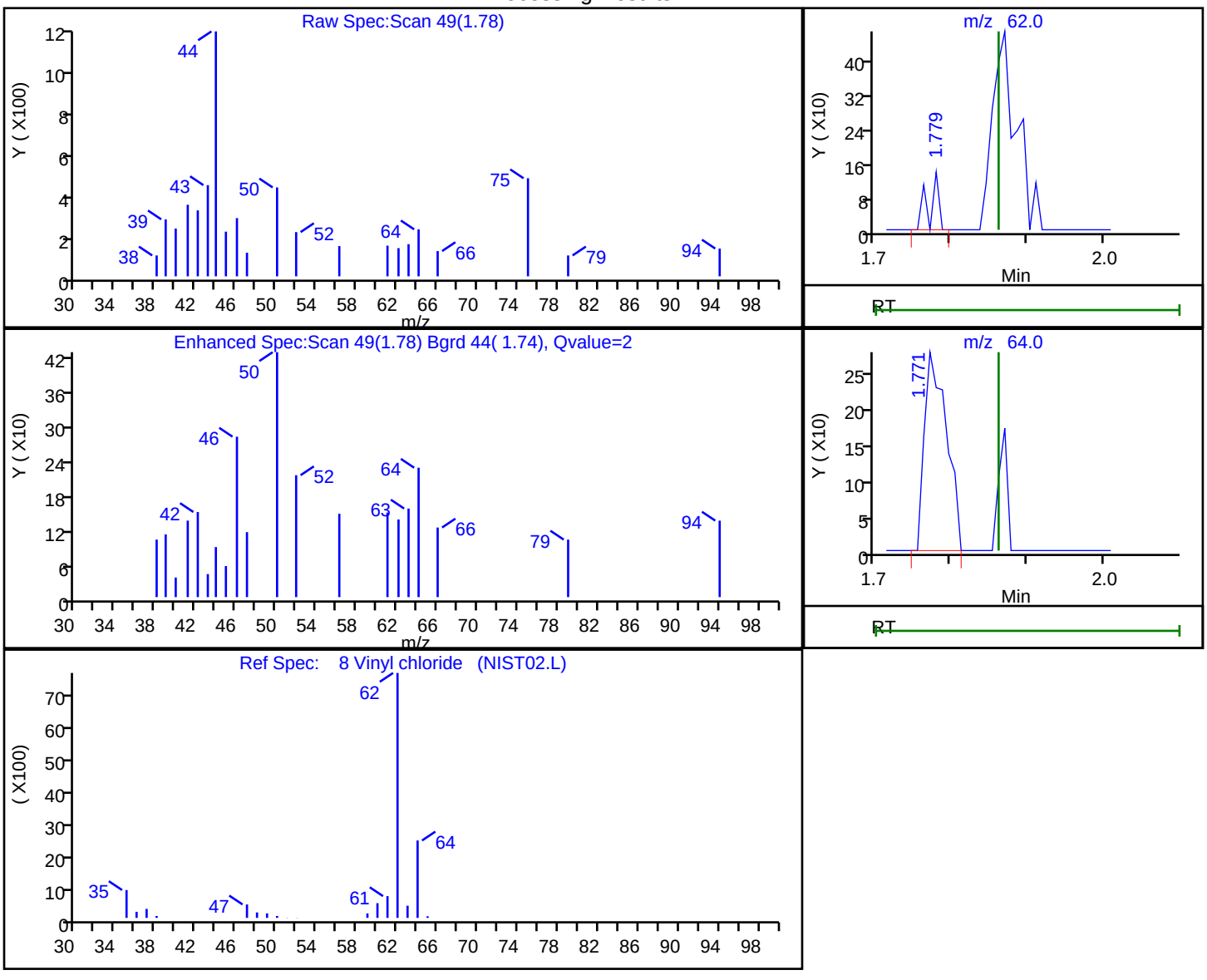
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97862.D
Injection Date: 01-Jul-2020 16:17:30 Instrument ID: CVOAMS6
Lims ID: STD7
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

8 Vinyl chloride, CAS: 75-01-4

Processing Results



RT	Mass	Response	Amount
1.78	62.00	118	0.029138
1.77	64.00	552	

Reviewer: kluseys, 02-Jul-2020 19:30:50
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97863.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 01-Jul-2020 16:41:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD1
Misc. Info.: 460-0112547-005
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jul-2020 19:35:33 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: kluseys Date: 02-Jul-2020 11:48:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
3 Chlorotrifluoroethene	116	1.566	1.574	-0.008	58	1187	1.00	1.05	
2 1,1-Difluoroethane	51	1.574	1.582	-0.008	69	2503	1.00	0.9271	
4 Dichlorodifluoromethane	85	1.599	1.607	-0.008	78	3554	1.00	1.04	
5 Chlorodifluoromethane	51	1.607	1.623	-0.016	54	3547	1.00	1.05	
6 Chloromethane	50	1.771	1.771	0.000	97	4355	1.00	1.25	
7 Butadiene	54	1.853	1.853	0.000	91	3463	1.00	1.12	
8 Vinyl chloride	62	1.862	1.862	0.000	96	3482	1.00	1.00	
9 Bromomethane	94	2.124	2.133	-0.009	90	2805	1.00	1.30	
10 Chloroethane	64	2.174	2.182	-0.008	88	2253	1.00	1.19	
11 Dichlorofluoromethane	67	2.355	2.363	-0.008	98	5484	1.00	1.16	
12 Trichlorofluoromethane	101	2.371	2.379	-0.008	84	3454	1.00	0.9640	
13 Pentane	72	2.379	2.388	-0.009	93	1084	2.00	1.88	
14 Ethanol	46	2.519	2.560	-0.041	0	382	40.0	32.2	M
15 Ethyl ether	59	2.552	2.560	-0.008	97	2189	1.00	1.09	
16 2-Methyl-1,3-butadiene	53	2.568	2.577	-0.009	92	2466	1.00	1.06	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.609	2.618	-0.009	69	1736	1.00	0.8215	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.667	2.667	0.000	81	3854	1.00	1.05	a
19 Acrolein	56	2.733	2.733	0.000	42	694	4.00	3.33	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.741	2.749	-0.008	91	2598	1.00	1.06	
21 1,1-Dichloroethene	96	2.774	2.782	-0.008	96	2662	1.00	1.06	
22 Acetone	43	2.848	2.848	0.000	89	6191	5.00	5.32	M
23 Iodomethane	142	2.930	2.930	0.000	79	4267	1.00	1.03	
24 Isopropyl alcohol	45	2.930	2.946	-0.016	23	2265	10.0	10.1	
25 Carbon disulfide	76	2.971	2.971	0.000	99	11184	1.00	1.11	
26 3-Chloro-1-propene	41	3.053	3.061	-0.008	96	4410	1.00	0.9466	
27 Methyl acetate	43	3.069	3.078	-0.009	78	5291	2.00	2.48	
28 Cyclopentene	67	3.086	3.086	0.000	92	7775	1.00	1.14	a
29 Acetonitrile	41	3.135	3.143	-0.008	36	3636	10.0	10.6	Ma
* 31 TBA-d9 (IS)	65	3.193	3.185	0.008	0	271134	1000.0	1000.0	
30 Methylene Chloride	84	3.193	3.193	0.000	31	3304	1.00	1.08	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.242	3.250	-0.008	30	3157	10.0	10.4	a
33 Methyl tert-butyl ether	73	3.341	3.349	-0.008	95	6747	1.00	1.07	
34 trans-1,2-Dichloroethene	96	3.365	3.365	0.000	91	2716	1.00	1.07	
35 Acrylonitrile	53	3.431	3.439	-0.008	91	12381	10.0	10.6	
36 Hexane	43	3.513	3.513	0.000	96	2832	1.00	1.33	
37 Isopropyl ether	45	3.719	3.727	-0.008	88	8106	1.00	1.10	
38 1,1-Dichloroethane	63	3.751	3.752	-0.001	64	4273	1.00	1.00	
39 Vinyl acetate	86	3.768	3.768	0.000	99	1296	2.00	2.31	
40 2-Chloro-1,3-butadiene	88	3.793	3.793	0.000	89	2178	1.00	0.9604	
41 Tert-butyl ethyl ether	59	4.031	4.031	0.000	89	7525	1.00	1.11	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	302039	250.0	250.0	
43 2,2-Dichloropropane	97	4.244	4.245	-0.001	47	790	1.00	1.00	
44 cis-1,2-Dichloroethene	96	4.253	4.253	0.000	97	3014	1.00	1.09	
45 Ethyl acetate	70	4.277	4.277	0.000	94	659	2.00	1.99	
46 2-Butanone (MEK)	72	4.286	4.277	0.009	97	2365	5.00	5.95	
47 Methyl acrylate	55	4.335	4.327	0.008	96	3084	1.00	1.24	
48 Propionitrile	54	4.417	4.409	0.008	92	4788	10.0	10.2	
50 Chlorobromomethane	128	4.475	4.475	0.000	86	1572	1.00	1.18	
49 Tetrahydrofuran	72	4.491	4.483	0.008	70	1048	2.00	2.41	
51 Methacrylonitrile	67	4.499	4.508	-0.009	90	13587	10.0	10.4	
52 Chloroform	83	4.524	4.524	0.000	97	4335	1.00	1.08	
53 Cyclohexane	84	4.672	4.664	0.008	31	4606	1.00	1.04	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	96	108076	50.0	50.0	
54 1,1,1-Trichloroethane	97	4.672	4.680	-0.008	36	3568	1.00	1.01	
56 Carbon tetrachloride	117	4.795	4.795	0.000	97	2882	1.00	1.01	
57 1,1-Dichloropropene	75	4.811	4.820	-0.009	97	3870	1.00	1.12	
58 Isobutyl alcohol	43	4.959	4.935	0.024	1	1913	25.0	20.0	
59 Benzene	78	5.017	5.017	0.000	98	11428	1.00	1.10	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	133785	50.0	50.1	
61 Isopropyl acetate	43	5.074	5.066	0.008	90	8368	1.00	1.19	
62 Tert-amyl methyl ether	73	5.083	5.074	0.009	75	7450	1.00	1.03	
63 1,2-Dichloroethane	62	5.107	5.099	0.008	93	3703	1.00	1.16	
64 n-Heptane	57	5.165	5.165	0.000	85	2337	1.00	1.14	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	487707	50.0	50.0	
66 n-Butanol	56	5.592	5.592	0.000	44	1702	25.0	21.6	
67 Trichloroethene	95	5.650	5.641	0.009	95	2754	1.00	1.08	
68 Ethyl acrylate	55	5.765	5.765	0.000	92	6031	1.00	0.9040	
69 Methylcyclohexane	83	5.773	5.773	0.000	84	4899	1.00	1.01	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	83	2655	1.00	1.01	
* 71 1,4-Dioxane-d8	96	5.978	5.995	-0.017	0	23132	1000.0	1000.0	
72 Methyl methacrylate	100	6.011	6.011	0.000	79	1594	2.00	2.00	
73 1,4-Dioxane	88	6.044	6.044	0.000	26	1330	50.0	52.2	
74 n-Propyl acetate	43	6.060	6.060	0.000	96	4016	1.00	1.09	
75 Dibromomethane	93	6.060	6.060	0.000	61	1850	1.00	1.16	
76 Dichlorobromomethane	83	6.200	6.200	0.000	96	3228	1.00	1.03	
77 2-Nitropropane	41	6.537	6.537	0.000	85	1620	2.00	2.62	
78 2-Chloroethyl vinyl ether	63	6.529	6.545	-0.016	79	1517	1.00	1.00	
79 Epichlorohydrin	57	6.652	6.644	0.008	98	6030	20.0	20.7	
80 cis-1,3-Dichloropropene	75	6.701	6.701	0.000	91	4657	1.00	1.14	
81 4-Methyl-2-pentanone (MIBK)	43	6.874	6.866	0.008	94	13490	5.00	4.96	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	99	466653	50.0	50.6	
83 Toluene	91	7.030	7.022	0.008	93	12124	1.00	1.10	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	94	3332	1.00	0.9593	
85 Ethyl methacrylate	69	7.408	7.408	0.000	82	3353	1.00	0.9591	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	92	1857	1.00	0.9802	
87 Tetrachloroethene	166	7.630	7.630	0.000	90	2230	1.00	1.04	
88 1,3-Dichloropropane	76	7.794	7.794	0.000	87	4415	1.00	1.11	
89 2-Hexanone	43	7.860	7.860	0.000	94	8572	5.00	4.87	
90 n-Butyl acetate	43	7.975	7.975	0.000	97	4057	1.00	1.05	
91 Chlorodibromomethane	129	8.024	8.016	0.008	94	2111	1.00	1.00	
92 Ethylene Dibromide	107	8.180	8.172	0.008	97	2053	1.00	0.9580	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	86	334448	50.0	50.0	
94 Chlorobenzene	112	8.756	8.756	0.000	94	6669	1.00	0.99	
95 Ethylbenzene	106	8.871	8.871	0.000	97	4377	1.00	1.13	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	39	2146	1.00	0.9768	
97 m-Xylene & p-Xylene	106	9.018	9.027	-0.009	0	4582	1.00	0.9897	
98 n-Butyl acrylate	73	9.479	9.479	0.000	98	2063	1.00	0.9616	
99 o-Xylene	106	9.487	9.487	0.000	94	4709	1.00	0.99	
100 Styrene	104	9.511	9.512	-0.001	95	7539	1.00	0.9881	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	93	4539	1.00	0.9231	
102 Bromoform	173	9.717	9.717	0.000	60	1456	1.00	1.08	
103 Isopropylbenzene	105	9.840	9.840	0.000	95	12008	1.00	0.99	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	87	126800	50.0	52.0	
105 Bromobenzene	156	10.136	10.136	0.000	93	2794	1.00	1.01	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	97	3465	1.00	1.00	
107 N-Propylbenzene	91	10.202	10.202	0.000	98	15645	1.00	0.9692	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	96	1124	1.00	1.10	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	70	966	1.00	1.12	
110 2-Chlorotoluene	91	10.292	10.292	0.000	96	10468	1.00	0.9736	
111 4-Ethyltoluene	105	10.300	10.300	0.000	99	12522	1.00	0.9780	
112 1,3,5-Trimethylbenzene	105	10.358	10.358	0.000	91	9748	1.00	0.8856	
113 4-Chlorotoluene	91	10.382	10.383	-0.001	97	9795	1.00	1.03	
114 Butyl Methacrylate	87	10.432	10.440	-0.008	87	3387	1.00	0.8432	
115 tert-Butylbenzene	119	10.588	10.588	0.000	92	7561	1.00	0.8715	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	97	10635	1.00	0.9281	
117 sec-Butylbenzene	105	10.752	10.752	0.000	99	12810	1.00	0.9033	
119 1,3-Dichlorobenzene	146	10.859	10.851	0.008	75	6071	1.00	1.09	
118 4-Isopropyltoluene	119	10.859	10.859	0.000	97	10595	1.00	0.9014	
* 120 1,4-Dichlorobenzene-d4	152	10.908	10.908	0.000	96	184838	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	90	6147	1.00	1.08	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	97	11238	1.00	0.9436	
123 Benzyl chloride	91	11.032	11.024	0.008	99	5633	1.00	0.8966	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	93	11606	1.00	0.99	
125 p-Diethylbenzene	119	11.114	11.114	0.000	91	6120	1.00	0.9451	
126 n-Butylbenzene	92	11.130	11.130	0.000	93	6240	1.00	0.9390	
127 1,2-Dichlorobenzene	146	11.180	11.171	0.009	94	5864	1.00	1.00	
128 1,2,4,5-Tetramethylbenzene	119	11.607	11.590	0.017	96	10816	1.00	0.9169	
129 1,2-Dibromo-3-Chloropropane	157	11.681	11.664	0.017	81	940	1.00	1.19	
130 1,3,5-Trichlorobenzene	180	11.763	11.747	0.016	94	5161	1.00	1.15	
131 1,2,4-Trichlorobenzene	180	12.166	12.141	0.025	93	4715	1.00	1.10	
132 Hexachlorobutadiene	225	12.231	12.207	0.024	90	1614	1.00	1.03	
133 Naphthalene	128	12.330	12.314	0.016	99	13004	1.00	1.00	
134 1,2,3-Trichlorobenzene	180	12.494	12.470	0.024	92	4212	1.00	1.05	
S 135 1,2-Dichloroethene, Total	100				0		2.00	2.15	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 Xylenes, Total	100				0		2.00	1.98	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	10.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	10.00	Units: uL	
14DIOXINTER_00116	Amount Added:	30.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 02-Jul-2020 19:35:37 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97863.D

Injection Date: 01-Jul-2020 16:41:30 Instrument ID: CVOAMS6 Operator ID:

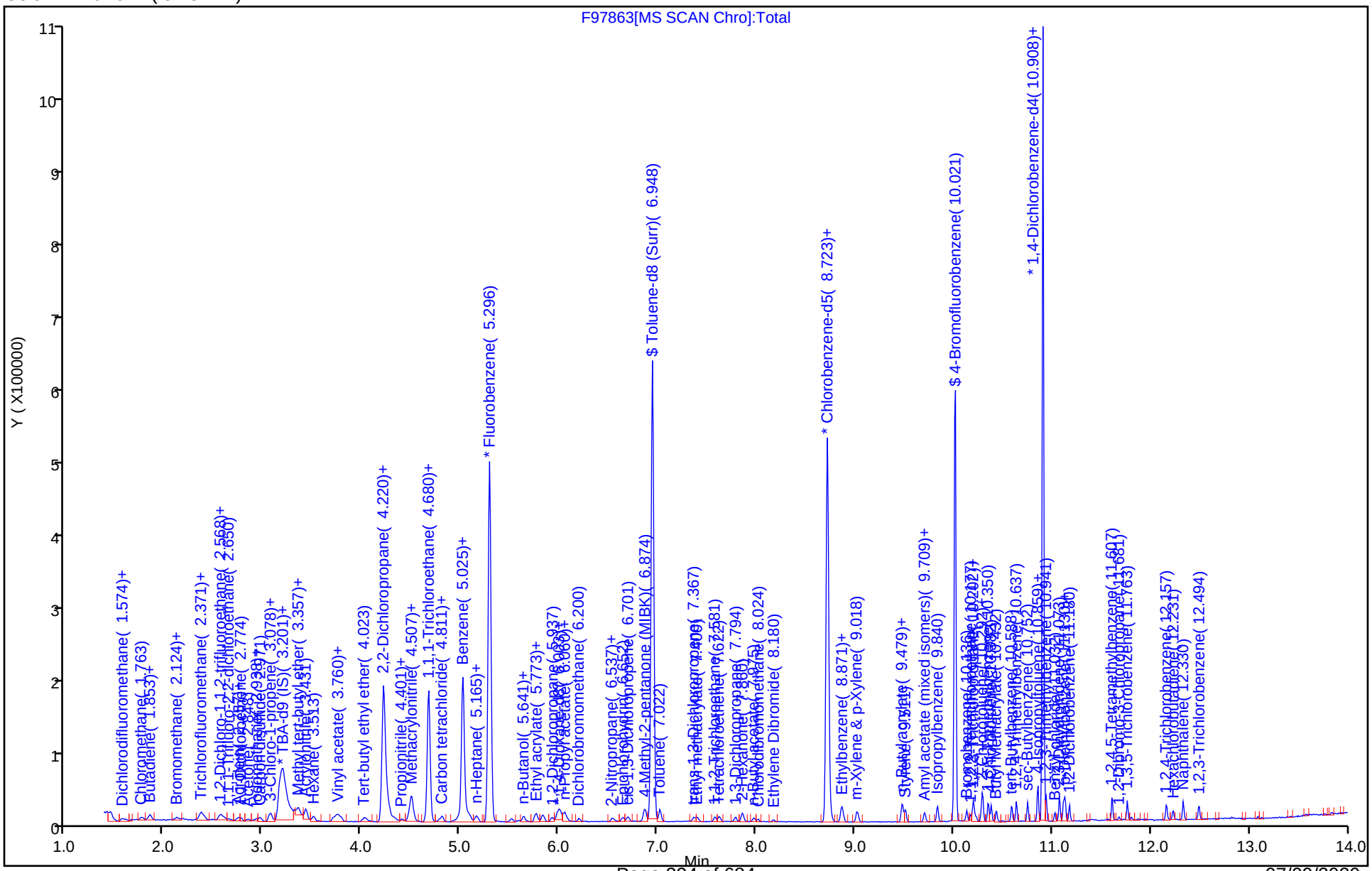
Lims ID: STD1 Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

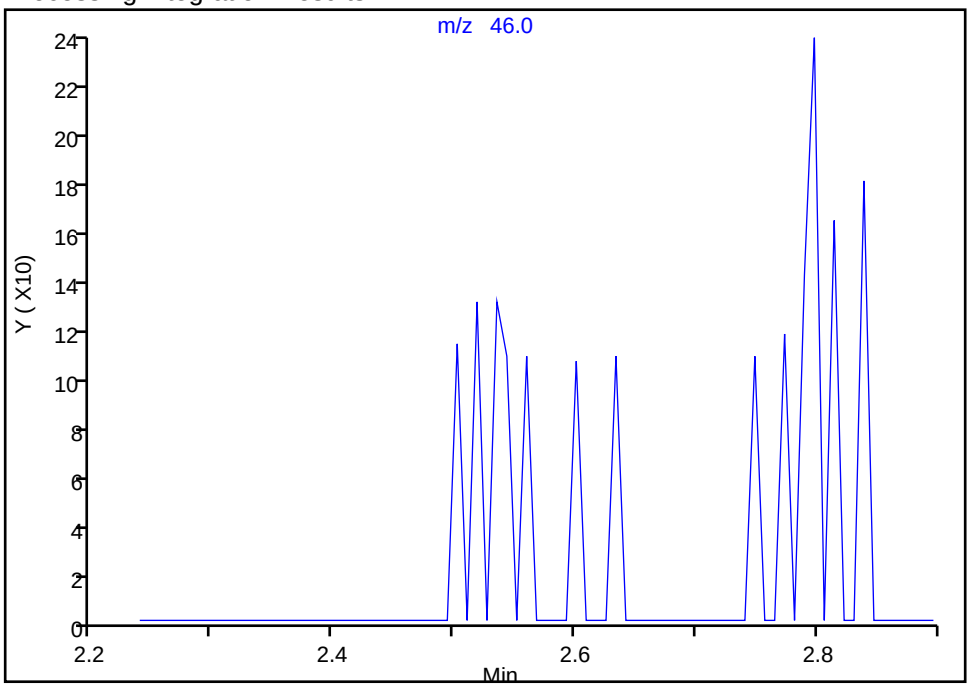
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Injection Date: 01-Jul-2020 16:41:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

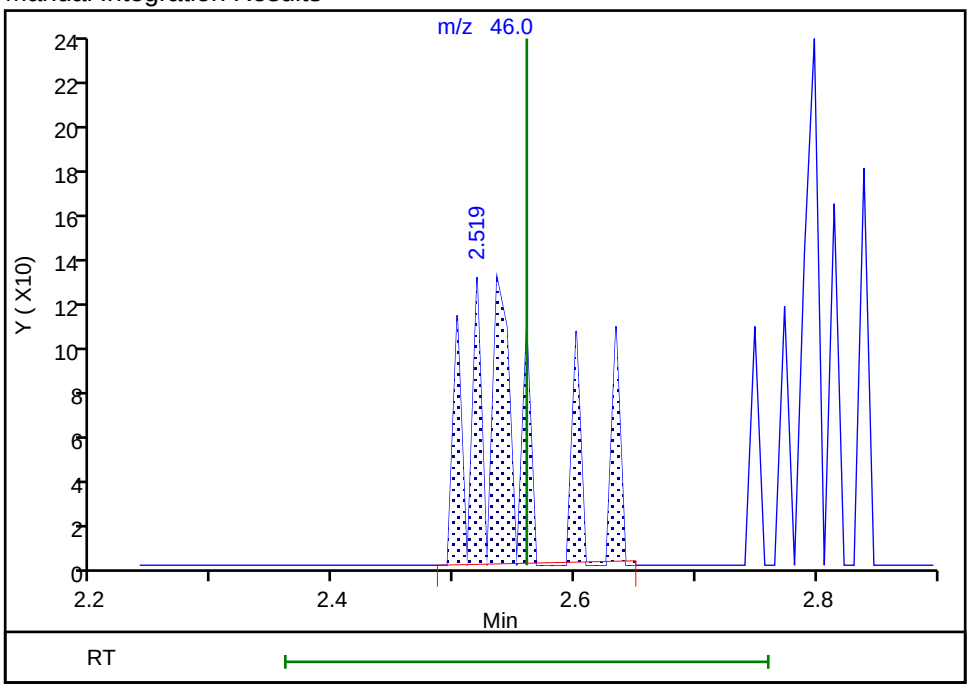
Not Detected
Expected RT: 2.56

Processing Integration Results



Manual Integration Results

RT: 2.52
Area: 382
Amount: 32.182398
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 11:47:48
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

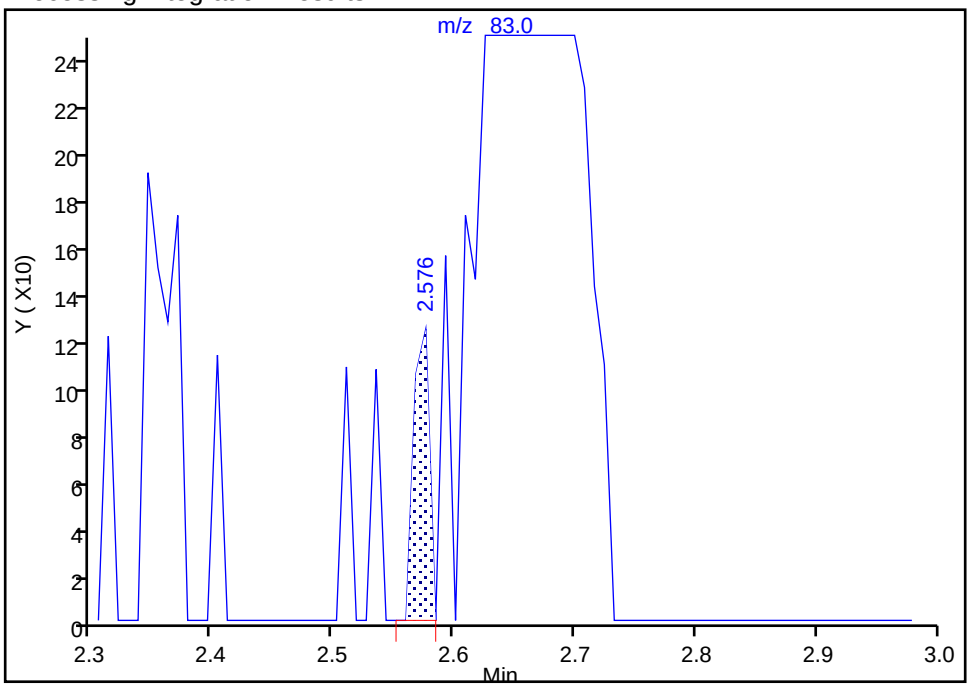
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Injection Date: 01-Jul-2020 16:41:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

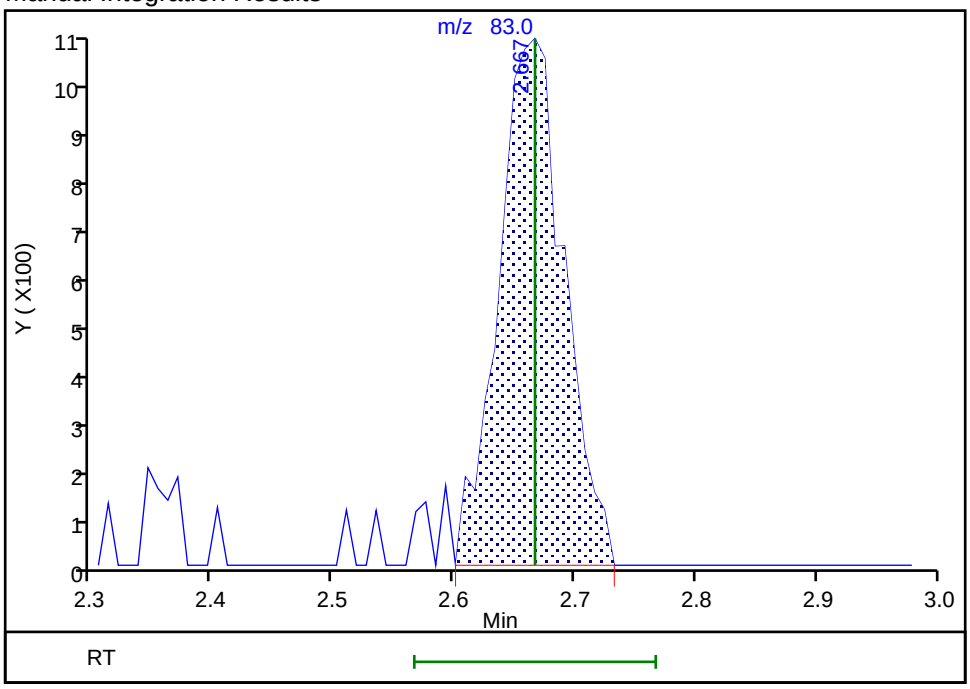
Processing Integration Results

RT: 2.58
Area: 112
Amount: 0.030315
Amount Units: ug/l



Manual Integration Results

RT: 2.67
Area: 3854
Amount: 1.052920
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 11:13:45
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

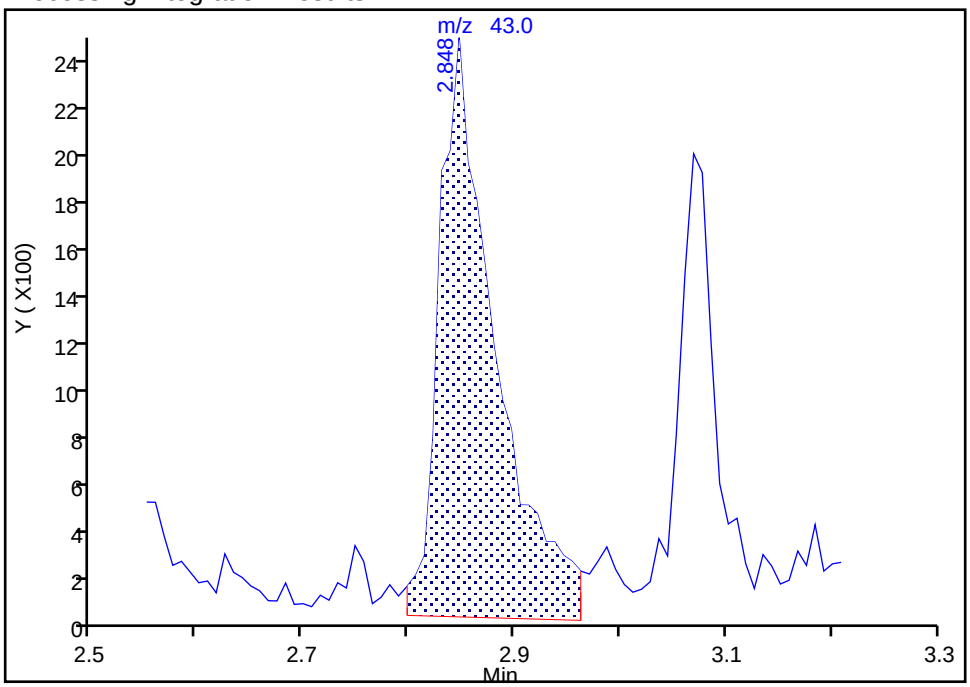
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Injection Date: 01-Jul-2020 16:41:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

Signal: 1

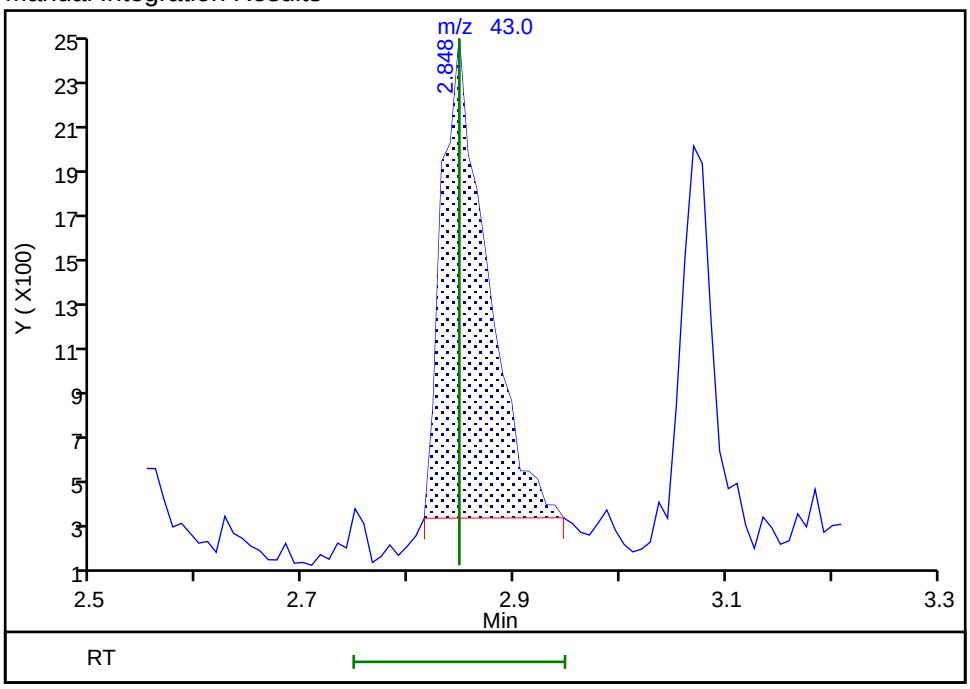
Processing Integration Results

RT: 2.85
Area: 8638
Amount: 7.423485
Amount Units: ug/l



Manual Integration Results

RT: 2.85
Area: 6191
Amount: 5.319097
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 12:44:25
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

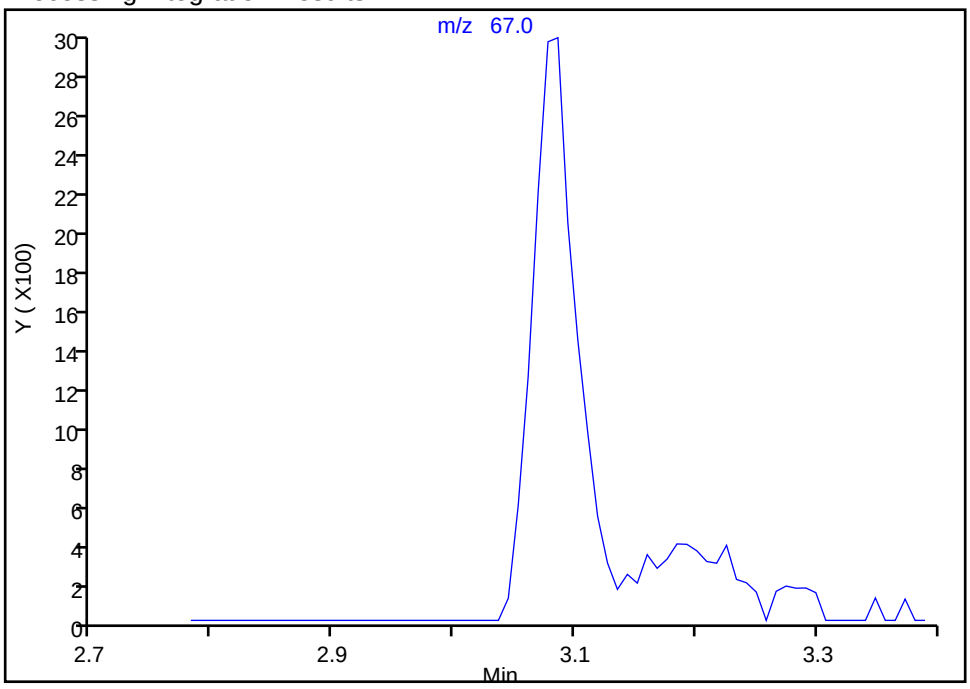
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Injection Date: 01-Jul-2020 16:41:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

28 Cyclopentene, CAS: 142-29-0

Signal: 1

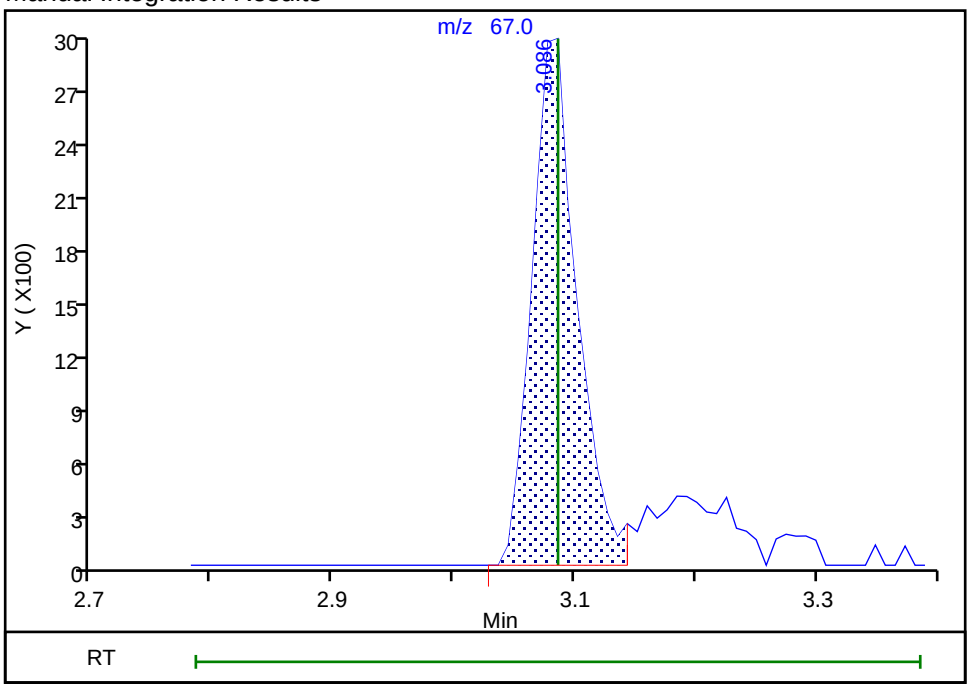
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 7775
Amount: 1.136446
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 11:12:54
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

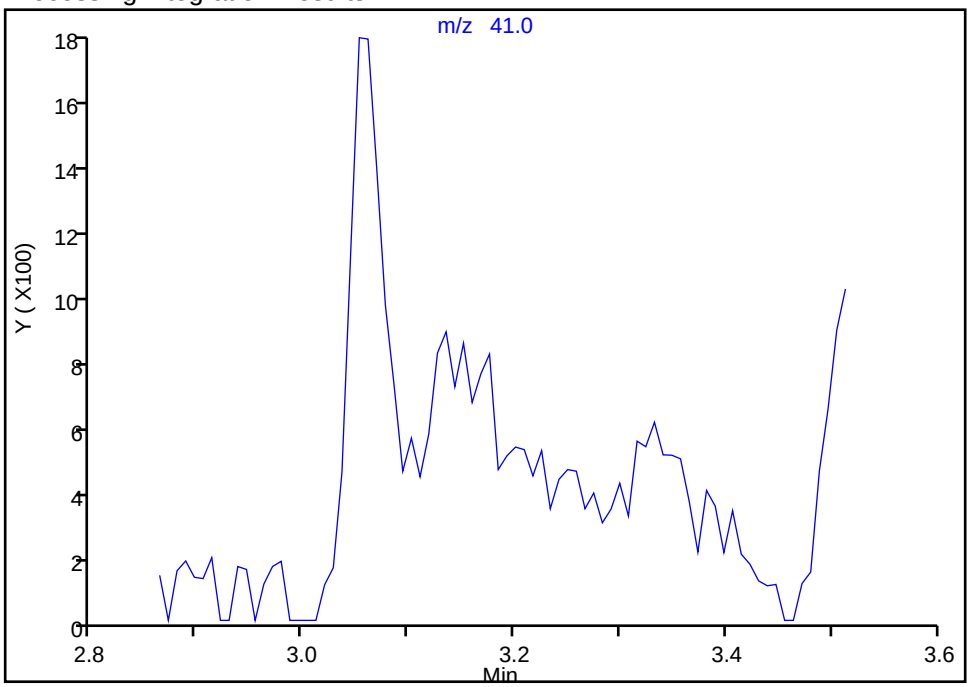
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Injection Date: 01-Jul-2020 16:41:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

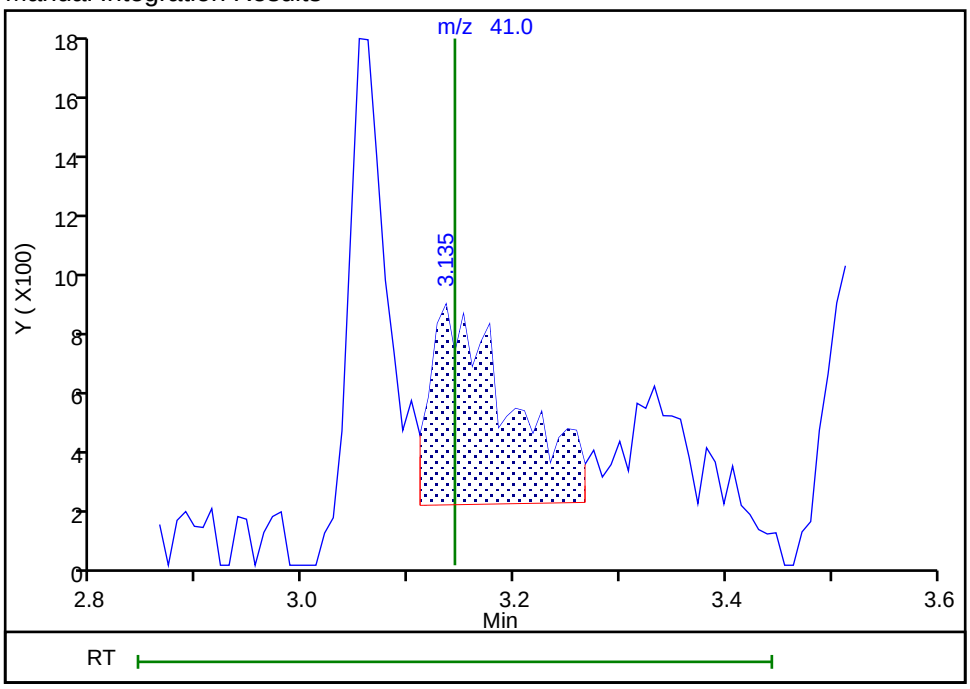
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 3636
Amount: 10.635264
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 11:53:28
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

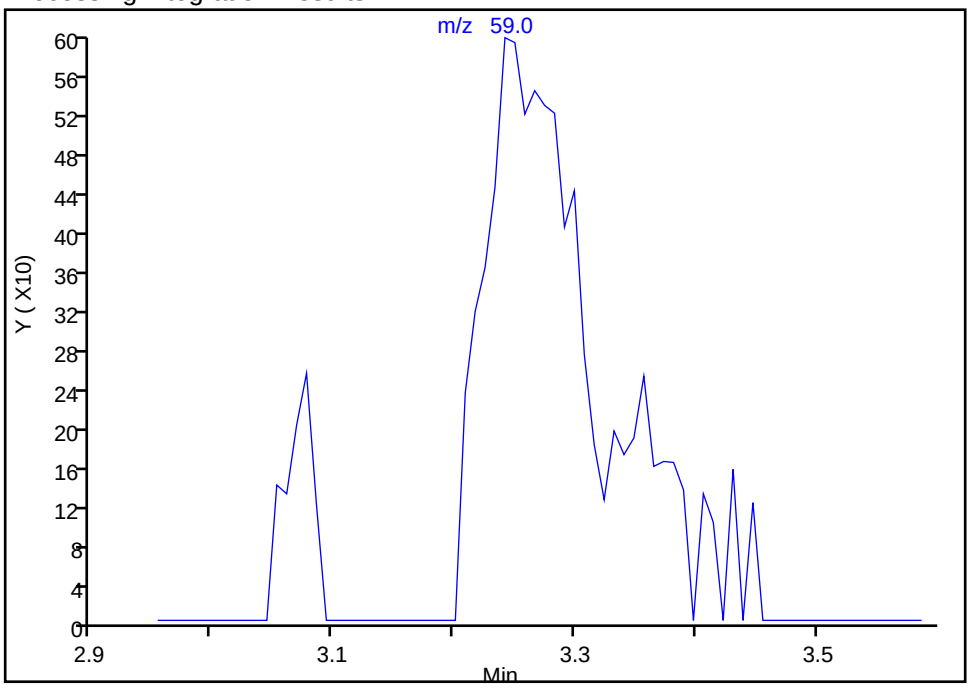
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Injection Date: 01-Jul-2020 16:41:30 Instrument ID: CVOAMS6
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

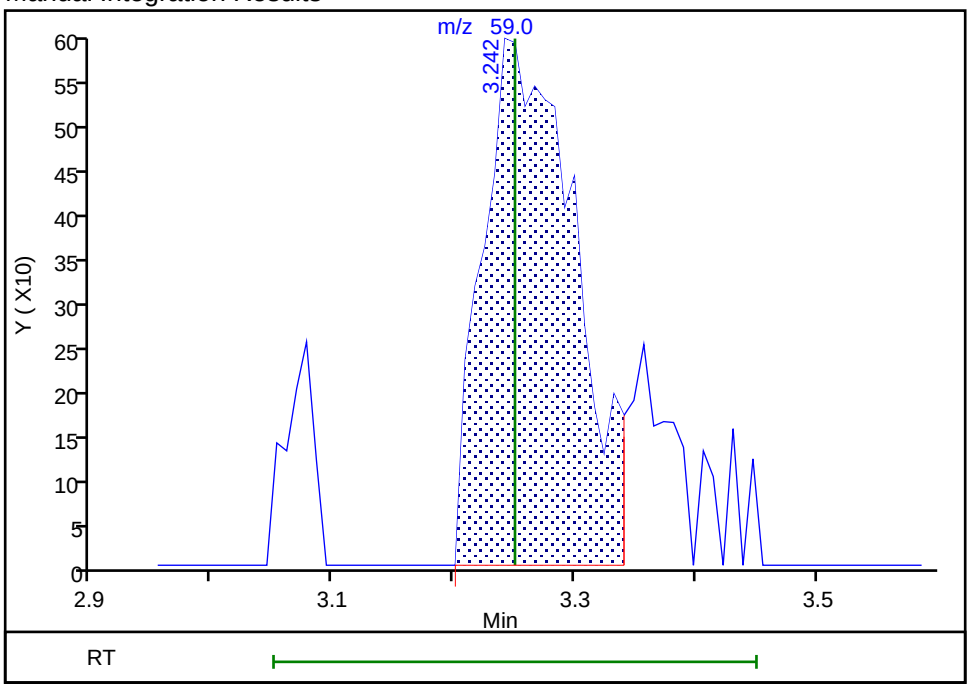
Not Detected
Expected RT: 3.25

Processing Integration Results



Manual Integration Results

RT: 3.24
Area: 3157
Amount: 10.363532
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 15:25:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97864.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 01-Jul-2020 17:06:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD5
Misc. Info.: 460-0112547-006
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jul-2020 19:35:47 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: kluseys Date: 01-Jul-2020 19:16:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.476	1.475	0.001	52	1198	5.00	4.00	
3 Chlorotrifluoroethene	116	1.574	1.574	0.000	61	5383	5.00	4.40	
2 1,1-Difluoroethane	51	1.566	1.582	-0.016	97	14299	5.00	4.88	
4 Dichlorodifluoromethane	85	1.599	1.607	-0.008	65	16484	5.00	4.44	
5 Chlorodifluoromethane	51	1.607	1.623	-0.016	97	18083	5.00	4.96	
6 Chloromethane	50	1.771	1.771	0.000	99	18709	5.00	4.94	
7 Butadiene	54	1.854	1.853	0.001	94	16393	5.00	4.90	
8 Vinyl chloride	62	1.854	1.862	-0.008	98	17960	5.00	4.77	
9 Bromomethane	94	2.125	2.133	-0.008	98	12175	5.00	5.20	
10 Chloroethane	64	2.174	2.182	-0.008	98	10572	5.00	5.14	
11 Dichlorofluoromethane	67	2.355	2.363	-0.008	99	23676	5.00	4.62	
12 Trichlorofluoromethane	101	2.371	2.379	-0.008	97	18944	5.00	4.87	
13 Pentane	72	2.379	2.388	-0.009	97	5490	10.0	10.3	
14 Ethanol	46	2.552	2.560	-0.008	65	2036	200.0	185.5	M
15 Ethyl ether	59	2.552	2.560	-0.008	93	10119	5.00	4.64	
16 2-Methyl-1,3-butadiene	53	2.577	2.577	0.000	94	11634	5.00	4.63	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.610	2.618	-0.008	88	11227	5.00	4.90	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.659	2.667	-0.008	90	18657	5.00	4.70	a
19 Acrolein	56	2.725	2.733	-0.008	79	3743	20.0	19.4	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.741	2.749	-0.008	89	12542	5.00	4.70	
21 1,1-Dichloroethene	96	2.774	2.782	-0.008	98	12644	5.00	4.63	
22 Acetone	43	2.840	2.848	-0.008	87	18967	25.0	15.1	
23 Iodomethane	142	2.922	2.930	-0.008	97	21173	5.00	4.73	
24 Isopropyl alcohol	45	2.955	2.946	0.009	29	5834	50.0	48.5	M
25 Carbon disulfide	76	2.971	2.971	0.000	99	51377	5.00	4.71	
26 3-Chloro-1-propene	41	3.053	3.061	-0.008	97	23562	5.00	4.66	
27 Methyl acetate	43	3.070	3.078	-0.008	97	21861	10.0	9.45	
28 Cyclopentene	67	3.078	3.086	-0.008	93	33906	5.00	4.57	
29 Acetonitrile	41	3.152	3.143	0.009	19	13257	50.0	41.9	Ma
* 31 TBA-d9 (IS)	65	3.193	3.185	0.008	0	250712	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.193	3.193	0.000	43	16788	5.00	5.06	
32 2-Methyl-2-propanol	59	3.250	3.250	0.000	95	15168	50.0	53.8	a
33 Methyl tert-butyl ether	73	3.341	3.349	-0.008	97	33854	5.00	4.96	
34 trans-1,2-Dichloroethene	96	3.357	3.365	-0.008	95	12912	5.00	4.67	
35 Acrylonitrile	53	3.431	3.439	-0.008	95	63994	50.0	50.5	
36 Hexane	43	3.513	3.513	0.000	88	11260	5.00	4.88	
37 Isopropyl ether	45	3.719	3.727	-0.008	95	39388	5.00	4.93	
38 1,1-Dichloroethane	63	3.743	3.752	-0.009	99	22026	5.00	4.74	
39 Vinyl acetate	86	3.760	3.768	-0.008	99	5810	10.0	9.54	
40 2-Chloro-1,3-butadiene	88	3.785	3.793	-0.008	88	11304	5.00	4.60	
41 Tert-butyl ethyl ether	59	4.023	4.031	-0.008	89	35268	5.00	4.81	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	327013	250.0	250.0	
43 2,2-Dichloropropane	97	4.236	4.245	-0.009	49	4344	5.00	5.07	
44 cis-1,2-Dichloroethene	96	4.253	4.253	0.000	97	14376	5.00	4.78	
45 Ethyl acetate	70	4.269	4.277	-0.008	93	3667	10.0	10.2	
46 2-Butanone (MEK)	72	4.278	4.277	0.001	96	10400	25.0	24.1	
47 Methyl acrylate	55	4.327	4.327	0.000	98	13104	5.00	4.88	
48 Propionitrile	54	4.401	4.409	-0.008	99	20477	50.0	47.2	
50 Chlorobromomethane	128	4.475	4.475	0.000	90	6897	5.00	4.78	
49 Tetrahydrofuran	72	4.475	4.483	-0.008	71	4611	10.0	9.81	
51 Methacrylonitrile	67	4.499	4.508	-0.009	89	69575	50.0	49.1	
52 Chloroform	83	4.524	4.524	0.000	98	21186	5.00	4.88	
53 Cyclohexane	84	4.656	4.664	-0.008	87	22450	5.00	4.67	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	96	117110	50.0	50.0	
54 1,1,1-Trichloroethane	97	4.672	4.680	-0.008	73	18220	5.00	4.76	
56 Carbon tetrachloride	117	4.787	4.795	-0.008	97	14031	5.00	4.55	
57 1,1-Dichloropropene	75	4.812	4.820	-0.008	98	17590	5.00	4.70	
58 Isobutyl alcohol	43	4.935	4.935	0.000	93	10207	125.0	115.4	
59 Benzene	78	5.017	5.017	0.000	95	55733	5.00	4.95	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	142264	50.0	49.1	
61 Isopropyl acetate	43	5.075	5.066	0.009	91	36044	5.00	4.71	
62 Tert-amyl methyl ether	73	5.066	5.074	-0.008	81	38806	5.00	4.96	
63 1,2-Dichloroethane	62	5.099	5.099	0.000	96	16747	5.00	4.83	
64 n-Heptane	57	5.165	5.165	0.000	88	10927	5.00	4.92	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	528955	50.0	50.0	
66 n-Butanol	56	5.592	5.592	0.000	86	8638	125.0	118.3	
67 Trichloroethene	95	5.642	5.641	0.001	96	13289	5.00	4.80	
68 Ethyl acrylate	55	5.765	5.765	0.000	95	31853	5.00	4.40	
69 Methylcyclohexane	83	5.765	5.773	-0.008	82	23967	5.00	4.54	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	94	13473	5.00	4.74	
* 71 1,4-Dioxane-d8	96	5.987	5.995	-0.008	0	20252	1000.0	1000.0	
72 Methyl methacrylate	100	6.003	6.011	-0.008	83	7915	10.0	9.15	
73 1,4-Dioxane	88	6.052	6.044	0.008	26	2638	100.0	118.3	
74 n-Propyl acetate	43	6.061	6.060	0.001	97	19169	5.00	4.79	
75 Dibromomethane	93	6.052	6.060	-0.008	68	8099	5.00	4.66	
76 Dichlorobromomethane	83	6.200	6.200	0.000	99	15518	5.00	4.56	
77 2-Nitropropane	41	6.537	6.537	0.000	80	5970	10.0	8.92	
78 2-Chloroethyl vinyl ether	63	6.545	6.545	0.000	79	7386	5.01	4.49	
79 Epichlorohydrin	57	6.644	6.644	0.000	99	29563	100.0	93.6	
80 cis-1,3-Dichloropropene	75	6.702	6.701	0.001	90	20454	5.00	4.63	
81 4-Methyl-2-pentanone (MIBK)	43	6.866	6.866	0.000	95	69901	25.0	23.7	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	100	504464	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	7.022	7.022	0.000	93	57214	5.00	4.82	
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	95	17226	5.00	4.60	
85 Ethyl methacrylate	69	7.408	7.408	0.000	87	17366	5.00	4.60	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	97	10288	5.00	5.03	
87 Tetrachloroethene	166	7.630	7.630	0.000	93	11610	5.00	5.01	
88 1,3-Dichloropropane	76	7.794	7.794	0.000	91	20216	5.00	4.73	
89 2-Hexanone	43	7.860	7.860	0.000	94	43020	25.0	22.6	
90 n-Butyl acetate	43	7.975	7.975	0.000	97	20272	5.00	4.86	
91 Chlorodibromomethane	129	8.016	8.016	0.000	97	10931	5.00	4.79	
92 Ethylene Dibromide	107	8.172	8.172	0.000	98	11282	5.00	4.88	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	86	360836	50.0	50.0	
94 Chlorobenzene	112	8.756	8.756	0.000	94	34793	5.00	4.81	
95 Ethylbenzene	106	8.863	8.871	-0.008	98	19876	5.00	4.76	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	94	11224	5.00	4.74	
97 m-Xylene & p-Xylene	106	9.027	9.027	0.000	0	23576	5.00	4.72	
98 n-Butyl acrylate	73	9.479	9.479	0.000	99	10547	5.00	4.56	
99 o-Xylene	106	9.487	9.487	0.000	94	24580	5.00	4.79	
100 Styrene	104	9.512	9.512	0.000	96	38573	5.00	4.69	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	93	24094	5.00	4.57	
102 Bromoform	173	9.717	9.717	0.000	95	6808	5.00	4.68	
103 Isopropylbenzene	105	9.840	9.840	0.000	96	60331	5.00	4.62	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	87	133223	50.0	50.6	
105 Bromobenzene	156	10.136	10.136	0.000	99	14058	5.00	4.73	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	99	17676	5.00	4.74	
107 N-Propylbenzene	91	10.202	10.202	0.000	99	78830	5.00	4.56	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	98	5388	5.00	4.93	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	76	4153	5.00	4.48	
110 2-Chlorotoluene	91	10.292	10.292	0.000	96	52807	5.00	4.59	
111 4-Ethyltoluene	105	10.301	10.300	0.001	97	61919	5.00	4.51	
112 1,3,5-Trimethylbenzene	105	10.358	10.358	0.000	93	53141	5.00	4.51	
113 4-Chlorotoluene	91	10.383	10.383	0.000	97	46260	5.00	4.55	
114 Butyl Methacrylate	87	10.440	10.440	0.000	87	18706	5.00	4.35	
115 tert-Butylbenzene	119	10.588	10.588	0.000	94	39772	5.00	4.28	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	98	55383	5.00	4.51	
117 sec-Butylbenzene	105	10.753	10.752	0.000	99	66884	5.00	4.40	
119 1,3-Dichlorobenzene	146	10.859	10.851	0.008	73	29359	5.00	4.91	
118 4-Isopropyltoluene	119	10.859	10.859	0.000	97	55011	5.00	4.37	
* 120 1,4-Dichlorobenzene-d4	152	10.909	10.908	0.001	96	197993	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	93	30015	5.00	4.90	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	97	56908	5.00	4.46	
123 Benzyl chloride	91	11.024	11.024	0.000	98	29026	5.00	4.31	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	94	58860	5.00	4.69	
125 p-Diethylbenzene	119	11.114	11.114	0.000	91	32454	5.00	4.68	
126 n-Butylbenzene	92	11.130	11.130	0.000	98	32482	5.00	4.56	
127 1,2-Dichlorobenzene	146	11.180	11.171	0.009	95	31039	5.00	4.96	
128 1,2,4,5-Tetramethylbenzene	119	11.607	11.590	0.017	97	57573	5.00	4.56	
129 1,2-Dibromo-3-Chloropropane	157	11.681	11.664	0.017	95	4061	5.00	4.79	
130 1,3,5-Trichlorobenzene	180	11.763	11.747	0.016	96	22864	5.00	4.75	
131 1,2,4-Trichlorobenzene	180	12.158	12.141	0.017	93	22125	5.00	4.82	
132 Hexachlorobutadiene	225	12.223	12.207	0.016	93	8052	5.00	4.81	
133 Naphthalene	128	12.330	12.314	0.016	99	66190	5.00	4.76	
134 1,2,3-Trichlorobenzene	180	12.486	12.470	0.016	94	20871	5.00	4.86	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,2-Dichloroethene, Total	100				0		10.0	9.45	
S 136 Xylenes, Total	100				0		10.0	9.51	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	10.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	10.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	10.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 02-Jul-2020 19:35:51 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

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Injection Date: 01-Jul-2020 17:06:30 Instrument ID: CVOAMS6 Operator ID:

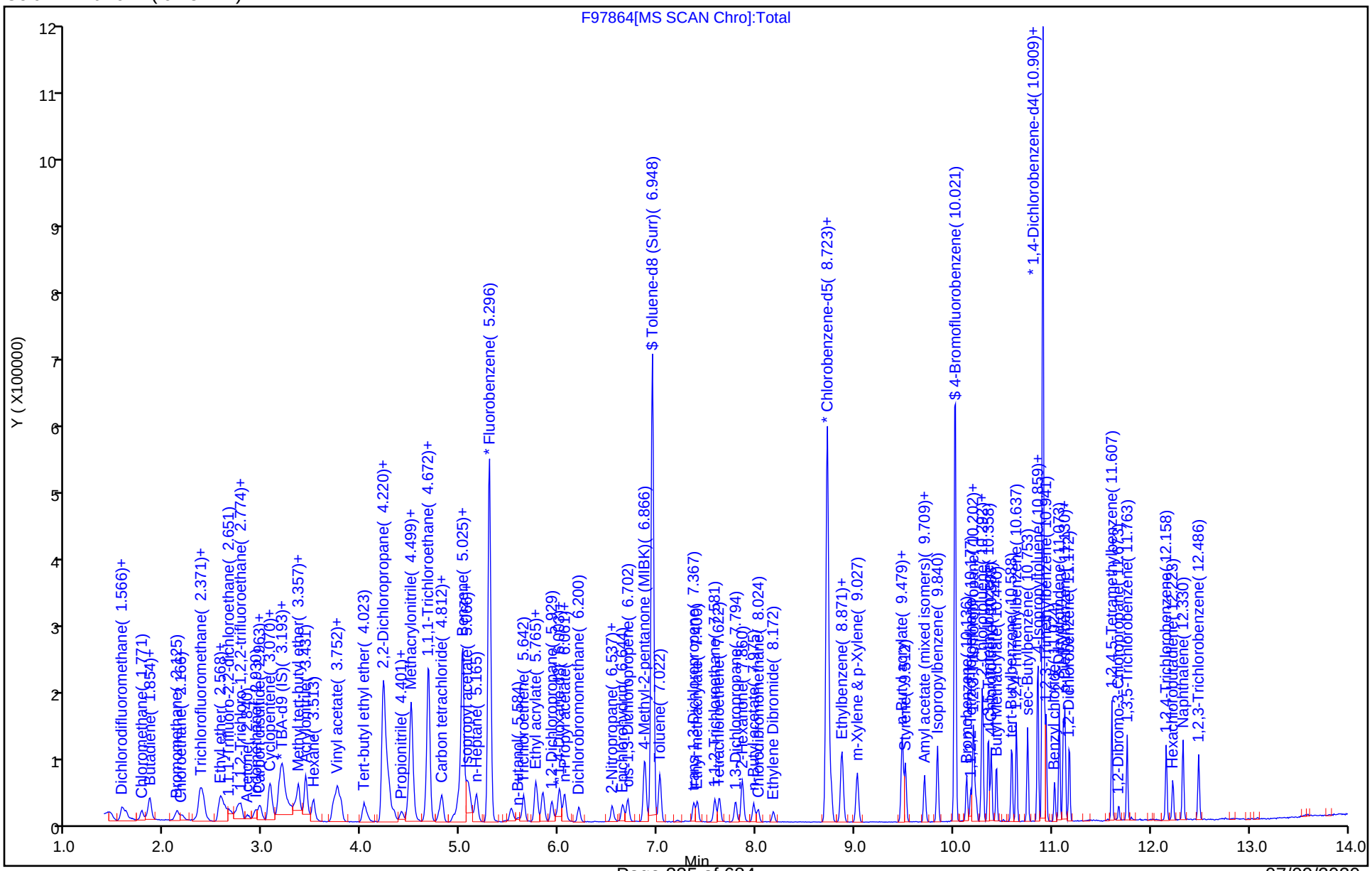
Lims ID: STD5 Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

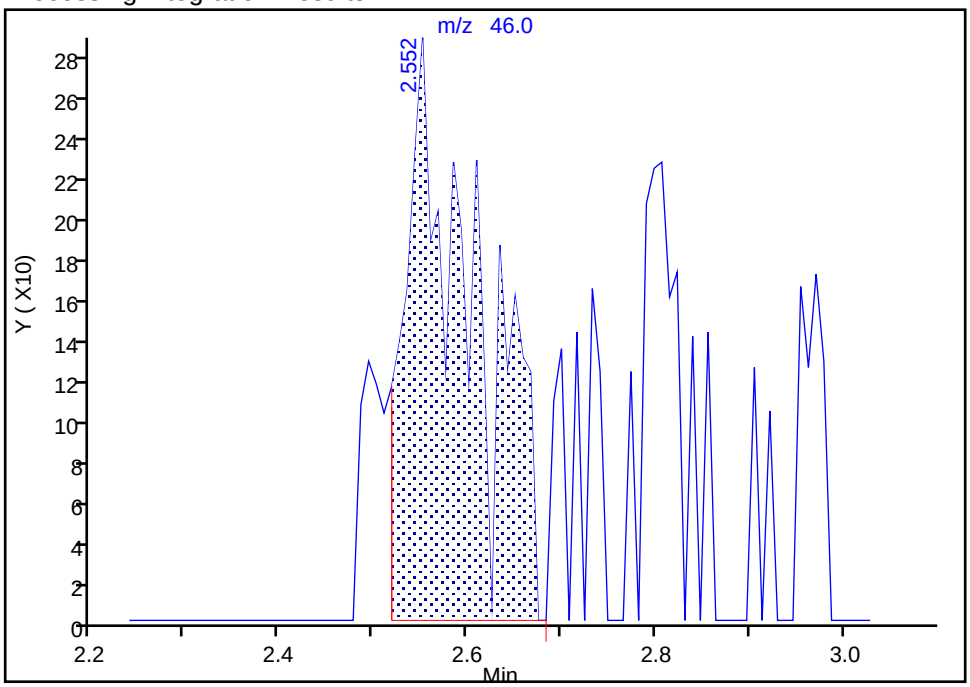
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Injection Date: 01-Jul-2020 17:06:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

14 Ethanol, CAS: 64-17-5

Signal: 1

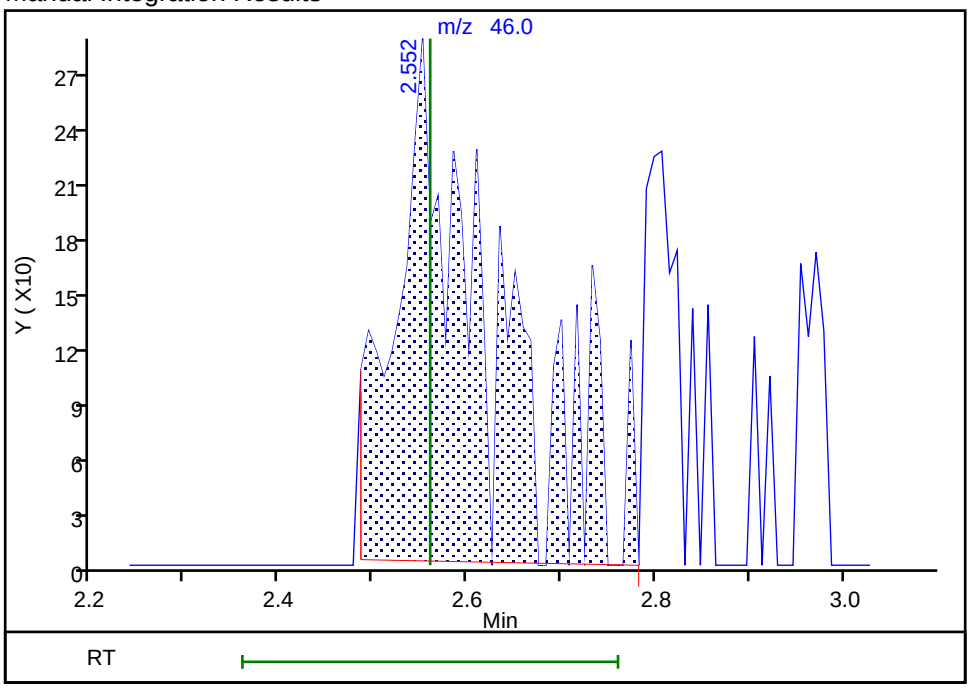
Processing Integration Results

RT: 2.55
Area: 1463
Amount: 132.6978
Amount Units: ug/l



Manual Integration Results

RT: 2.55
Area: 2036
Amount: 185.4990
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 11:50:25
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

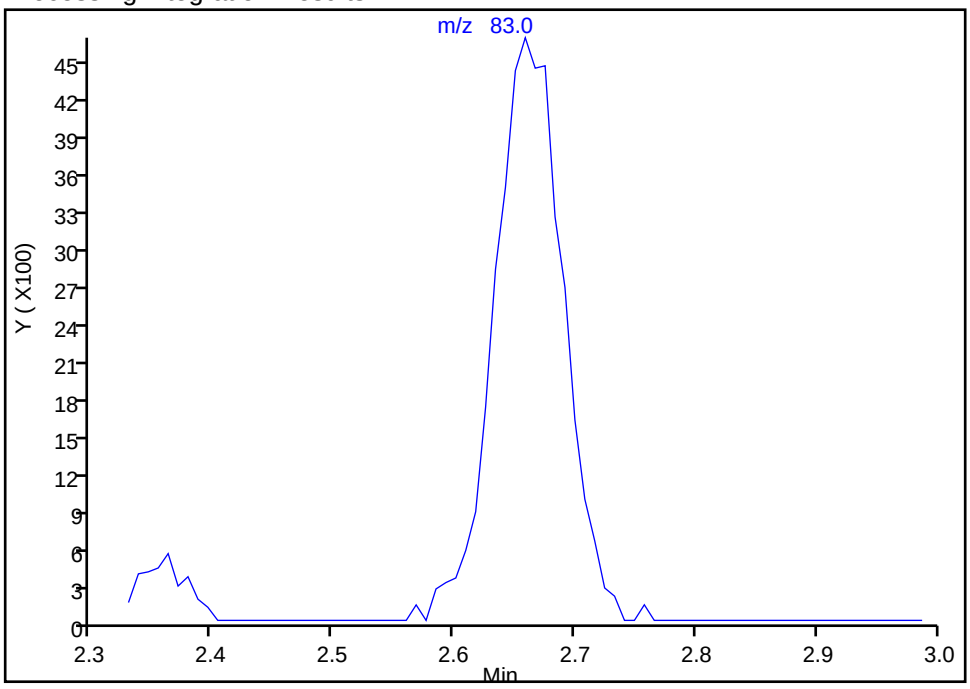
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Injection Date: 01-Jul-2020 17:06:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

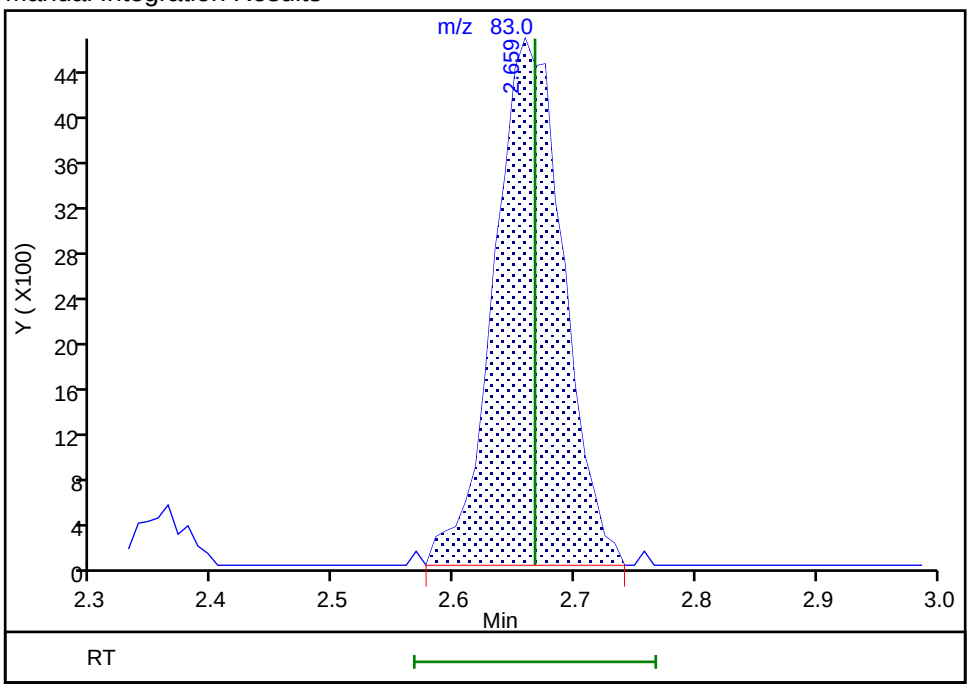
Not Detected
Expected RT: 2.67

Processing Integration Results



Manual Integration Results

RT: 2.66
Area: 18657
Amount: 4.699654
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:16:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

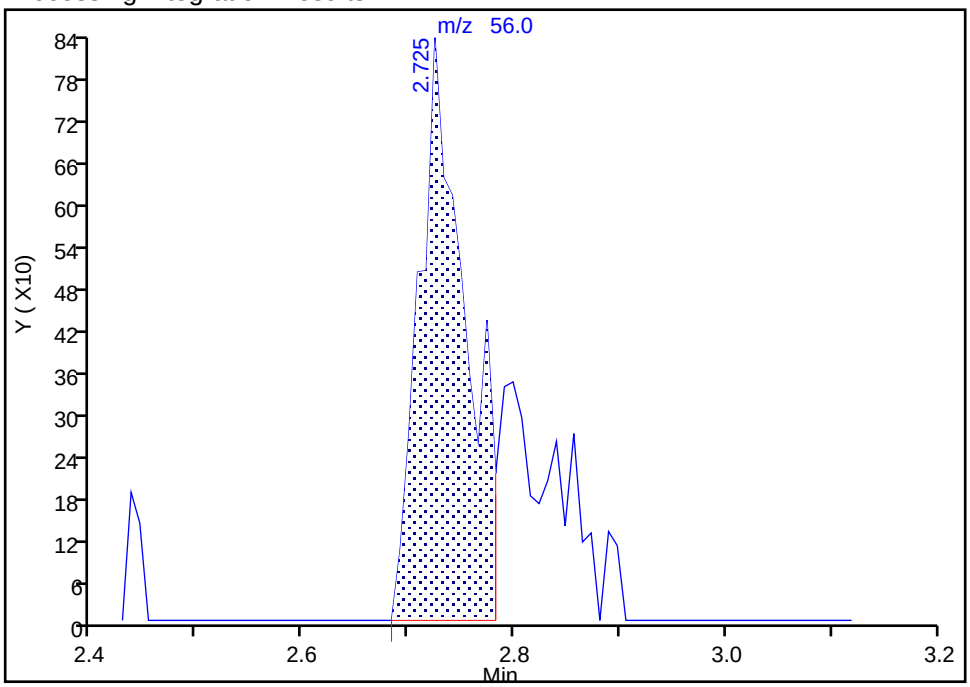
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Injection Date: 01-Jul-2020 17:06:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Acrolein, CAS: 107-02-8

Signal: 1

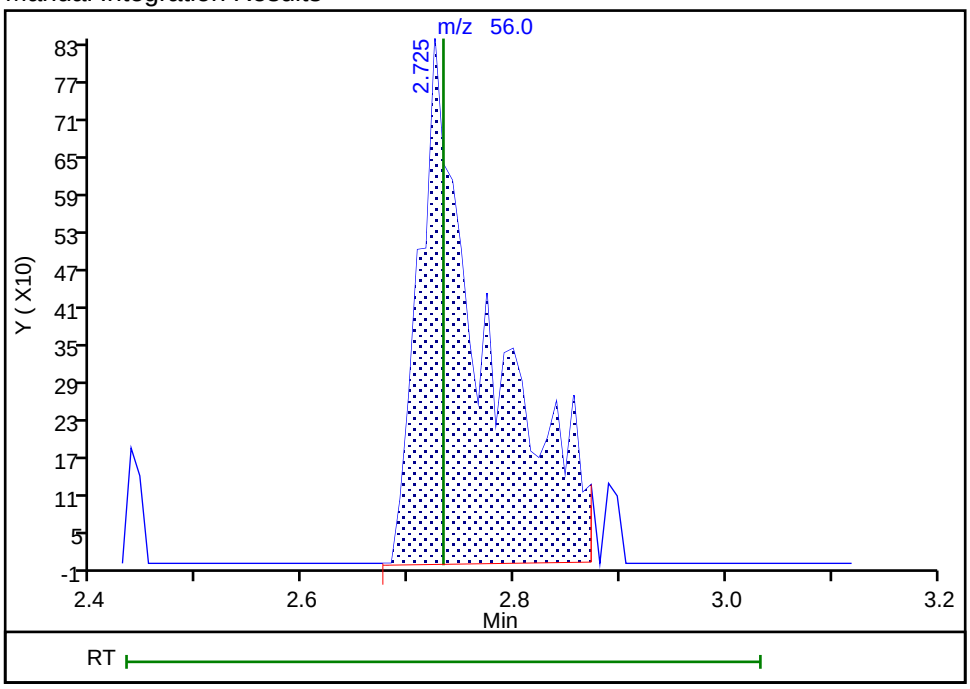
Processing Integration Results

RT: 2.72
Area: 2551
Amount: 15.257635
Amount Units: ug/l



Manual Integration Results

RT: 2.72
Area: 3743
Amount: 19.406674
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 09:28:58
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

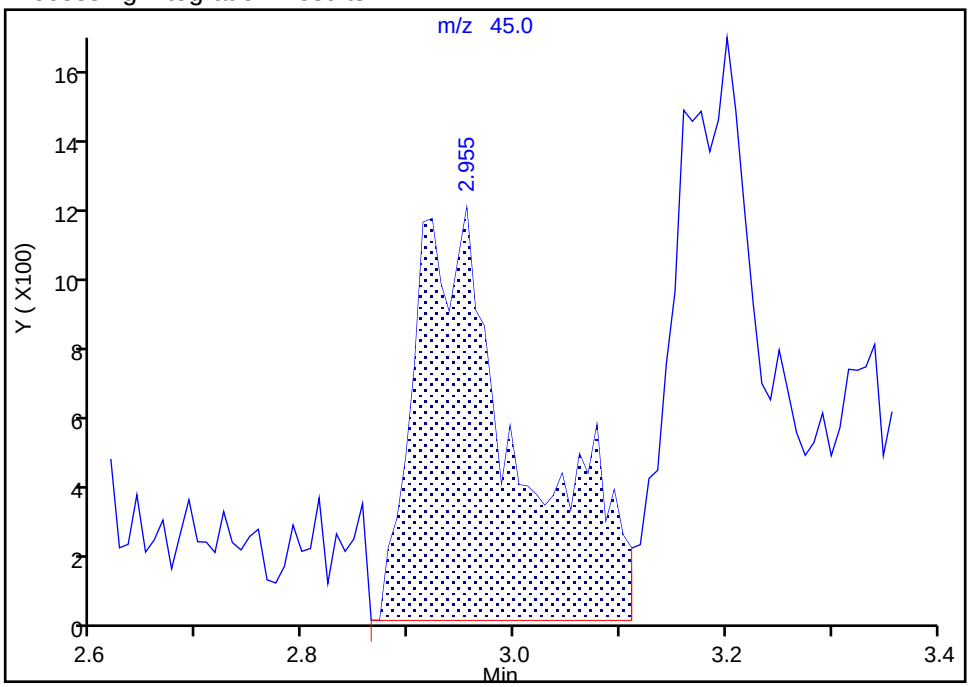
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Injection Date: 01-Jul-2020 17:06:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

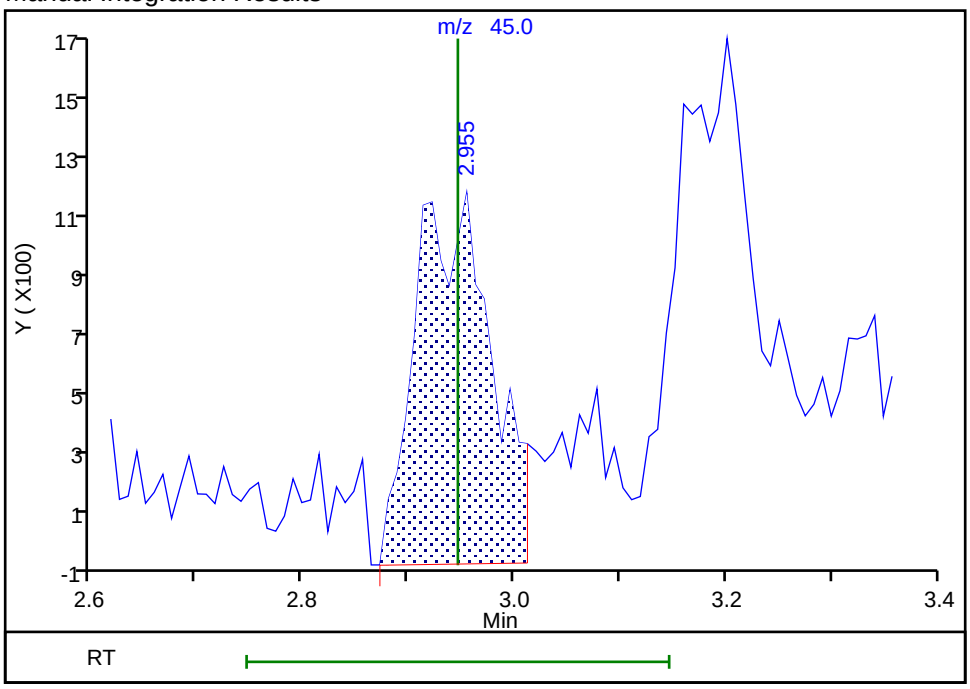
Processing Integration Results

RT: 2.95
Area: 7951
Amount: 52.643556
Amount Units: ug/l



Manual Integration Results

RT: 2.95
Area: 5834
Amount: 48.461021
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 13:02:29
Audit Action: Manually Integrated Audit Reason: Peak Tail

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

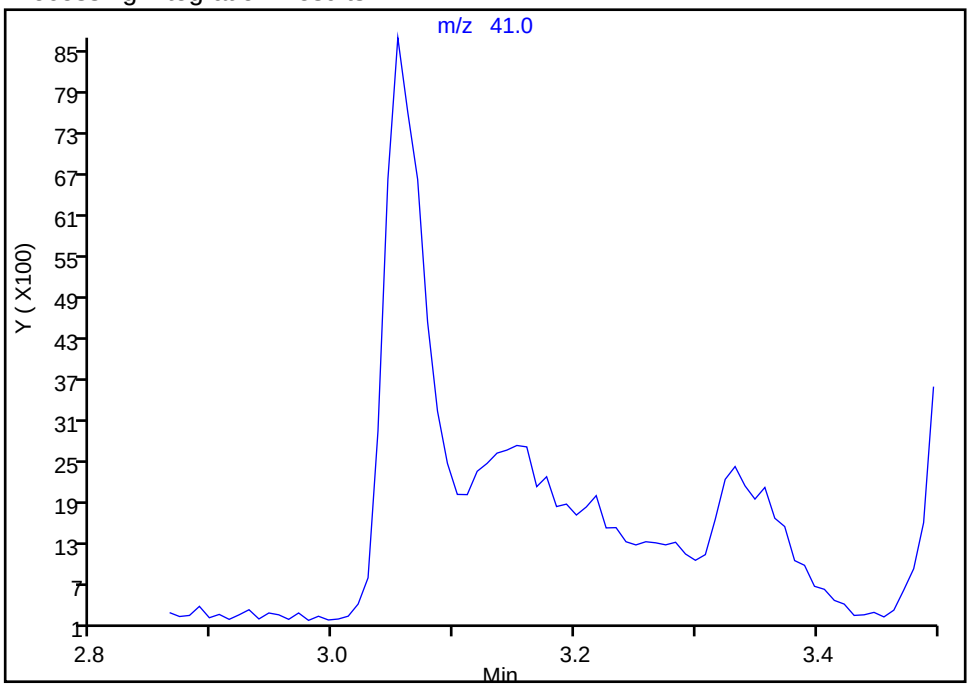
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Injection Date: 01-Jul-2020 17:06:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

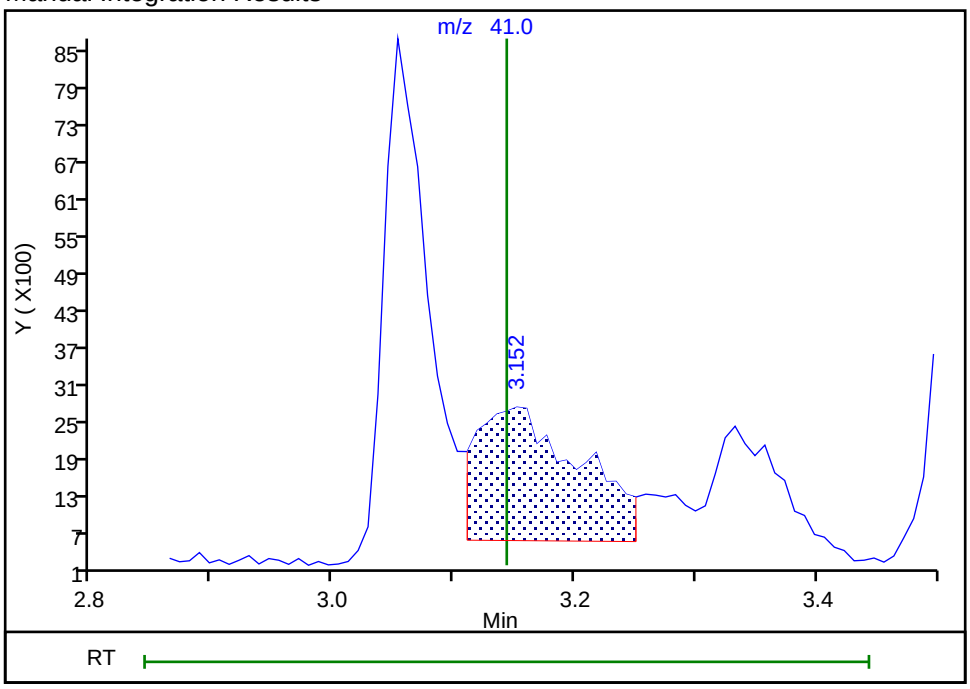
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.15
Area: 13257
Amount: 41.935181
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 11:50:58
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

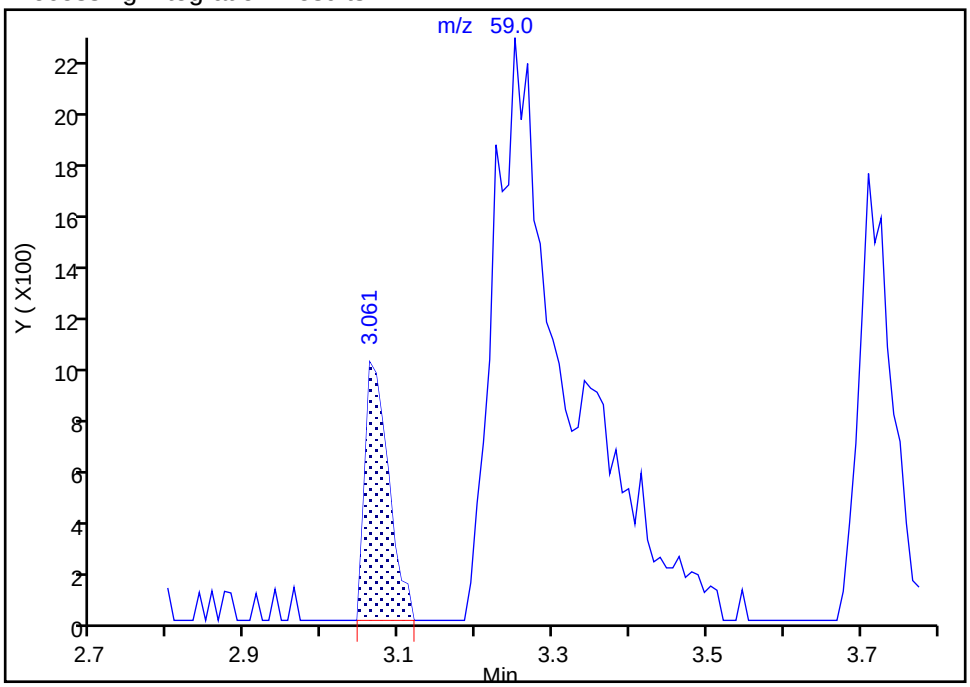
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Injection Date: 01-Jul-2020 17:06:30 Instrument ID: CVOAMS6
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

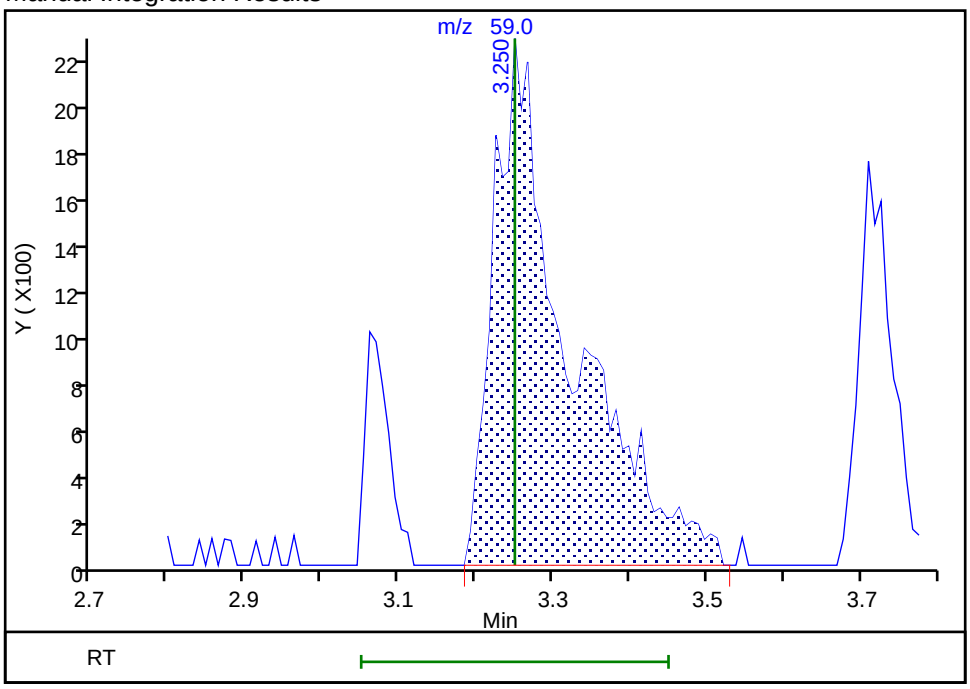
Processing Integration Results

RT: 3.06
Area: 2095
Amount: 26.269086
Amount Units: ug/l



Manual Integration Results

RT: 3.25
Area: 15168
Amount: 53.848103
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 15:26:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97865.D
Lims ID: STD20
Client ID:
Sample Type: ICIS Calib Level: 3
Inject. Date: 01-Jul-2020 17:31:30 ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD20
Misc. Info.: 460-0112547-007
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jul-2020 19:36:02 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: kluseys Date: 01-Jul-2020 19:11:58

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.475	1.475	0.000	89	6913	20.0	23.1	
3 Chlorotrifluoroethene	116	1.574	1.574	0.000	57	26027	20.0	21.3	
2 1,1-Difluoroethane	51	1.582	1.582	0.000	98	60047	20.0	20.5	
4 Dichlorodifluoromethane	85	1.607	1.607	0.000	98	77938	20.0	21.0	
5 Chlorodifluoromethane	51	1.623	1.623	0.000	97	71287	20.0	19.5	
6 Chloromethane	50	1.771	1.771	0.000	99	69841	20.0	18.4	
7 Butadiene	54	1.853	1.853	0.000	92	68969	20.0	20.6	
8 Vinyl chloride	62	1.862	1.862	0.000	98	77250	20.0	20.5	
9 Bromomethane	94	2.133	2.133	0.000	99	47073	20.0	20.1	
10 Chloroethane	64	2.182	2.182	0.000	99	41418	20.0	20.2	
11 Dichlorofluoromethane	67	2.363	2.363	0.000	99	97765	20.0	19.1	
12 Trichlorofluoromethane	101	2.379	2.379	0.000	98	76918	20.0	19.8	
13 Pentane	72	2.388	2.388	0.000	96	22685	40.0	41.7	M
14 Ethanol	46	2.560	2.560	0.000	70	10330	800.0	923.0	
15 Ethyl ether	59	2.560	2.560	0.000	94	42745	20.0	19.6	
16 2-Methyl-1,3-butadiene	53	2.577	2.577	0.000	95	50374	20.0	20.0	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.618	2.618	0.000	93	48557	20.0	21.2	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.667	2.667	0.000	90	78966	20.0	19.9	a
19 Acrolein	56	2.733	2.733	0.000	32	9129	40.0	46.4	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.749	2.749	0.000	92	54698	20.0	20.5	
21 1,1-Dichloroethene	96	2.782	2.782	0.000	98	53804	20.0	19.7	
22 Acetone	43	2.848	2.848	0.000	88	73899	100.0	60.2	
23 Iodomethane	142	2.930	2.930	0.000	96	89145	20.0	19.9	
24 Isopropyl alcohol	45	2.946	2.946	0.000	32	19649	200.0	184.8	
25 Carbon disulfide	76	2.971	2.971	0.000	98	210335	20.0	19.3	
26 3-Chloro-1-propene	41	3.061	3.061	0.000	94	90950	20.0	18.0	
27 Methyl acetate	43	3.078	3.078	0.000	97	88186	40.0	38.1	
28 Cyclopentene	67	3.086	3.086	0.000	93	144898	20.0	19.5	
29 Acetonitrile	41	3.143	3.143	0.000	94	54829	200.0	170.1	a
* 31 TBA-d9 (IS)	65	3.185	3.185	0.000	0	255658	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.193	3.193	0.000	92	63829	20.0	19.2	
32 2-Methyl-2-propanol	59	3.250	3.250	0.000	98	56904	200.0	198.1	a
33 Methyl tert-butyl ether	73	3.349	3.349	0.000	97	136874	20.0	20.1	
34 trans-1,2-Dichloroethene	96	3.365	3.365	0.000	95	54629	20.0	19.8	
35 Acrylonitrile	53	3.439	3.439	0.000	96	249492	200.0	196.8	
36 Hexane	43	3.513	3.513	0.000	90	45598	20.0	19.8	
37 Isopropyl ether	45	3.727	3.727	0.000	96	156302	20.0	19.6	
38 1,1-Dichloroethane	63	3.752	3.752	0.000	100	92676	20.0	19.9	
39 Vinyl acetate	86	3.768	3.768	0.000	99	22581	40.0	37.1	
40 2-Chloro-1,3-butadiene	88	3.793	3.793	0.000	89	50421	20.0	20.5	
41 Tert-butyl ethyl ether	59	4.031	4.031	0.000	89	144722	20.0	19.8	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	320850	250.0	250.0	
43 2,2-Dichloropropane	97	4.245	4.245	0.000	67	16950	20.0	19.8	
44 cis-1,2-Dichloroethene	96	4.253	4.253	0.000	98	59157	20.0	19.7	
45 Ethyl acetate	70	4.277	4.277	0.000	95	14166	40.0	40.3	
46 2-Butanone (MEK)	72	4.277	4.277	0.000	97	40956	100.0	96.9	
47 Methyl acrylate	55	4.327	4.327	0.000	100	53129	20.0	19.5	
48 Propionitrile	54	4.409	4.409	0.000	99	84808	200.0	191.7	
50 Chlorobromomethane	128	4.475	4.475	0.000	91	27986	20.0	19.4	
49 Tetrahydrofuran	72	4.483	4.483	0.000	68	18541	40.0	40.2	
51 Methacrylonitrile	67	4.508	4.508	0.000	88	283826	200.0	200.4	
52 Chloroform	83	4.524	4.524	0.000	99	86412	20.0	19.9	
53 Cyclohexane	84	4.664	4.664	0.000	88	97359	20.0	20.3	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	97	118712	50.0	50.6	
54 1,1,1-Trichloroethane	97	4.680	4.680	0.000	70	75778	20.0	19.8	
56 Carbon tetrachloride	117	4.795	4.795	0.000	98	59688	20.0	19.4	
57 1,1-Dichloropropene	75	4.820	4.820	0.000	99	74323	20.0	19.9	
58 Isobutyl alcohol	43	4.935	4.935	0.000	96	39760	500.0	441.0	
59 Benzene	78	5.017	5.017	0.000	95	232213	20.0	20.3	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	141511	50.0	48.8	
61 Isopropyl acetate	43	5.066	5.066	0.000	96	148341	20.0	19.4	
62 Tert-amyl methyl ether	73	5.074	5.074	0.000	92	158618	20.0	20.3	
63 1,2-Dichloroethane	62	5.099	5.099	0.000	96	66614	20.0	19.2	
64 n-Heptane	57	5.165	5.165	0.000	89	45908	20.0	20.7	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	528876	50.0	50.0	
66 n-Butanol	56	5.592	5.592	0.000	85	36862	500.0	495.2	
67 Trichloroethene	95	5.641	5.641	0.000	99	54531	20.0	19.7	
68 Ethyl acrylate	55	5.765	5.765	0.000	98	146575	20.0	20.3	
69 Methylcyclohexane	83	5.773	5.773	0.000	82	106437	20.0	20.2	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	94	57341	20.0	20.2	
* 71 1,4-Dioxane-d8	96	5.995	5.995	0.000	0	22903	1000.0	1000.0	
72 Methyl methacrylate	100	6.011	6.011	0.000	85	33419	40.0	38.6	
73 1,4-Dioxane	88	6.044	6.044	0.000	84	10289	400.0	407.8	
74 n-Propyl acetate	43	6.060	6.060	0.000	96	75848	20.0	19.0	
75 Dibromomethane	93	6.060	6.060	0.000	94	34030	20.0	19.6	
76 Dichlorobromomethane	83	6.200	6.200	0.000	99	66290	20.0	19.5	
77 2-Nitropropane	41	6.537	6.537	0.000	79	22943	40.0	34.3	
78 2-Chloroethyl vinyl ether	63	6.545	6.545	0.000	80	30585	20.0	18.6	
79 Epichlorohydrin	57	6.644	6.644	0.000	99	123015	400.0	397.2	
80 cis-1,3-Dichloropropene	75	6.701	6.701	0.000	90	85918	20.0	19.1	
81 4-Methyl-2-pentanone (MIBK)	43	6.866	6.866	0.000	95	288091	100.0	99.8	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	100	512332	50.0	50.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	7.022	7.022	0.000	94	237955	20.0	19.7	
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	92	74117	20.0	19.5	
85 Ethyl methacrylate	69	7.408	7.408	0.000	85	76216	20.0	19.9	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	97	42931	20.0	20.7	
87 Tetrachloroethene	166	7.630	7.630	0.000	94	47824	20.0	20.3	
88 1,3-Dichloropropane	76	7.794	7.794	0.000	91	83292	20.0	19.2	
89 2-Hexanone	43	7.860	7.860	0.000	93	181365	100.0	97.0	
90 n-Butyl acetate	43	7.975	7.975	0.000	98	82097	20.0	19.4	
91 Chlorodibromomethane	129	8.016	8.016	0.000	98	44277	20.0	19.1	
92 Ethylene Dibromide	107	8.172	8.172	0.000	99	46669	20.0	19.9	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	86	366461	50.0	50.0	
94 Chlorobenzene	112	8.756	8.756	0.000	95	148085	20.0	20.2	
95 Ethylbenzene	106	8.871	8.871	0.000	98	84213	20.0	19.8	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	94	48877	20.0	20.3	
97 m-Xylene & p-Xylene	106	9.027	9.027	0.000	0	103306	20.0	20.4	
98 n-Butyl acrylate	73	9.479	9.479	0.000	98	46387	20.0	19.7	
99 o-Xylene	106	9.487	9.487	0.000	94	107691	20.0	20.7	
100 Styrene	104	9.512	9.512	0.000	97	169370	20.0	20.3	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	92	100615	20.0	19.3	
102 Bromoform	173	9.717	9.717	0.000	95	28827	20.0	19.5	
103 Isopropylbenzene	105	9.840	9.840	0.000	96	268196	20.0	20.2	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	87	134711	50.0	50.4	
105 Bromobenzene	156	10.136	10.136	0.000	97	58815	20.0	20.0	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	98	71934	20.0	19.5	
107 N-Propylbenzene	91	10.202	10.202	0.000	99	340171	20.0	19.9	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	98	21665	20.0	20.1	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	80	17391	20.0	19.0	
110 2-Chlorotoluene	91	10.292	10.292	0.000	96	222865	20.0	19.6	
111 4-Ethyltoluene	105	10.300	10.300	0.000	98	269913	20.0	19.9	
112 1,3,5-Trimethylbenzene	105	10.358	10.358	0.000	93	231801	20.0	19.9	
113 4-Chlorotoluene	91	10.383	10.383	0.000	97	193770	20.0	19.3	
114 Butyl Methacrylate	87	10.440	10.440	0.000	86	82876	20.0	19.5	
115 tert-Butylbenzene	119	10.588	10.588	0.000	94	182775	20.0	19.9	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	97	241820	20.0	20.0	
117 sec-Butylbenzene	105	10.752	10.752	0.000	99	298670	20.0	19.9	
119 1,3-Dichlorobenzene	146	10.851	10.851	0.000	92	120575	20.0	20.4	
118 4-Isopropyltoluene	119	10.859	10.859	0.000	98	254920	20.0	20.5	
* 120 1,4-Dichlorobenzene-d4	152	10.908	10.908	0.000	95	195468	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	94	120283	20.0	19.9	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	98	251718	20.0	20.0	
123 Benzyl chloride	91	11.024	11.024	0.000	98	128149	20.0	19.3	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	94	244081	20.0	19.7	
125 p-Diethylbenzene	119	11.114	11.114	0.000	93	140128	20.0	20.5	
126 n-Butylbenzene	92	11.130	11.130	0.000	98	144040	20.0	20.5	
127 1,2-Dichlorobenzene	146	11.171	11.171	0.000	95	124503	20.0	20.2	
128 1,2,4,5-Tetramethylbenzene	119	11.590	11.590	0.000	98	248138	20.0	19.9	
129 1,2-Dibromo-3-Chloropropane	157	11.664	11.664	0.000	98	15519	20.0	18.5	
130 1,3,5-Trichlorobenzene	180	11.747	11.747	0.000	97	96288	20.0	20.2	
131 1,2,4-Trichlorobenzene	180	12.141	12.141	0.000	93	92953	20.0	20.5	
132 Hexachlorobutadiene	225	12.207	12.207	0.000	94	33710	20.0	20.4	
133 Naphthalene	128	12.314	12.314	0.000	99	272734	20.0	19.9	
134 1,2,3-Trichlorobenzene	180	12.470	12.470	0.000	94	86103	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,2-Dichloroethene, Total	100				0		40.0	39.4	
S 136 Xylenes, Total	100				0		40.0	41.0	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 02-Jul-2020 19:36:08 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97865.D

Injection Date: 01-Jul-2020 17:31:30 Instrument ID: CVOAMS6 Operator ID:

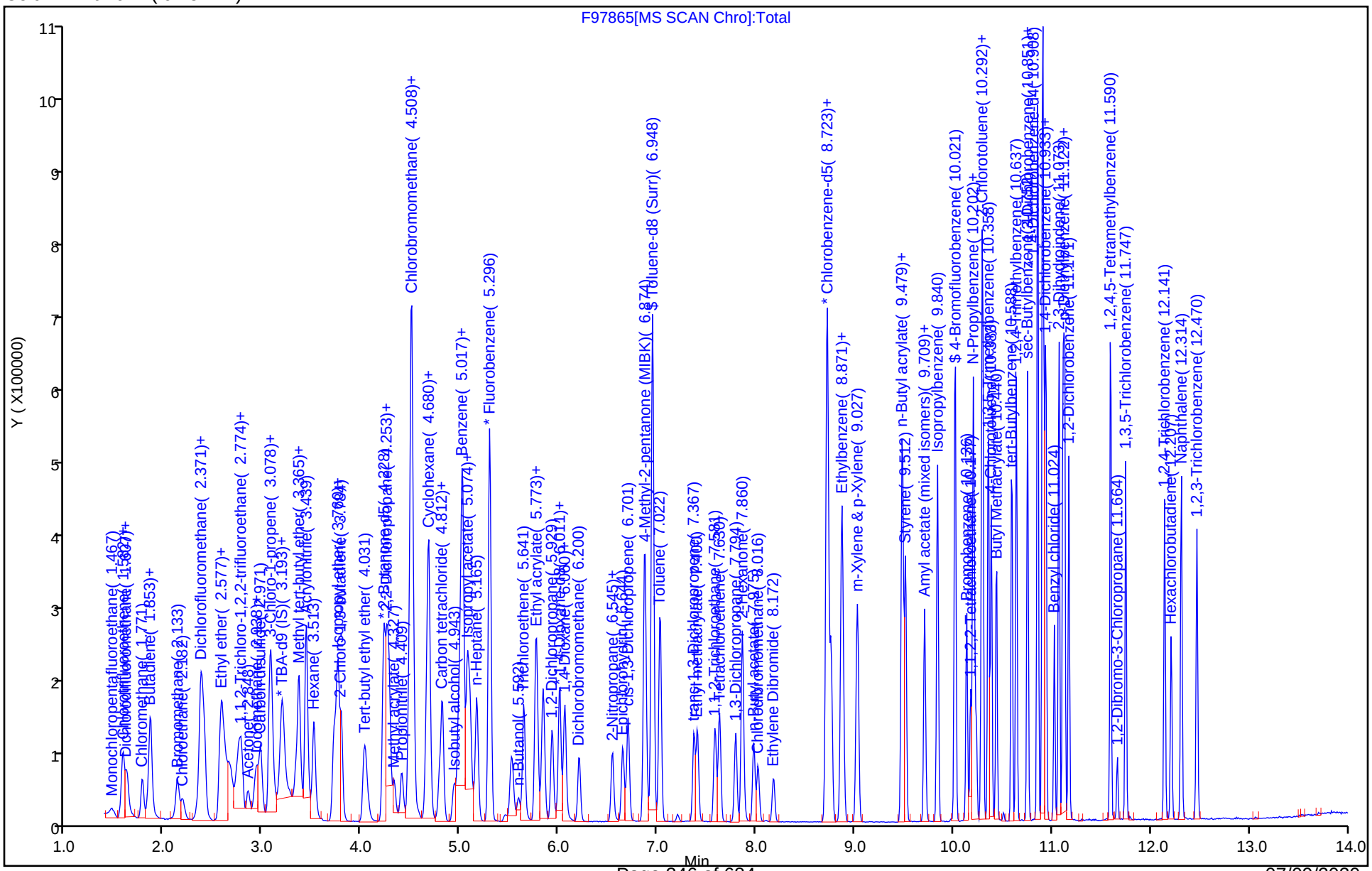
Lims ID: STD20 Worklist Smp#: 7

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

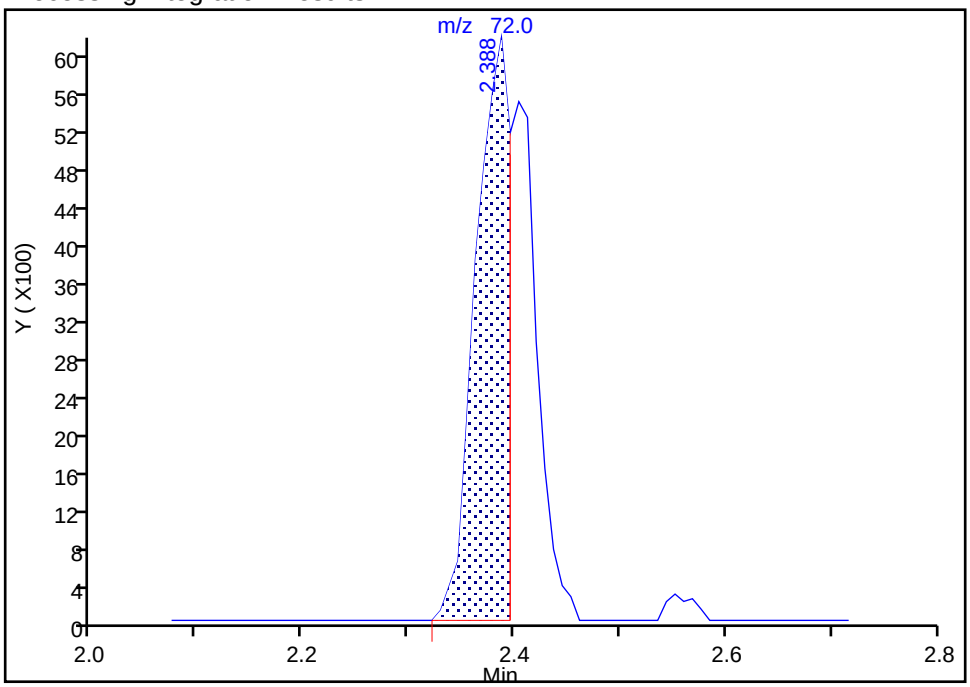
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Injection Date: 01-Jul-2020 17:31:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

13 Pentane, CAS: 109-66-0

Signal: 1

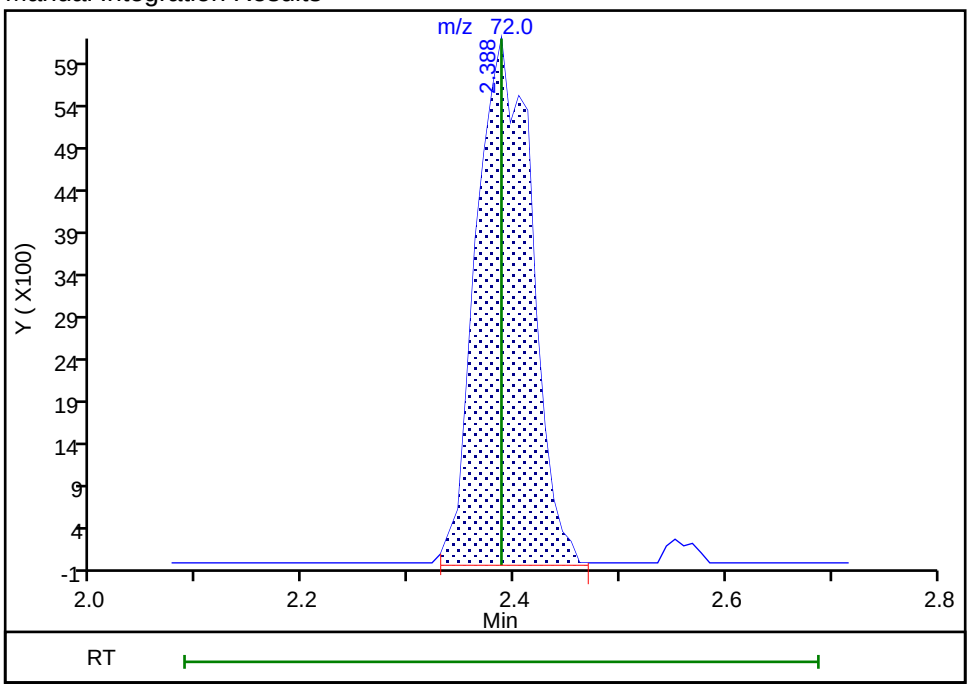
Processing Integration Results

RT: 2.39
Area: 14189
Amount: 30.632179
Amount Units: ug/l



Manual Integration Results

RT: 2.39
Area: 22685
Amount: 41.683098
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 13:16:17
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

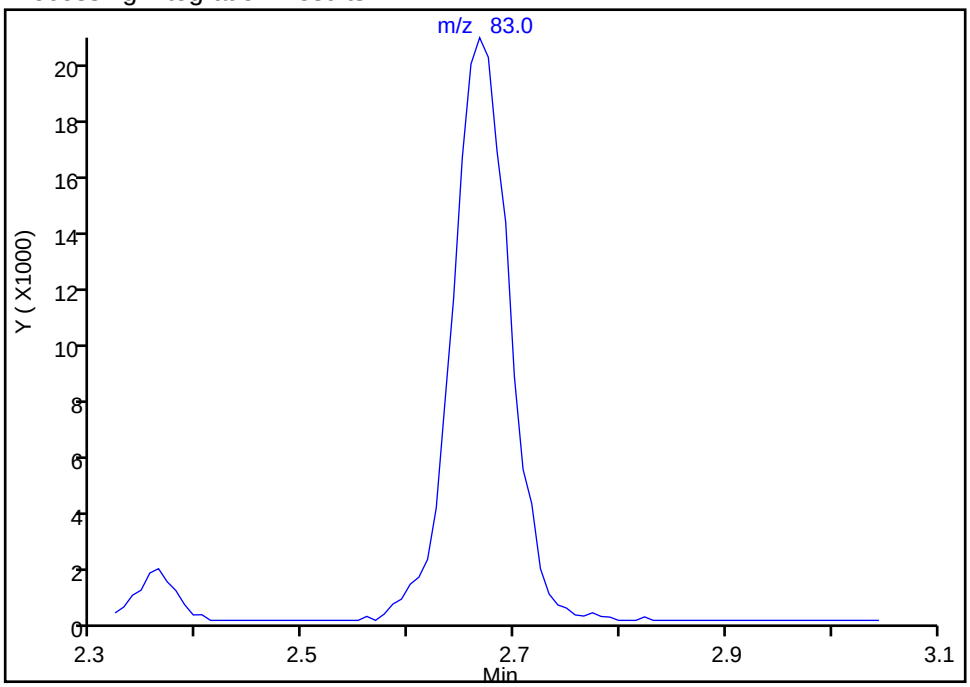
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Injection Date: 01-Jul-2020 17:31:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

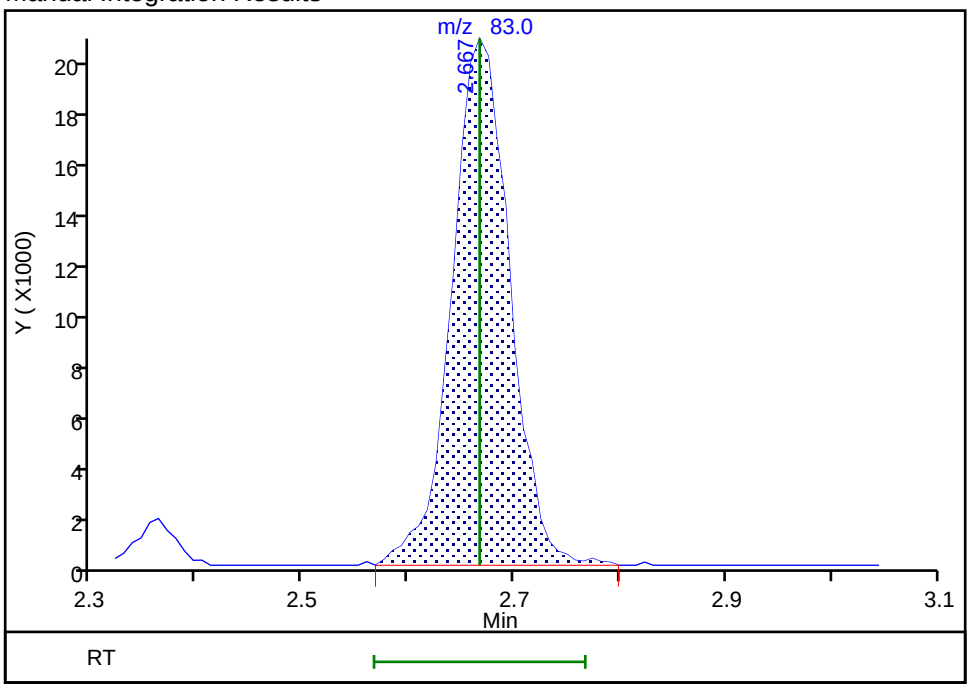
Not Detected
Expected RT: 2.67

Processing Integration Results



Manual Integration Results

RT: 2.67
Area: 78966
Amount: 19.894321
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:10:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

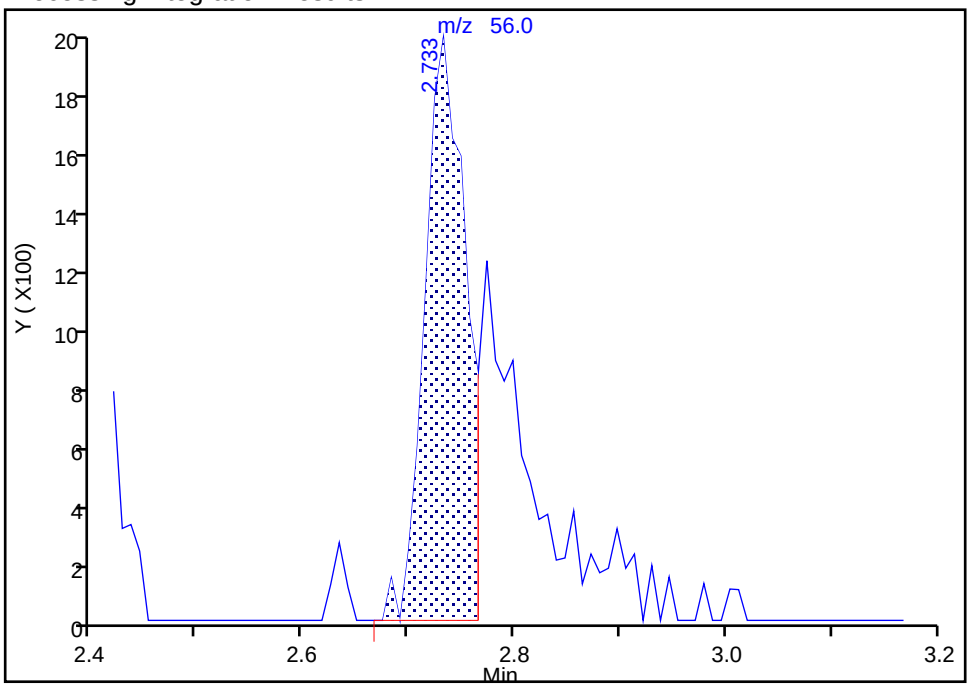
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Injection Date: 01-Jul-2020 17:31:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

19 Acrolein, CAS: 107-02-8

Signal: 1

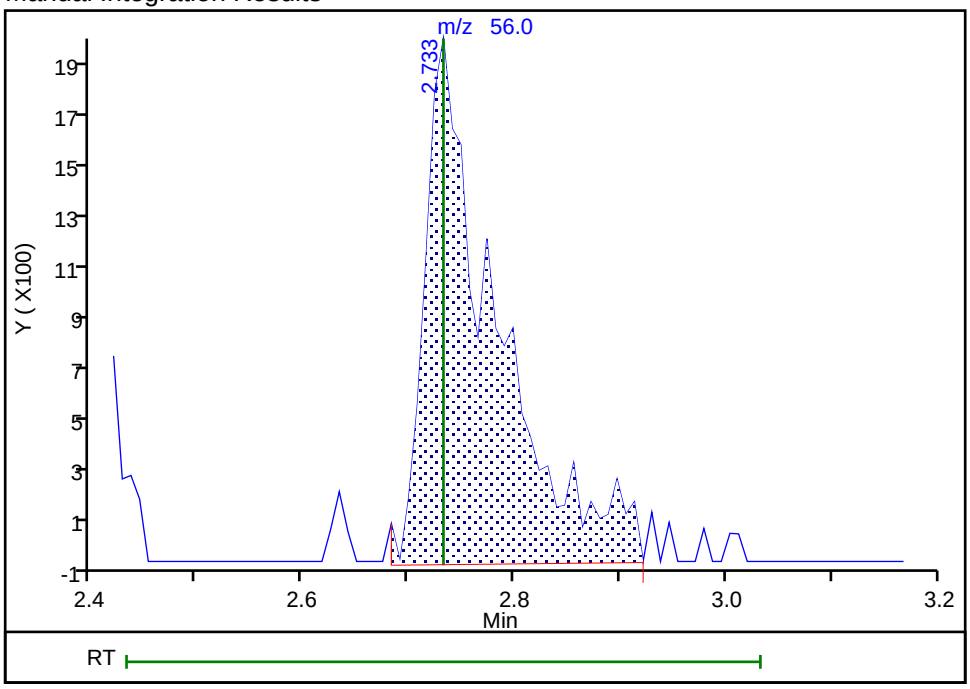
Processing Integration Results

RT: 2.73
Area: 5276
Amount: 29.210072
Amount Units: ug/l



Manual Integration Results

RT: 2.73
Area: 9129
Amount: 46.416270
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 09:29:36
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

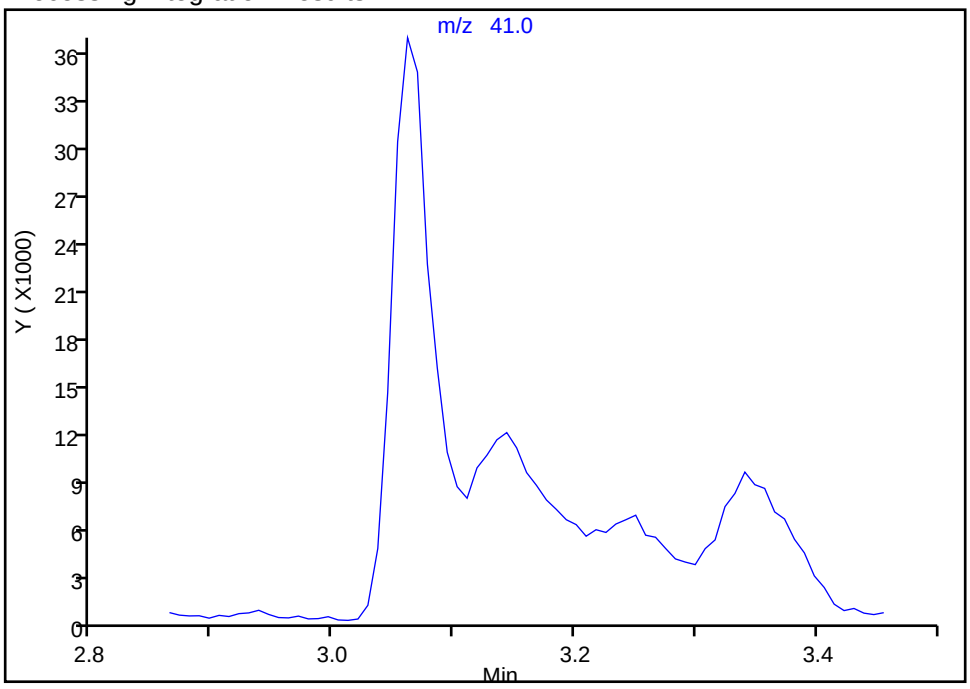
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Injection Date: 01-Jul-2020 17:31:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

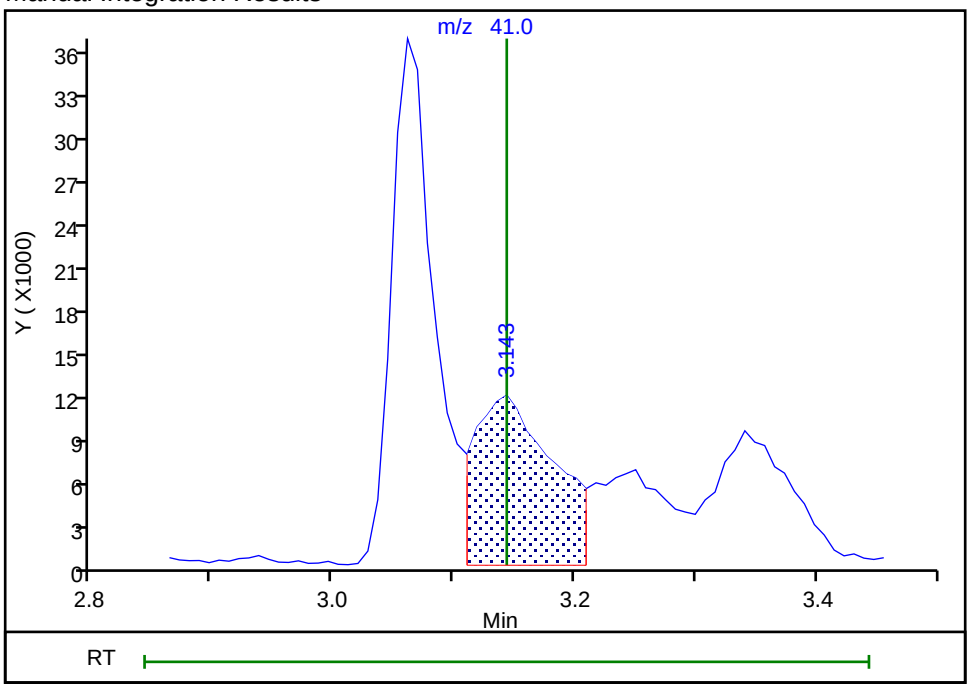
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 54829
Amount: 170.0824
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:10:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

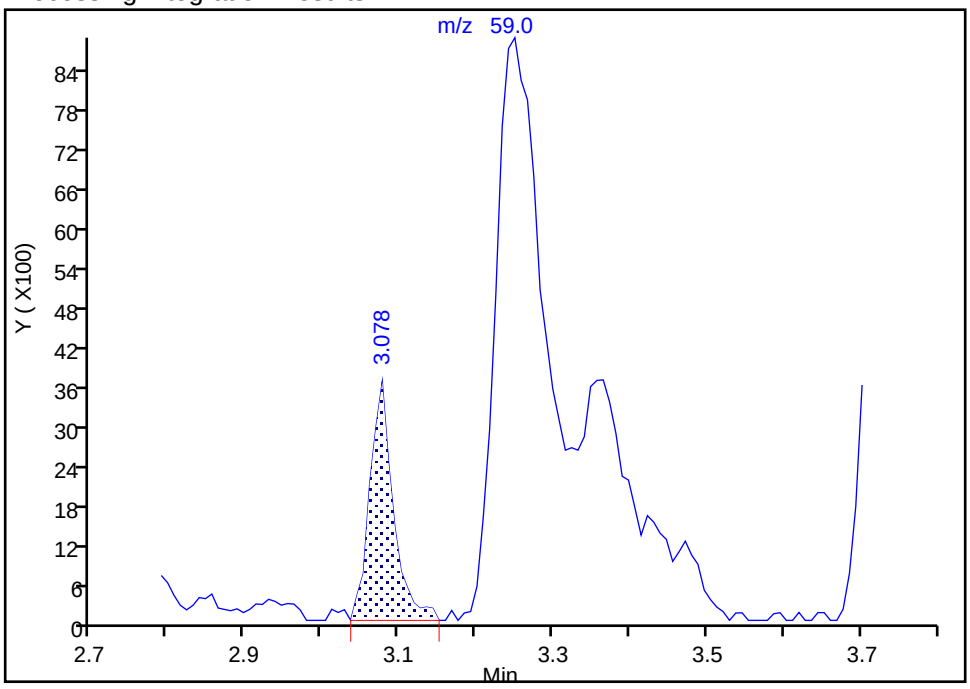
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Injection Date: 01-Jul-2020 17:31:30 Instrument ID: CVOAMS6
Lims ID: STD20
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 7
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

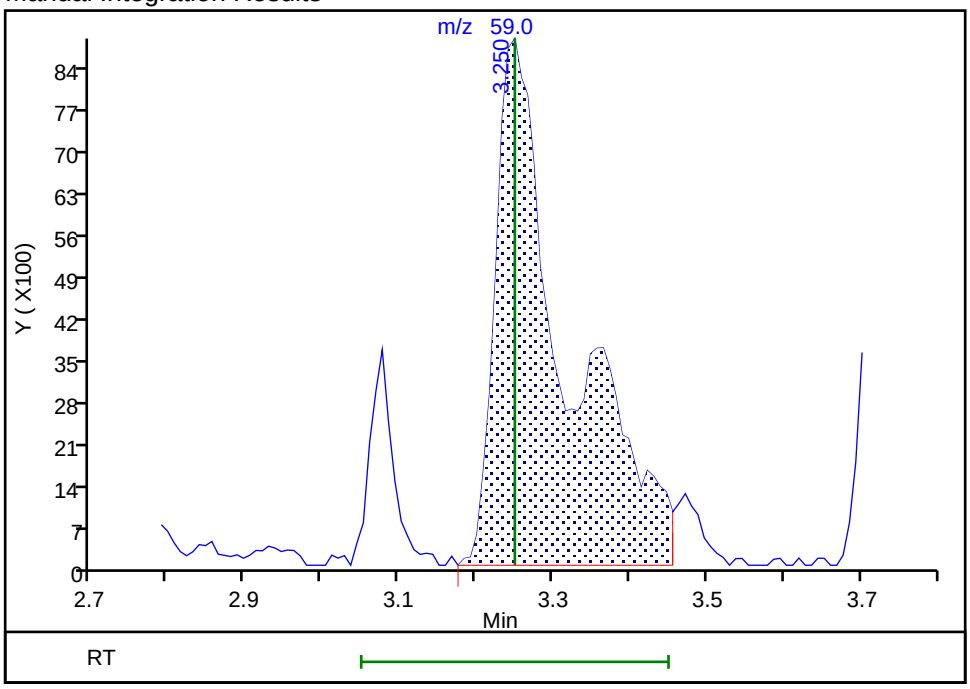
Processing Integration Results

RT: 3.08
Area: 7685
Amount: 61.107878
Amount Units: ug/l



Manual Integration Results

RT: 3.25
Area: 56904
Amount: 198.1074
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 15:26:32
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97866.D
Lims ID: STD50
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 01-Jul-2020 17:55:30 ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD50
Misc. Info.: 460-0112547-008
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jul-2020 19:36:19 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: kluseys Date: 01-Jul-2020 19:14:41

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.484	1.475	0.009	88	16091	50.0	51.6	
3 Chlorotrifluoroethene	116	1.574	1.574	0.000	87	60977	50.0	47.9	
2 1,1-Difluoroethane	51	1.582	1.582	0.000	97	154421	50.0	50.6	
4 Dichlorodifluoromethane	85	1.607	1.607	0.000	99	181213	50.0	46.9	
5 Chlorodifluoromethane	51	1.623	1.623	0.000	97	169971	50.0	44.7	
6 Chloromethane	50	1.779	1.771	0.008	99	180027	50.0	45.6	
7 Butadiene	54	1.862	1.853	0.009	93	169029	50.0	48.5	
8 Vinyl chloride	62	1.870	1.862	0.008	98	187739	50.0	47.8	
9 Bromomethane	94	2.133	2.133	0.000	99	110965	50.0	45.5	
10 Chloroethane	64	2.190	2.182	0.008	98	98787	50.0	46.1	
11 Dichlorofluoromethane	67	2.363	2.363	0.000	99	234009	50.0	43.9	
12 Trichlorofluoromethane	101	2.388	2.379	0.009	98	182278	50.0	45.0	
13 Pentane	72	2.396	2.388	0.008	96	53385	100.0	94.4	
14 Ethanol	46	2.552	2.560	-0.008	73	24376	2000.0	2095.2	
15 Ethyl ether	59	2.560	2.560	0.000	92	111429	50.0	49.1	
16 2-Methyl-1,3-butadiene	53	2.585	2.577	0.008	94	126023	50.0	48.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.618	2.618	0.000	87	122474	50.0	51.3	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.675	2.667	0.008	91	202358	50.0	48.9	a
19 Acrolein	56	2.733	2.733	0.000	33	19944	100.0	97.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.749	2.749	0.000	90	132215	50.0	47.6	
21 1,1-Dichloroethene	96	2.782	2.782	0.000	98	137189	50.0	48.2	
22 Acetone	43	2.848	2.848	0.000	89	200955	250.0	158.6	
23 Iodomethane	142	2.930	2.930	0.000	97	224826	50.0	48.2	
24 Isopropyl alcohol	45	2.946	2.946	0.000	30	54333	500.0	500.6	
25 Carbon disulfide	76	2.979	2.971	0.008	98	531038	50.0	46.7	
26 3-Chloro-1-propene	41	3.070	3.061	0.009	98	236251	50.0	44.9	
27 Methyl acetate	43	3.078	3.078	0.000	98	230179	100.0	95.5	
28 Cyclopentene	67	3.086	3.086	0.000	93	369448	50.0	47.8	
29 Acetonitrile	41	3.135	3.143	-0.008	95	161971	500.0	483.3	a
* 31 TBA-d9 (IS)	65	3.201	3.185	0.016	0	265757	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.201	3.193	0.008	90	160805	50.0	46.5	
32 2-Methyl-2-propanol	59	3.258	3.250	0.008	96	145797	500.0	488.3	Ma
33 Methyl tert-butyl ether	73	3.349	3.349	0.000	98	345287	50.0	48.6	
34 trans-1,2-Dichloroethene	96	3.365	3.365	0.000	95	141470	50.0	49.1	
35 Acrylonitrile	53	3.439	3.439	0.000	95	639096	500.0	484.0	
36 Hexane	43	3.513	3.513	0.000	90	110394	50.0	45.9	
37 Isopropyl ether	45	3.727	3.727	0.000	96	400943	50.0	48.2	
38 1,1-Dichloroethane	63	3.752	3.752	0.000	99	240076	50.0	49.6	
39 Vinyl acetate	86	3.768	3.768	0.000	99	58980	100.0	93.0	
40 2-Chloro-1,3-butadiene	88	3.793	3.793	0.000	89	131701	50.0	51.4	
41 Tert-butyl ethyl ether	59	4.031	4.031	0.000	89	370335	50.0	48.5	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	336072	250.0	250.0	
43 2,2-Dichloropropane	97	4.245	4.245	0.000	89	43655	50.0	48.9	
44 cis-1,2-Dichloroethene	96	4.261	4.253	0.008	97	152416	50.0	48.7	
45 Ethyl acetate	70	4.277	4.277	0.000	96	36643	100.0	99.6	
46 2-Butanone (MEK)	72	4.277	4.277	0.000	96	104269	250.0	235.6	
47 Methyl acrylate	55	4.335	4.327	0.008	100	142075	50.0	49.2	
48 Propionitrile	54	4.409	4.409	0.000	99	222144	500.0	483.0	
50 Chlorobromomethane	128	4.475	4.475	0.000	89	71535	50.0	47.6	
49 Tetrahydrofuran	72	4.483	4.483	0.000	93	47280	100.0	97.9	
51 Methacrylonitrile	67	4.507	4.508	-0.001	89	721996	500.0	489.3	
52 Chloroform	83	4.532	4.524	0.008	99	221452	50.0	49.0	
53 Cyclohexane	84	4.664	4.664	0.000	87	237144	50.0	47.4	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	96	121513	50.0	49.8	
54 1,1,1-Trichloroethane	97	4.680	4.680	0.000	99	192944	50.0	48.4	
56 Carbon tetrachloride	117	4.795	4.795	0.000	98	152594	50.0	47.6	
57 1,1-Dichloropropene	75	4.820	4.820	0.000	99	187204	50.0	48.0	
58 Isobutyl alcohol	43	4.935	4.935	0.000	94	110308	1250.0	1176.9	
59 Benzene	78	5.017	5.017	0.000	97	592194	50.0	49.0	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.033	5.025	0.008	0	147407	50.0	48.8	
61 Isopropyl acetate	43	5.074	5.066	0.008	96	383303	50.0	48.1	
62 Tert-amyl methyl ether	73	5.083	5.074	0.009	91	395776	50.0	48.6	
63 1,2-Dichloroethane	62	5.099	5.099	0.000	95	174207	50.0	48.2	
64 n-Heptane	57	5.165	5.165	0.000	88	113568	50.0	49.1	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	550901	50.0	50.0	
66 n-Butanol	56	5.592	5.592	0.000	84	95469	1250.0	1233.9	
67 Trichloroethene	95	5.641	5.641	0.000	99	138295	50.0	48.0	
68 Ethyl acrylate	55	5.765	5.765	0.000	97	374559	50.0	49.7	
69 Methylcyclohexane	83	5.773	5.773	0.000	80	266294	50.0	48.4	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	94	144893	50.0	48.9	
* 71 1,4-Dioxane-d8	96	5.995	5.995	0.000	0	23549	1000.0	1000.0	
72 Methyl methacrylate	100	6.011	6.011	0.000	84	88095	100.0	97.8	
73 1,4-Dioxane	88	6.052	6.044	0.008	82	27282	1000.0	1051.7	
74 n-Propyl acetate	43	6.060	6.060	0.000	96	199442	50.0	47.9	
75 Dibromomethane	93	6.060	6.060	0.000	94	85314	50.0	47.2	
76 Dichlorobromomethane	83	6.208	6.200	0.008	99	171814	50.0	48.5	
77 2-Nitropropane	41	6.545	6.537	0.008	79	60373	100.0	86.6	
78 2-Chloroethyl vinyl ether	63	6.545	6.545	0.000	77	82791	50.1	48.3	
79 Epichlorohydrin	57	6.652	6.644	0.008	98	318795	1000.0	982.6	
80 cis-1,3-Dichloropropene	75	6.701	6.701	0.000	89	230930	50.0	48.7	
81 4-Methyl-2-pentanone (MIBK)	43	6.874	6.866	0.008	94	756782	250.0	250.2	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	99	539739	50.0	50.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	7.030	7.022	0.008	93	623367	50.0	48.9	
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	92	200489	50.0	49.8	
85 Ethyl methacrylate	69	7.408	7.408	0.000	86	203623	50.0	50.3	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	96	106673	50.0	48.6	
87 Tetrachloroethene	166	7.630	7.630	0.000	94	123921	50.0	49.8	
88 1,3-Dichloropropane	76	7.794	7.794	0.000	91	222602	50.0	48.5	
89 2-Hexanone	43	7.860	7.860	0.000	93	479248	250.0	244.8	
90 n-Butyl acetate	43	7.975	7.975	0.000	98	217165	50.0	48.5	
91 Chlorodibromomethane	129	8.024	8.016	0.008	98	121126	50.0	49.4	
92 Ethylene Dibromide	107	8.172	8.172	0.000	99	123945	50.0	49.9	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	85	387527	50.0	50.0	
94 Chlorobenzene	112	8.764	8.756	0.008	95	383622	50.0	49.4	
95 Ethylbenzene	106	8.871	8.871	0.000	98	216913	50.0	48.3	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	94	127902	50.0	50.2	
97 m-Xylene & p-Xylene	106	9.027	9.027	0.000	0	268024	50.0	50.0	
98 n-Butyl acrylate	73	9.479	9.479	0.000	98	126349	50.0	50.8	
99 o-Xylene	106	9.487	9.487	0.000	94	277451	50.0	50.4	
100 Styrene	104	9.512	9.512	0.000	96	440698	50.0	49.8	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	93	265087	50.0	50.4	
102 Bromoform	173	9.717	9.717	0.000	95	75954	50.0	48.6	
103 Isopropylbenzene	105	9.840	9.840	0.000	96	690200	50.0	49.2	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	87	138362	50.0	49.0	
105 Bromobenzene	156	10.136	10.136	0.000	96	147852	50.0	49.8	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	99	184537	50.0	49.6	
107 N-Propylbenzene	91	10.202	10.202	0.000	99	865742	50.0	50.2	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	99	53431	50.0	49.0	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	83	45384	50.0	49.1	
110 2-Chlorotoluene	91	10.292	10.292	0.000	96	581160	50.0	50.6	
111 4-Ethyltoluene	105	10.300	10.300	0.000	98	700773	50.0	51.2	
112 1,3,5-Trimethylbenzene	105	10.358	10.358	0.000	93	596275	50.0	50.7	
113 4-Chlorotoluene	91	10.383	10.383	0.000	97	499814	50.0	49.2	
114 Butyl Methacrylate	87	10.440	10.440	0.000	86	222041	50.0	51.7	
115 tert-Butylbenzene	119	10.588	10.588	0.000	94	488353	50.0	52.7	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	97	619815	50.0	50.6	
117 sec-Butylbenzene	105	10.752	10.752	0.000	99	787799	50.0	52.0	
119 1,3-Dichlorobenzene	146	10.851	10.851	0.000	94	298479	50.0	50.0	
118 4-Isopropyltoluene	119	10.851	10.859	-0.008	98	655205	50.0	52.1	
* 120 1,4-Dichlorobenzene-d4	152	10.908	10.908	0.000	95	197602	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	94	301523	50.0	49.3	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	97	644182	50.0	50.6	
123 Benzyl chloride	91	11.023	11.024	-0.001	98	342588	50.0	51.0	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	94	636896	50.0	50.9	
125 p-Diethylbenzene	119	11.114	11.114	0.000	93	354384	50.0	51.2	
126 n-Butylbenzene	92	11.130	11.130	0.000	97	363391	50.0	51.2	
127 1,2-Dichlorobenzene	146	11.171	11.171	0.000	95	313260	50.0	50.2	
128 1,2,4,5-Tetramethylbenzene	119	11.590	11.590	0.000	97	659817	50.0	52.3	
129 1,2-Dibromo-3-Chloropropane	157	11.664	11.664	0.000	96	41123	50.0	48.6	
130 1,3,5-Trichlorobenzene	180	11.747	11.747	0.000	97	237891	50.0	49.5	
131 1,2,4-Trichlorobenzene	180	12.141	12.141	0.000	94	230939	50.0	50.5	
132 Hexachlorobutadiene	225	12.207	12.207	0.000	94	85295	50.0	51.1	
133 Naphthalene	128	12.314	12.314	0.000	99	699972	50.0	50.4	
134 1,2,3-Trichlorobenzene	180	12.470	12.470	0.000	95	218740	50.0	51.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,2-Dichloroethene, Total	100				0		100.0	97.8	
S 136 Xylenes, Total	100				0		100.0	100.3	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	50.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	50.00	Units: uL	
ACROLEIN W_00108	Amount Added:	10.00	Units: uL	
524freon_00024	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 02-Jul-2020 19:36:25 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97866.D

Injection Date: 01-Jul-2020 17:55:30 Instrument ID: CVOAMS6 Operator ID:

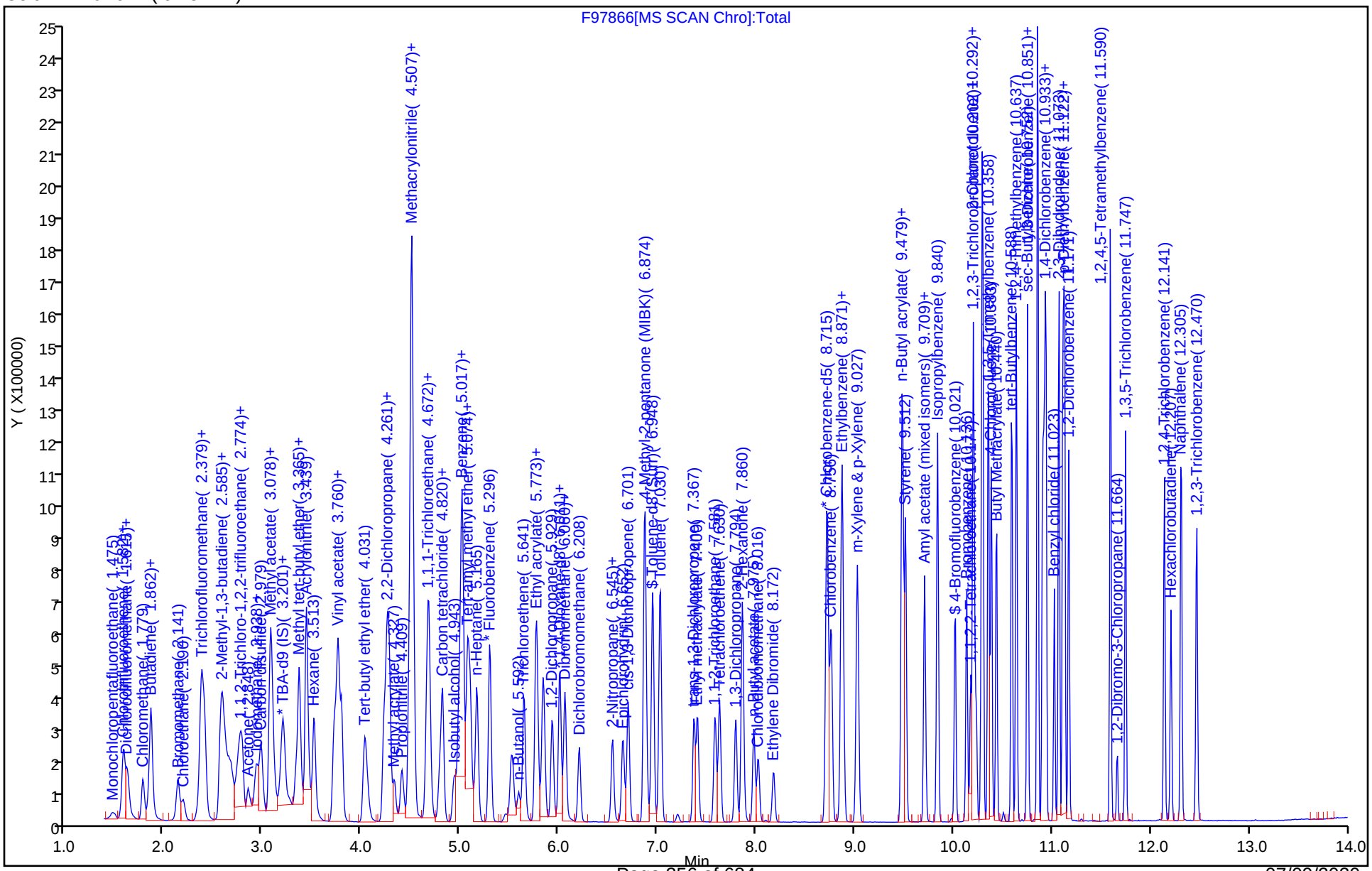
Lims ID: STD50 Worklist Smp#: 8

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

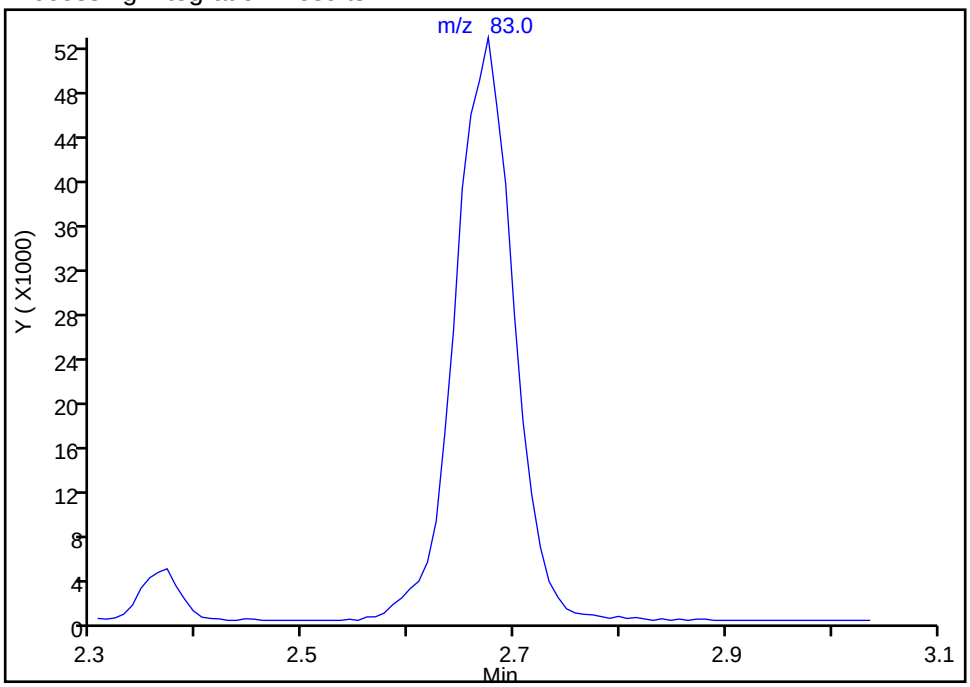
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Injection Date: 01-Jul-2020 17:55:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

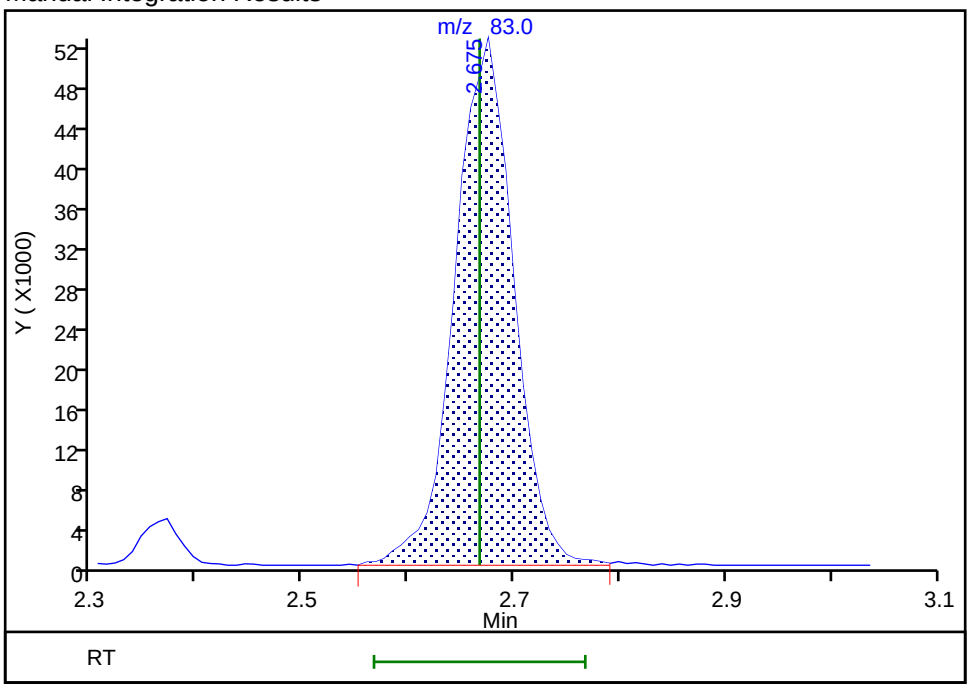
Not Detected
Expected RT: 2.67

Processing Integration Results



Manual Integration Results

RT: 2.68
Area: 202358
Amount: 48.942895
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:14:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

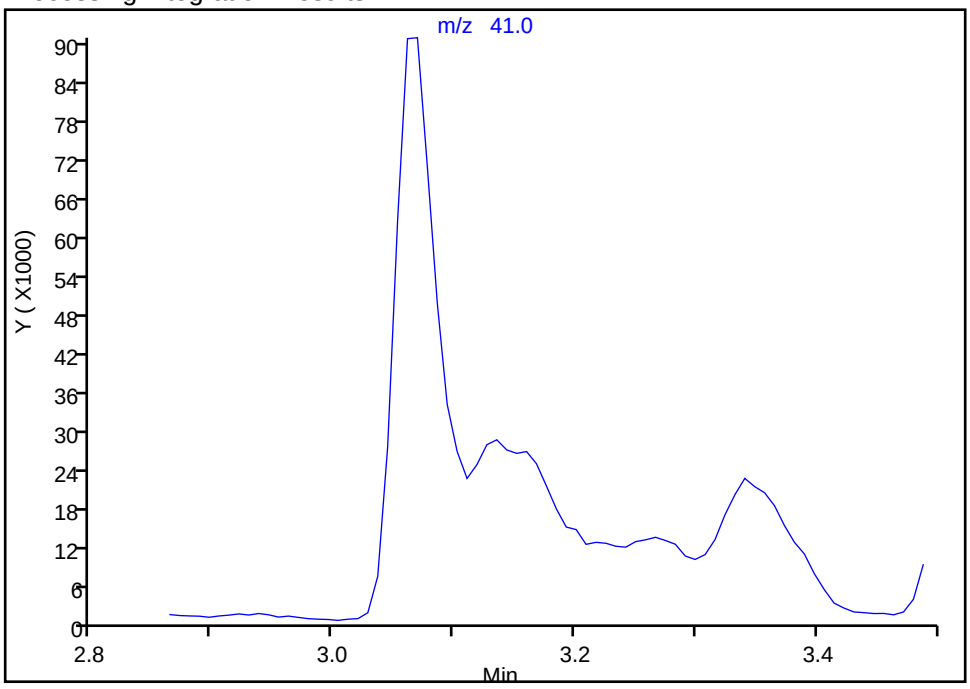
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Injection Date: 01-Jul-2020 17:55:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

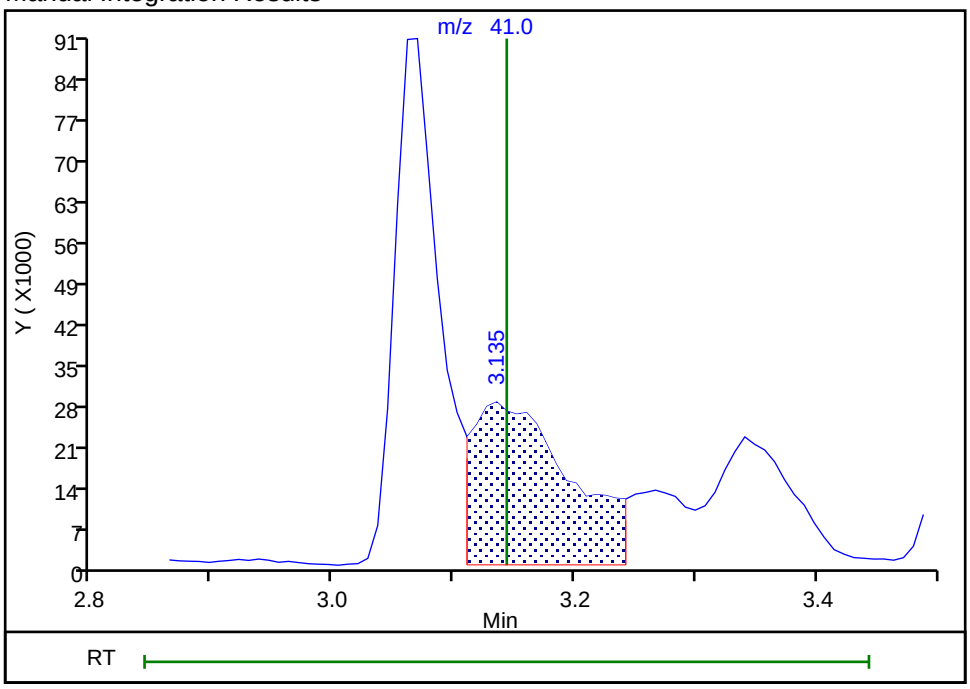
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.14
Area: 161971
Amount: 483.3491
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:14:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

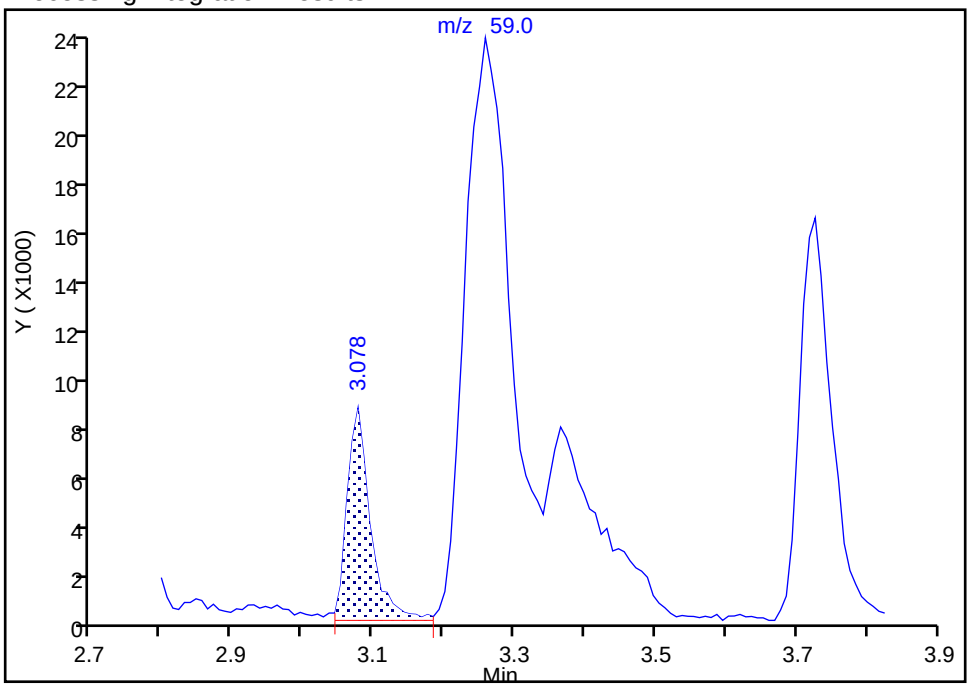
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Injection Date: 01-Jul-2020 17:55:30 Instrument ID: CVOAMS6
Lims ID: STD50
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 8
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

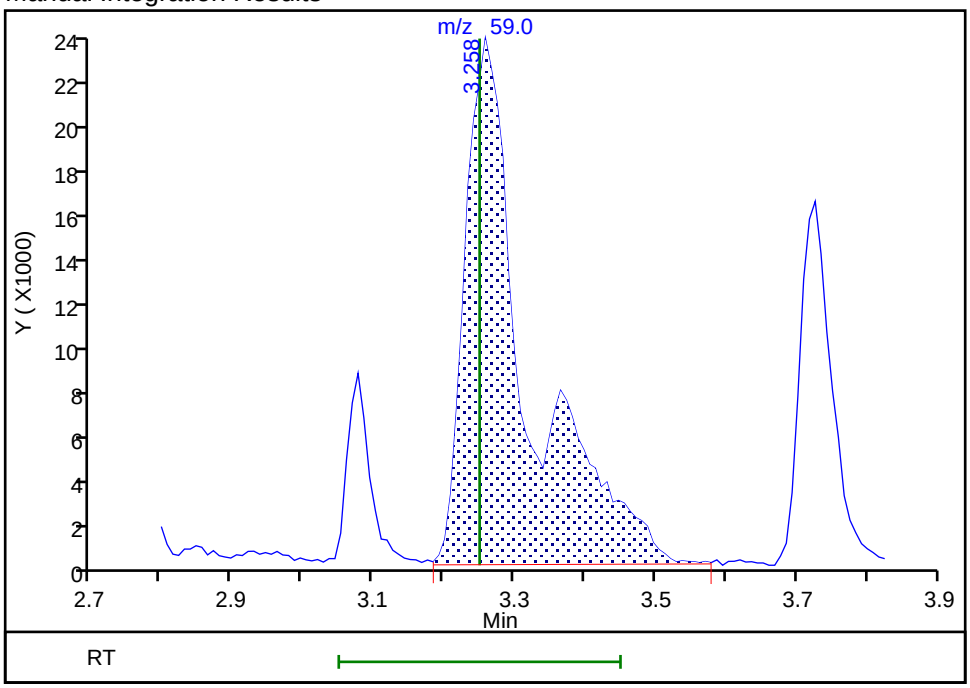
Processing Integration Results

RT: 3.08
Area: 19738
Amount: 113.8522
Amount Units: ug/l



Manual Integration Results

RT: 3.26
Area: 145797
Amount: 488.2937
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 15:47:20
Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97867.D
Lims ID: STD200
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 01-Jul-2020 18:20:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD200
Misc. Info.: 460-0112547-009
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jul-2020 19:36:37 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: kluseys Date: 01-Jul-2020 19:14:01

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.467	1.475	-0.008	87	59239	200.0	207.3	
3 Chlorotrifluoroethene	116	1.574	1.574	0.000	86	238966	200.0	204.6	
2 1,1-Difluoroethane	51	1.574	1.582	-0.008	94	596097	200.0	213.3	
4 Dichlorodifluoromethane	85	1.599	1.607	-0.008	99	726858	200.0	205.1	
5 Chlorodifluoromethane	51	1.624	1.623	0.001	97	691414	200.0	198.5	
6 Chloromethane	50	1.771	1.771	0.000	99	695334	200.0	192.3	
7 Butadiene	54	1.854	1.853	0.001	93	661045	200.0	207.0	
8 Vinyl chloride	62	1.862	1.862	0.000	98	748645	200.0	208.2	
9 Bromomethane	94	2.133	2.133	0.000	99	428505	200.0	191.8	
10 Chloroethane	64	2.182	2.182	0.000	99	392739	200.0	200.2	
11 Dichlorofluoromethane	67	2.363	2.363	0.000	99	977815	200.0	200.0	
12 Trichlorofluoromethane	101	2.379	2.379	0.000	98	786852	200.0	212.1	
13 Pentane	72	2.396	2.388	0.008	96	218968	400.0	371.7	
14 Ethanol	46	2.568	2.560	0.008	89	98533	8000.0	8133.8	
15 Ethyl ether	59	2.552	2.560	-0.008	95	423294	200.0	203.5	
16 2-Methyl-1,3-butadiene	53	2.577	2.577	0.000	93	481142	200.0	200.5	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.618	2.618	0.000	88	467954	200.0	213.9	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.667	2.667	0.000	90	770016	200.0	203.2	a
19 Acrolein	56	2.725	2.733	-0.008	28	44318	200.0	208.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.741	2.749	-0.008	94	514995	200.0	202.3	
21 1,1-Dichloroethene	96	2.782	2.782	0.000	98	537120	200.0	206.0	
22 Acetone	43	2.848	2.848	0.000	89	1120867	1000.0	1054.8	
23 Iodomethane	142	2.922	2.930	-0.008	96	884359	200.0	206.8	
24 Isopropyl alcohol	45	2.930	2.946	-0.016	30	276525	2000.0	2249.6	M
25 Carbon disulfide	76	2.971	2.971	0.000	98	2109078	200.0	202.4	
26 3-Chloro-1-propene	41	3.061	3.061	0.000	98	930412	200.0	192.9	
27 Methyl acetate	43	3.070	3.078	-0.008	97	876349	400.0	396.8	
28 Cyclopentene	67	3.086	3.086	0.000	91	1390326	200.0	196.3	
29 Acetonitrile	41	3.127	3.143	-0.016	92	841870	2000.0	2412.8	a
* 31 TBA-d9 (IS)	65	3.209	3.185	0.024	0	276713	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.201	3.193	0.008	90	638274	200.0	201.4	
32 2-Methyl-2-propanol	59	3.275	3.250	0.025	99	620376	2000.0	1995.5	a
33 Methyl tert-butyl ether	73	3.341	3.349	-0.008	96	1315654	200.0	202.0	
34 trans-1,2-Dichloroethene	96	3.366	3.365	0.001	94	534605	200.0	202.5	
35 Acrylonitrile	53	3.431	3.439	-0.008	96	2512492	2000.0	2076.0	
36 Hexane	43	3.513	3.513	0.000	89	403294	200.0	183.1	
37 Isopropyl ether	45	3.719	3.727	-0.008	96	1510778	200.0	198.3	
38 1,1-Dichloroethane	63	3.752	3.752	0.000	100	919147	200.0	207.1	
39 Vinyl acetate	86	3.760	3.768	-0.008	99	214027	400.0	368.3	
40 2-Chloro-1,3-butadiene	88	3.793	3.793	0.000	89	483188	200.0	205.8	
41 Tert-butyl ethyl ether	59	4.031	4.031	0.000	89	1388512	200.0	198.5	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	323546	250.0	250.0	
43 2,2-Dichloropropane	97	4.245	4.245	0.000	90	166854	200.0	203.9	
44 cis-1,2-Dichloroethene	96	4.253	4.253	0.000	99	582857	200.0	203.1	
45 Ethyl acetate	70	4.278	4.277	0.001	96	144406	400.0	407.5	
46 2-Butanone (MEK)	72	4.278	4.277	0.001	98	447049	1000.0	1049.2	
47 Methyl acrylate	55	4.327	4.327	0.000	100	526079	200.0	187.5	
48 Propionitrile	54	4.401	4.409	-0.008	99	995546	2000.0	2079.1	
50 Chlorobromomethane	128	4.475	4.475	0.000	94	273284	200.0	198.4	
49 Tetrahydrofuran	72	4.475	4.483	-0.008	87	177065	400.0	380.7	
51 Methacrylonitrile	67	4.508	4.508	0.000	88	2775923	2000.0	2052.7	
52 Chloroform	83	4.524	4.524	0.000	99	829434	200.0	200.2	
53 Cyclohexane	84	4.664	4.664	0.000	88	935465	200.0	203.9	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	43	110632	50.0	49.4	
54 1,1,1-Trichloroethane	97	4.680	4.680	0.000	98	758896	200.0	207.5	
56 Carbon tetrachloride	117	4.795	4.795	0.000	98	630148	200.0	214.3	
57 1,1-Dichloropropene	75	4.820	4.820	0.000	99	718569	200.0	201.0	
58 Isobutyl alcohol	43	4.935	4.935	0.000	95	580517	5000.0	5948.6	
59 Benzene	78	5.017	5.017	0.000	95	2301573	200.0	195.9	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	139838	50.0	50.5	
61 Isopropyl acetate	43	5.066	5.066	0.000	96	1449363	200.0	198.6	
62 Tert-amyl methyl ether	73	5.075	5.074	0.001	90	1521645	200.0	203.8	
63 1,2-Dichloroethane	62	5.099	5.099	0.000	96	655538	200.0	197.9	
64 n-Heptane	57	5.165	5.165	0.000	89	410078	200.0	193.4	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	504914	50.0	50.0	
66 n-Butanol	56	5.592	5.592	0.000	83	442564	5000.0	5493.5	
67 Trichloroethene	95	5.642	5.641	0.001	100	544462	200.0	206.2	
68 Ethyl acrylate	55	5.765	5.765	0.000	97	1512855	200.0	219.0	
69 Methylcyclohexane	83	5.773	5.773	0.000	81	1054783	200.0	209.3	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	94	562715	200.0	207.4	
* 71 1,4-Dioxane-d8	96	5.995	5.995	0.000	0	25514	1000.0	1000.0	
72 Methyl methacrylate	100	6.011	6.011	0.000	84	355605	400.0	430.6	
73 1,4-Dioxane	88	6.044	6.044	0.000	83	109641	4000.0	3901.1	
74 n-Propyl acetate	43	6.061	6.060	0.001	97	797241	200.0	208.7	
75 Dibromomethane	93	6.052	6.060	-0.008	95	334129	200.0	201.6	
76 Dichlorobromomethane	83	6.200	6.200	0.000	99	689060	200.0	212.0	
77 2-Nitropropane	41	6.537	6.537	0.000	80	262358	400.0	410.6	
78 2-Chloroethyl vinyl ether	63	6.545	6.545	0.000	76	343095	200.5	218.5	
79 Epichlorohydrin	57	6.652	6.644	0.008	99	1386190	4000.0	4438.2	
80 cis-1,3-Dichloropropene	75	6.702	6.701	0.001	89	937480	200.0	203.1	
81 4-Methyl-2-pentanone (MIBK)	43	6.866	6.866	0.000	94	3091108	1000.0	1061.4	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	99	507591	50.0	48.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	7.022	7.022	0.000	93	2493107	200.0	201.1	
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	91	842569	200.0	215.3	
85 Ethyl methacrylate	69	7.400	7.408	-0.008	87	846084	200.0	214.8	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	97	437043	200.0	204.7	
87 Tetrachloroethene	166	7.630	7.630	0.000	95	487247	200.0	201.2	
88 1,3-Dichloropropane	76	7.794	7.794	0.000	91	908165	200.0	203.3	
89 2-Hexanone	43	7.860	7.860	0.000	93	2136074	1000.0	1133.1	
90 n-Butyl acetate	43	7.975	7.975	0.000	98	891642	200.0	204.6	
91 Chlorodibromomethane	129	8.016	8.016	0.000	98	506316	200.0	212.4	
92 Ethylene Dibromide	107	8.172	8.172	0.000	98	505287	200.0	209.2	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	86	376882	50.0	50.0	
94 Chlorobenzene	112	8.764	8.756	0.008	94	1556111	200.0	205.9	
95 Ethylbenzene	106	8.871	8.871	0.000	98	867734	200.0	198.8	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	95	520551	200.0	210.3	
97 m-Xylene & p-Xylene	106	9.027	9.027	0.000	0	1084744	200.0	207.9	
98 n-Butyl acrylate	73	9.471	9.479	-0.008	98	511450	200.0	211.5	
99 o-Xylene	106	9.487	9.487	0.000	94	1104790	200.0	206.2	
100 Styrene	104	9.512	9.512	0.000	96	1788100	200.0	208.0	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	92	1084830	200.0	216.6	
102 Bromoform	173	9.717	9.717	0.000	96	317554	200.0	208.9	
103 Isopropylbenzene	105	9.840	9.840	0.000	95	2914681	200.0	213.6	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	85	133828	50.0	48.7	
105 Bromobenzene	156	10.136	10.136	0.000	95	588234	200.0	208.0	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	99	742656	200.0	209.5	
107 N-Propylbenzene	91	10.202	10.202	0.000	99	3571020	200.0	217.2	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	99	206682	200.0	198.9	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	86	182869	200.0	207.6	
110 2-Chlorotoluene	91	10.292	10.292	0.000	96	2337577	200.0	213.5	
111 4-Ethyltoluene	105	10.301	10.300	0.001	98	2744319	200.0	210.5	
112 1,3,5-Trimethylbenzene	105	10.358	10.358	0.000	92	2491881	200.0	222.3	
113 4-Chlorotoluene	91	10.383	10.383	0.000	97	2022944	200.0	209.2	
114 Butyl Methacrylate	87	10.440	10.440	0.000	86	919269	200.0	224.7	
115 tert-Butylbenzene	119	10.596	10.588	0.008	95	1986700	200.0	224.9	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	97	2555100	200.0	219.0	
117 sec-Butylbenzene	105	10.753	10.752	0.000	99	3246849	200.0	224.8	
119 1,3-Dichlorobenzene	146	10.851	10.851	0.000	92	1143087	200.0	201.0	
118 4-Isopropyltoluene	119	10.859	10.859	0.000	98	2704485	200.0	226.0	
* 120 1,4-Dichlorobenzene-d4	152	10.909	10.908	0.001	95	188231	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	94	1168819	200.0	200.8	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	98	2634642	200.0	217.2	
123 Benzyl chloride	91	11.024	11.024	0.000	99	1441814	200.0	225.4	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	94	2508604	200.0	210.4	
125 p-Diethylbenzene	119	11.114	11.114	0.000	93	1388626	200.0	210.6	
126 n-Butylbenzene	92	11.130	11.130	0.000	97	1450089	200.0	214.3	
127 1,2-Dichlorobenzene	146	11.172	11.171	0.001	95	1210042	200.0	203.4	
128 1,2,4,5-Tetramethylbenzene	119	11.591	11.590	0.001	97	2657235	200.0	221.2	
129 1,2-Dibromo-3-Chloropropane	157	11.656	11.664	-0.008	97	166903	200.0	206.9	
130 1,3,5-Trichlorobenzene	180	11.747	11.747	0.000	97	917102	200.0	200.2	
131 1,2,4-Trichlorobenzene	180	12.133	12.141	-0.008	94	879068	200.0	201.6	
132 Hexachlorobutadiene	225	12.207	12.207	0.000	94	334097	200.0	210.1	
133 Naphthalene	128	12.306	12.314	-0.008	99	2828307	200.0	213.8	
134 1,2,3-Trichlorobenzene	180	12.462	12.470	-0.008	95	841895	200.0	206.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,2-Dichloroethene, Total	100				0		400.0	405.6	
S 136 Xylenes, Total	100				0		400.0	414.1	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8FreonHi_00020	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	20.00	Units: uL	
GAS Hi_00364	Amount Added:	20.00	Units: uL	
MIX I Hi_00127	Amount Added:	20.00	Units: uL	
Ethanol mix_00041	Amount Added:	20.00	Units: uL	
MIX 2 Hi_00099	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 02-Jul-2020 19:36:43 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

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Injection Date: 01-Jul-2020 18:20:30 Instrument ID: CVOAMS6 Operator ID:

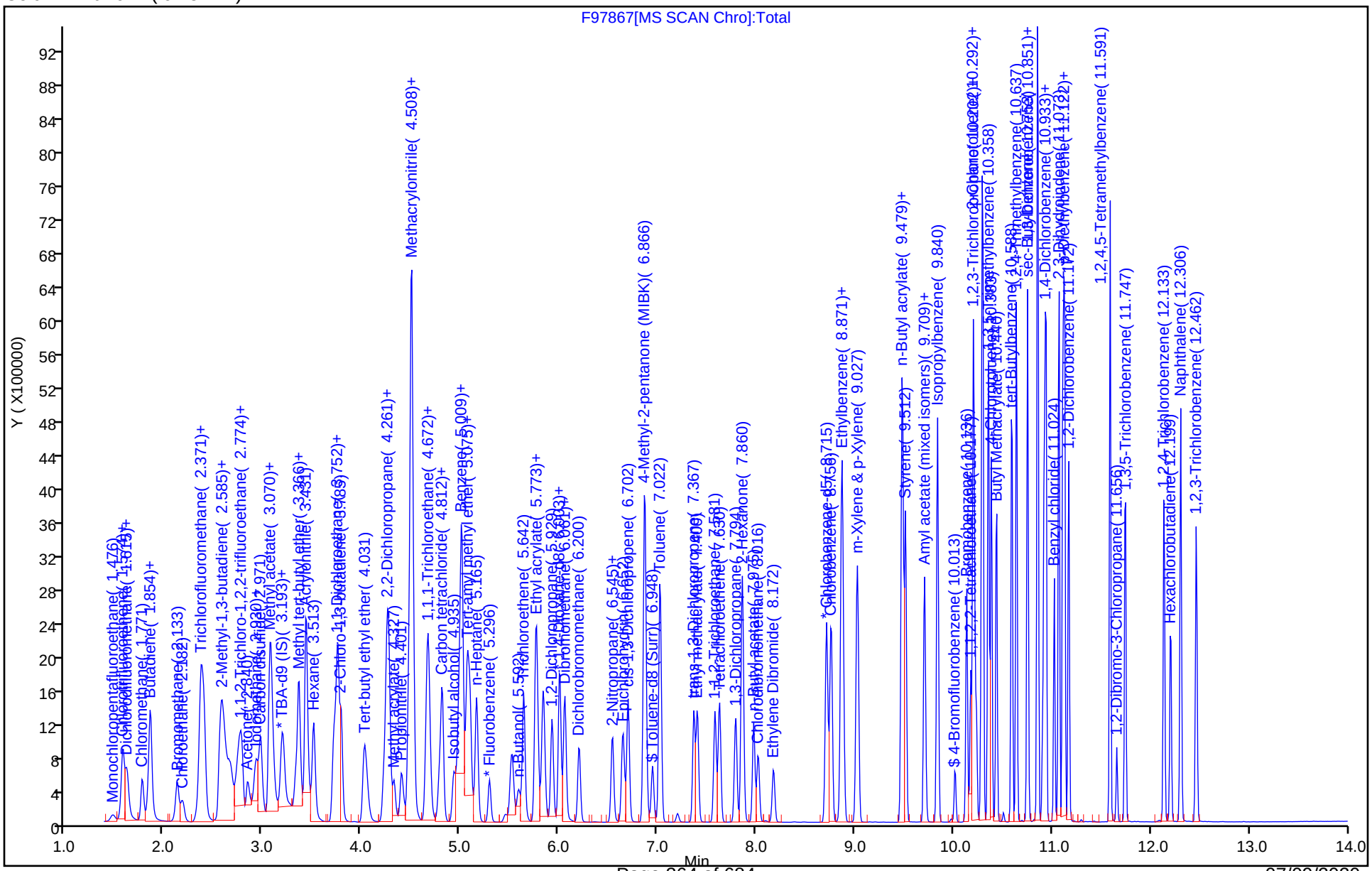
Lims ID: STD200 Worklist Smp#: 9

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

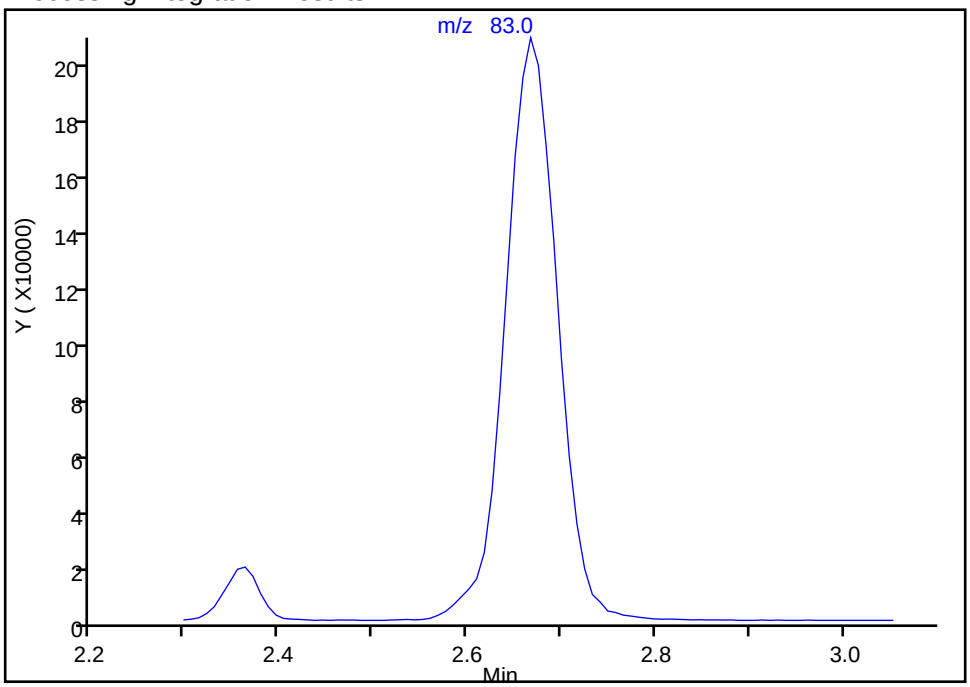
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Injection Date: 01-Jul-2020 18:20:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

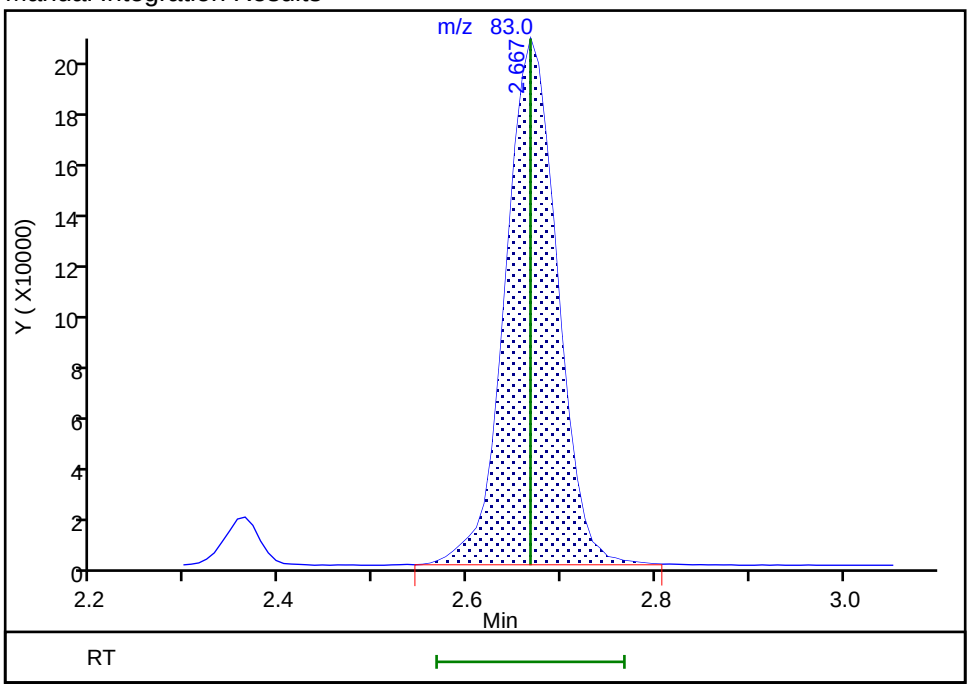
Not Detected
Expected RT: 2.67

Processing Integration Results



Manual Integration Results

RT: 2.67
Area: 770016
Amount: 203.2007
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:13:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

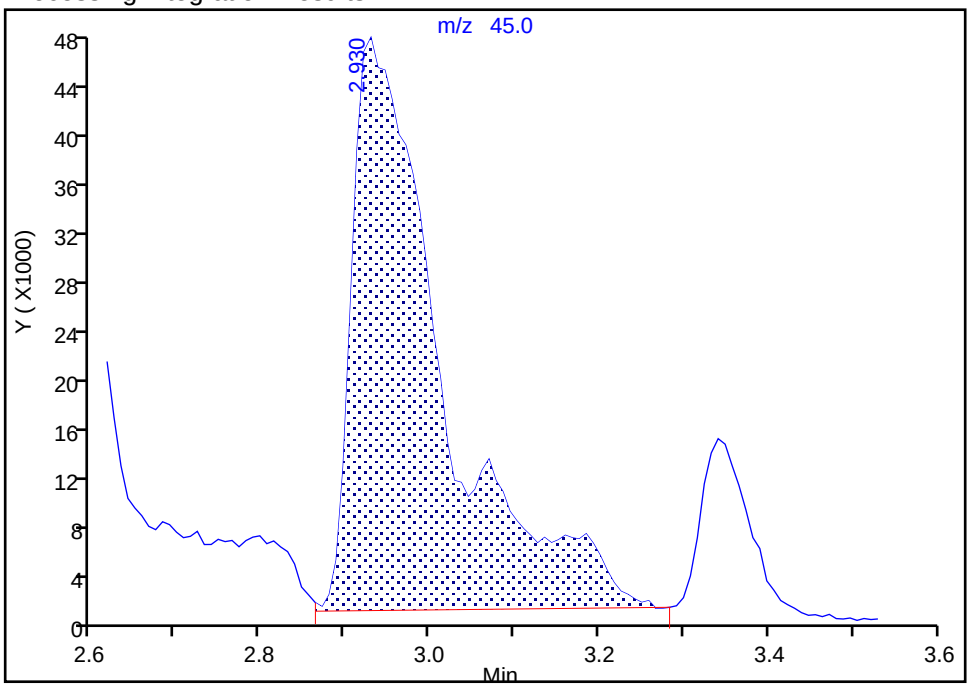
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Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

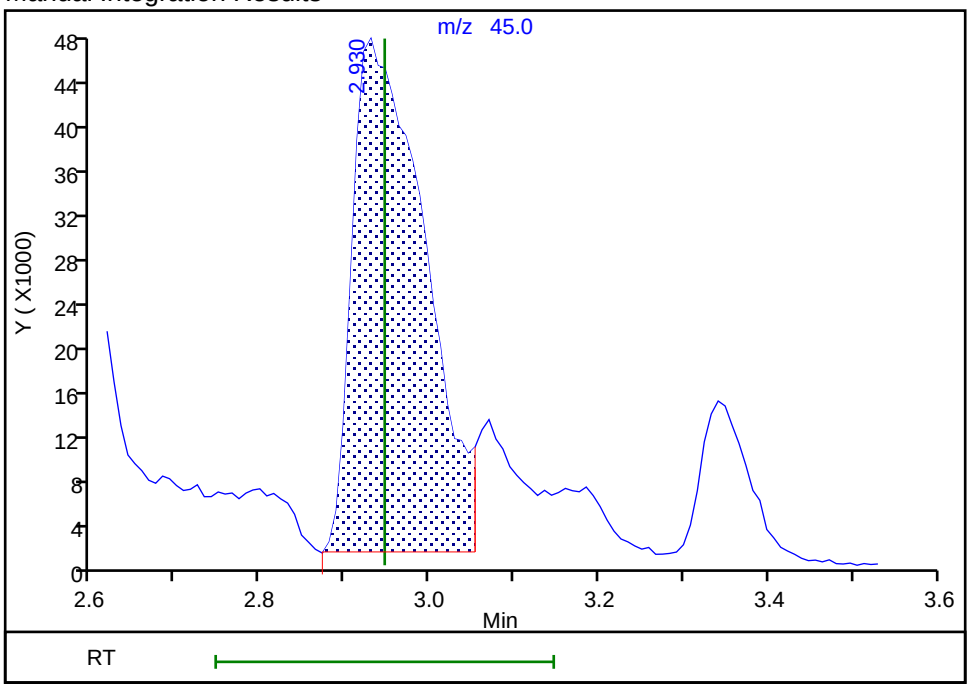
Processing Integration Results

RT: 2.93
Area: 347955
Amount: 2071.3998
Amount Units: ug/l



Manual Integration Results

RT: 2.93
Area: 276525
Amount: 2249.5655
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 13:07:09
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

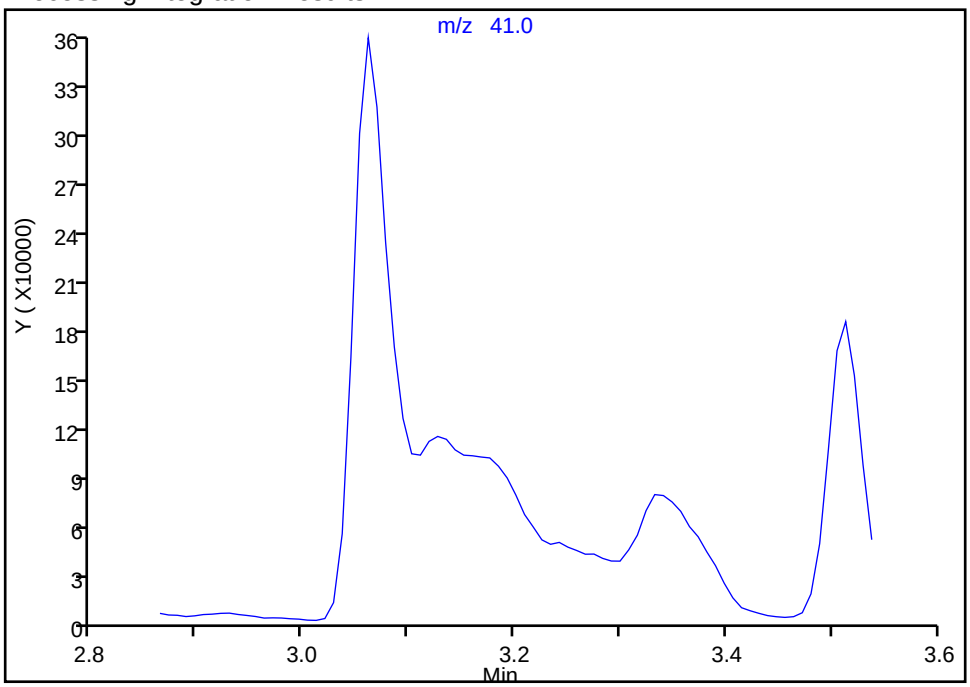
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Injection Date: 01-Jul-2020 18:20:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

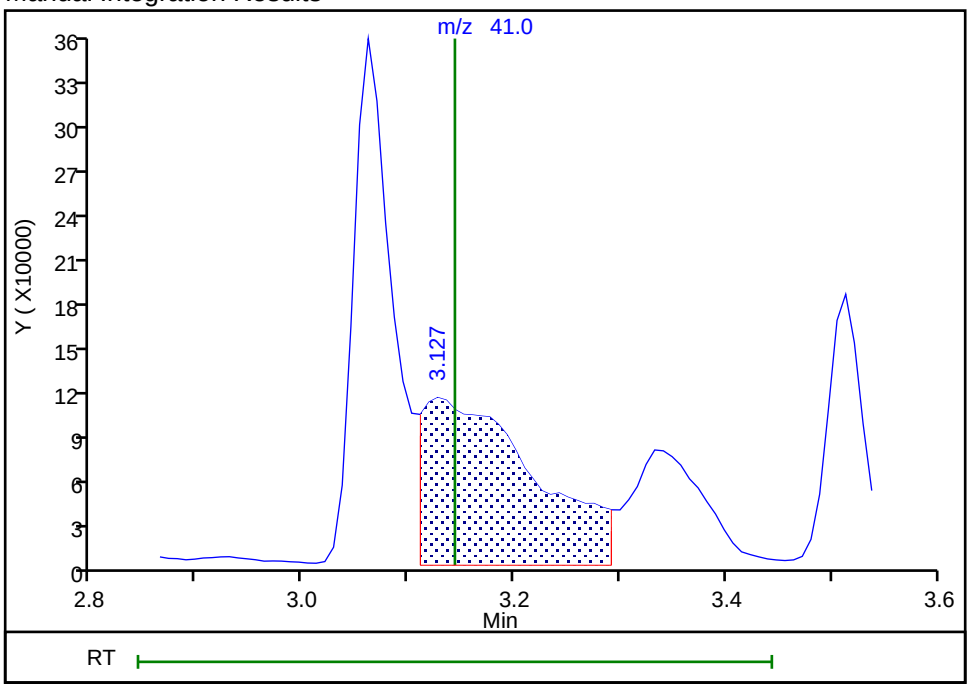
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 841870
Amount: 2412.8141
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:13:37
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

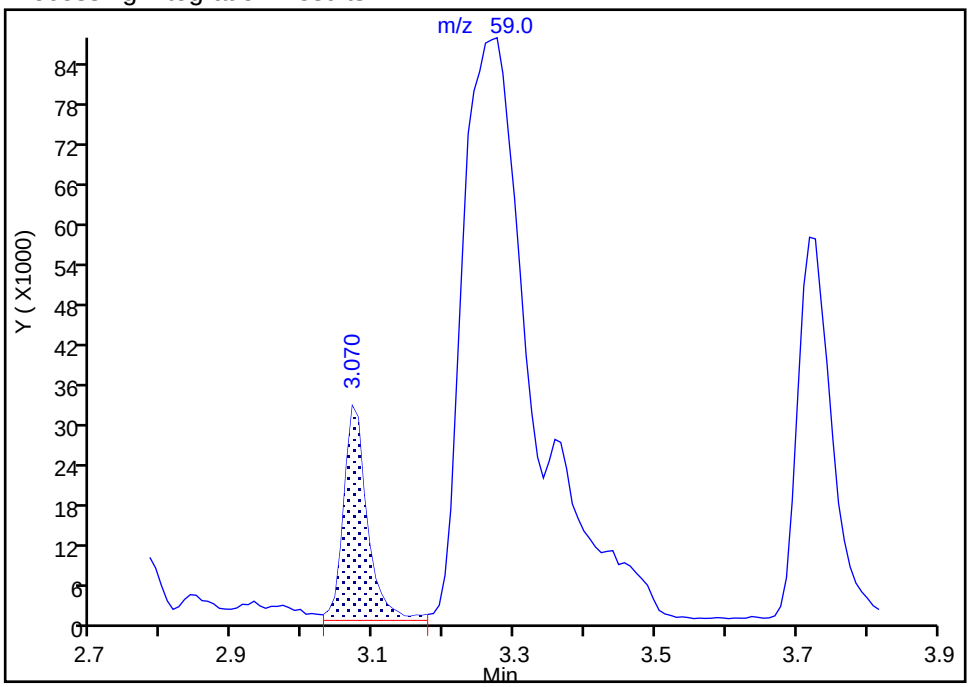
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Injection Date: 01-Jul-2020 18:20:30 Instrument ID: CVOAMS6
Lims ID: STD200
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

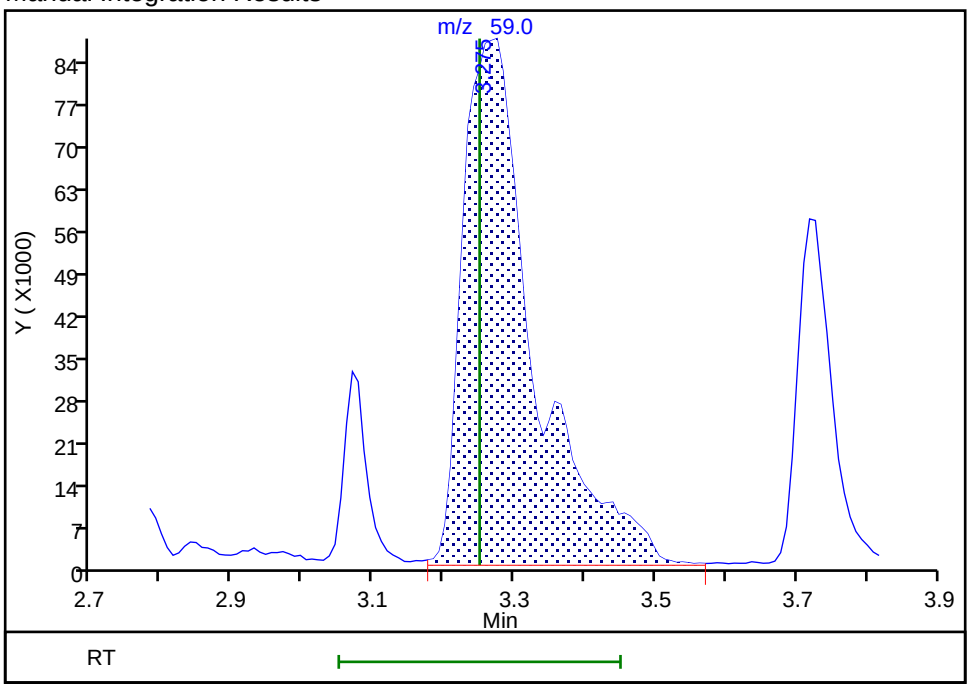
Processing Integration Results

RT: 3.07
Area: 75521
Amount: 358.5465
Amount Units: ug/l



Manual Integration Results

RT: 3.28
Area: 620376
Amount: 1995.4582
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 15:27:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D
Lims ID: STD500
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 01-Jul-2020 18:44:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: STD500
Misc. Info.: 460-0112547-010
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jul-2020 19:36:55 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: kluseys Date: 01-Jul-2020 19:13:12

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
1 Monochloropentafluoroethane	119	1.475	1.475	0.000	88	135516	500.0	488.0	
3 Chlorotrifluoroethene	116	1.566	1.574	-0.008	88	580550	500.0	511.6	
2 1,1-Difluoroethane	51	1.574	1.582	-0.008	94	1346694	500.0	495.8	
4 Dichlorodifluoromethane	85	1.599	1.607	-0.008	99	1828963	500.0	531.0	
5 Chlorodifluoromethane	51	1.615	1.623	-0.008	98	1843845	500.0	544.9	
6 Chloromethane	50	1.771	1.771	0.000	99	1704670	500.0	485.1	
7 Butadiene	54	1.845	1.853	-0.008	93	1575113	500.0	507.6	
8 Vinyl chloride	62	1.853	1.862	-0.009	98	1784506	500.0	510.6	
9 Bromomethane	94	2.125	2.133	-0.008	99	852691	500.0	392.7	
10 Chloroethane	64	2.174	2.182	-0.008	99	811415	500.0	425.6	
11 Dichlorofluoromethane	67	2.355	2.363	-0.008	99	2572433	500.0	541.4	
12 Trichlorofluoromethane	101	2.371	2.379	-0.008	97	2000049	500.0	554.9	
13 Pentane	72	2.396	2.388	0.008	97	572152	1000.0	1117.2	
14 Ethanol	46	2.560	2.560	0.000	92	221170	20000	20999	
15 Ethyl ether	59	2.552	2.560	-0.008	95	1012527	500.0	500.9	
16 2-Methyl-1,3-butadiene	53	2.577	2.577	-0.001	93	1215541	500.0	521.3	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	2.618	2.618	0.000	88	1109700	500.0	522.0	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	2.667	2.667	0.000	93	1873494	500.0	508.8	a
19 Acrolein	56	2.724	2.733	-0.009	77	75588	400.0	408.4	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.741	2.749	-0.008	95	1254690	500.0	507.1	
21 1,1-Dichloroethene	96	2.782	2.782	0.000	98	1314071	500.0	518.7	
22 Acetone	43	2.839	2.848	-0.009	89	1957608	2500.0	2482.3	
23 Iodomethane	142	2.922	2.930	-0.008	97	2138433	500.0	514.6	
24 Isopropyl alcohol	45	2.930	2.946	-0.016	98	585875	5000.0	4814.7	M
25 Carbon disulfide	76	2.971	2.971	0.000	99	5248453	500.0	518.4	
26 3-Chloro-1-propene	41	3.061	3.061	0.000	98	3182139	500.0	679.0	
27 Methyl acetate	43	3.070	3.078	-0.008	98	1962667	1000.0	914.6	
28 Cyclopentene	67	3.086	3.086	0.000	94	3563584	500.0	517.8	
29 Acetonitrile	41	3.119	3.143	-0.024	99	1629420	5000.0	5371.3	Ma
* 31 TBA-d9 (IS)	65	3.201	3.185	0.016	0	240583	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
30 Methylene Chloride	84	3.201	3.193	0.008	90	1558216	500.0	505.9	
32 2-Methyl-2-propanol	59	3.259	3.250	0.008	54	1245860	5000.0	4609.2	a
33 Methyl tert-butyl ether	73	3.341	3.349	-0.008	96	3005960	500.0	475.0	
34 trans-1,2-Dichloroethene	96	3.365	3.365	0.000	95	1305465	500.0	509.0	
35 Acrylonitrile	53	3.431	3.439	-0.008	96	5890456	5000.0	5008.7	
36 Hexane	43	3.513	3.513	0.000	89	932509	500.0	435.6	
37 Isopropyl ether	45	3.719	3.727	-0.008	97	3614794	500.0	488.2	
38 1,1-Dichloroethane	63	3.752	3.752	0.000	99	2223763	500.0	515.7	
39 Vinyl acetate	86	3.760	3.768	-0.008	100	628072	1000.0	1112.4	
40 2-Chloro-1,3-butadiene	88	3.793	3.793	0.000	88	1183979	500.0	519.0	
41 Tert-butyl ethyl ether	59	4.031	4.031	0.000	89	3304966	500.0	486.3	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	314144	250.0	250.0	a
43 2,2-Dichloropropane	97	4.245	4.245	0.000	92	398359	500.0	500.9	
44 cis-1,2-Dichloroethene	96	4.253	4.253	0.000	98	1372024	500.0	491.9	
45 Ethyl acetate	70	4.277	4.277	0.000	97	329536	1000.0	957.8	
46 2-Butanone (MEK)	72	4.269	4.277	-0.008	97	914429	2500.0	2210.3	
47 Methyl acrylate	55	4.327	4.327	0.000	100	1256679	500.0	445.1	
48 Propionitrile	54	4.401	4.409	-0.008	99	2230224	5000.0	5357.0	
50 Chlorobromomethane	128	4.475	4.475	0.000	92	634938	500.0	474.4	
49 Tetrahydrofuran	72	4.475	4.483	-0.008	79	395783	1000.0	876.5	
51 Methacrylonitrile	67	4.507	4.508	-0.001	89	6378454	5000.0	4853.9	
52 Chloroform	83	4.524	4.524	0.000	99	1940803	500.0	482.1	
53 Cyclohexane	84	4.664	4.664	0.000	88	2333678	500.0	523.4	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	95	107867	50.0	49.6	
54 1,1,1-Trichloroethane	97	4.680	4.680	0.000	98	1856060	500.0	522.3	
56 Carbon tetrachloride	117	4.795	4.795	0.000	98	1547783	500.0	541.6	
57 1,1-Dichloropropene	75	4.812	4.820	-0.008	99	1705692	500.0	491.1	
58 Isobutyl alcohol	43	4.935	4.935	0.000	95	1339504	12500	15787	
59 Benzene	78	5.009	5.017	-0.008	95	5537382	500.0	468.5	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	144948	50.0	53.9	
61 Isopropyl acetate	43	5.066	5.066	0.000	96	3351489	500.0	472.5	
62 Tert-amyl methyl ether	73	5.083	5.074	0.009	90	3516104	500.0	484.7	
63 1,2-Dichloroethane	62	5.099	5.099	0.000	95	1553317	500.0	482.5	
64 n-Heptane	57	5.165	5.165	0.000	88	920223	500.0	446.6	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	490637	50.0	50.0	
66 n-Butanol	56	5.584	5.592	-0.008	83	975781	12500	13931	
67 Trichloroethene	95	5.641	5.641	0.000	99	1259345	500.0	490.9	
68 Ethyl acrylate	55	5.765	5.765	0.000	98	3736935	500.0	556.8	
69 Methylcyclohexane	83	5.773	5.773	0.000	83	2603960	500.0	531.6	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	94	1338222	500.0	507.5	
* 71 1,4-Dioxane-d8	96	5.978	5.995	-0.017	0	30765	1000.0	1000.0	
72 Methyl methacrylate	100	6.011	6.011	0.000	84	855300	1000.0	1065.8	
73 1,4-Dioxane	88	6.044	6.044	0.000	86	246383	10000	7270.2	
74 n-Propyl acetate	43	6.060	6.060	0.000	97	1863345	500.0	502.1	
75 Dibromomethane	93	6.052	6.060	-0.008	94	789151	500.0	490.0	
76 Dichlorobromomethane	83	6.200	6.200	0.000	99	1669659	500.0	528.7	
77 2-Nitropropane	41	6.537	6.537	0.000	80	649768	1000.0	1046.5	
78 2-Chloroethyl vinyl ether	63	6.545	6.545	0.000	75	860393	501.2	563.9	
79 Epichlorohydrin	57	6.652	6.644	0.008	98	3042209	10000	10032	
80 cis-1,3-Dichloropropene	75	6.701	6.701	0.000	89	2300565	500.0	495.5	
81 4-Methyl-2-pentanone (MIBK)	43	6.866	6.866	0.000	94	7055505	2500.0	2495.2	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	98	497414	50.0	47.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
83 Toluene	91	7.022	7.022	0.000	93	6013443	500.0	482.1	
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	94	2116932	500.0	537.6	
85 Ethyl methacrylate	69	7.408	7.408	0.000	86	2072520	500.0	522.9	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	97	1056444	500.0	491.9	
87 Tetrachloroethene	166	7.630	7.630	0.000	93	1150297	500.0	472.1	
88 1,3-Dichloropropane	76	7.794	7.794	0.000	90	2238090	500.0	498.0	
89 2-Hexanone	43	7.860	7.860	0.000	94	4760338	2500.0	2600.8	
90 n-Butyl acetate	43	7.975	7.975	0.000	98	2233266	500.0	509.3	
91 Chlorodibromomethane	129	8.024	8.016	0.008	98	1245531	500.0	519.3	
92 Ethylene Dibromide	107	8.180	8.172	0.008	98	1248554	500.0	513.9	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	88	379172	50.0	50.0	
94 Chlorobenzene	112	8.764	8.756	0.008	94	3872533	500.0	509.4	
95 Ethylbenzene	106	8.871	8.871	0.000	98	2123017	500.0	483.4	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	96	1251063	500.0	502.3	
97 m-Xylene & p-Xylene	106	9.027	9.027	0.000	0	2648695	500.0	504.6	
98 n-Butyl acrylate	73	9.471	9.479	-0.009	98	1296871	500.0	533.2	
99 o-Xylene	106	9.487	9.487	0.000	93	2637965	500.0	489.4	
100 Styrene	104	9.512	9.512	0.000	96	4432572	500.0	512.4	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	92	2745006	500.0	551.4	
102 Bromoform	173	9.717	9.717	0.000	95	760709	500.0	497.3	
103 Isopropylbenzene	105	9.840	9.840	0.000	95	7011891	500.0	510.8	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	84	136567	50.0	49.4	
105 Bromobenzene	156	10.136	10.136	0.000	94	1419611	500.0	505.1	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	99	1834240	500.0	520.4	
107 N-Propylbenzene	91	10.202	10.202	0.000	99	8438680	500.0	516.4	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	98	482786	500.0	467.4	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	80	444783	500.0	508.0	
110 2-Chlorotoluene	91	10.292	10.292	0.000	95	5717833	500.0	525.3	
111 4-Ethyltoluene	105	10.300	10.300	0.000	98	6777951	500.0	522.9	
112 1,3,5-Trimethylbenzene	105	10.358	10.358	0.000	92	6086919	500.0	546.2	
113 4-Chlorotoluene	91	10.383	10.383	0.000	97	5113272	500.0	531.9	
114 Butyl Methacrylate	87	10.440	10.440	0.000	85	2346707	500.0	577.1	
115 tert-Butylbenzene	119	10.588	10.588	0.000	94	4827790	500.0	549.7	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	97	6175994	500.0	532.4	
117 sec-Butylbenzene	105	10.752	10.752	0.000	99	7586463	500.0	528.4	
119 1,3-Dichlorobenzene	146	10.851	10.851	0.000	92	2561578	500.0	453.1	
118 4-Isopropyltoluene	119	10.859	10.859	0.000	98	6107573	500.0	513.3	
* 120 1,4-Dichlorobenzene-d4	152	10.908	10.908	0.000	96	187118	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	94	2775312	500.0	479.5	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	98	6433284	500.0	533.6	
123 Benzyl chloride	91	11.023	11.024	-0.001	99	3592120	500.0	564.8	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	94	6014045	500.0	507.4	
125 p-Diethylbenzene	119	11.114	11.114	0.000	93	3340630	500.0	509.6	
126 n-Butylbenzene	92	11.130	11.130	0.000	97	3461989	500.0	514.6	
127 1,2-Dichlorobenzene	146	11.171	11.171	0.000	94	2887635	500.0	488.3	
128 1,2,4,5-Tetramethylbenzene	119	11.590	11.590	0.000	97	6118782	500.0	512.4	
129 1,2-Dibromo-3-Chloropropane	157	11.656	11.664	-0.008	97	370396	500.0	461.9	
130 1,3,5-Trichlorobenzene	180	11.747	11.747	0.000	96	2048822	500.0	450.0	
131 1,2,4-Trichlorobenzene	180	12.133	12.141	-0.008	94	1928974	500.0	445.1	
132 Hexachlorobutadiene	225	12.199	12.207	-0.009	93	719222	500.0	455.0	
133 Naphthalene	128	12.305	12.314	-0.009	99	6424232	500.0	488.6	
134 1,2,3-Trichlorobenzene	180	12.461	12.470	-0.009	95	1849382	500.0	455.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 135 1,2-Dichloroethene, Total	100				0		1000.0	1000.9	
S 136 Xylenes, Total	100				0		1000.0	994.1	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8FreonHi_00020	Amount Added:	50.00	Units: uL	
ACROLEIN W_00108	Amount Added:	40.00	Units: uL	
GAS Hi_00364	Amount Added:	50.00	Units: uL	
MIX I Hi_00127	Amount Added:	50.00	Units: uL	
Ethanol mix_00041	Amount Added:	50.00	Units: uL	
MIX 2 Hi_00099	Amount Added:	50.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 02-Jul-2020 19:37:00 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Injection Date: 01-Jul-2020 18:44:30 Instrument ID: CVOAMS6 Operator ID:

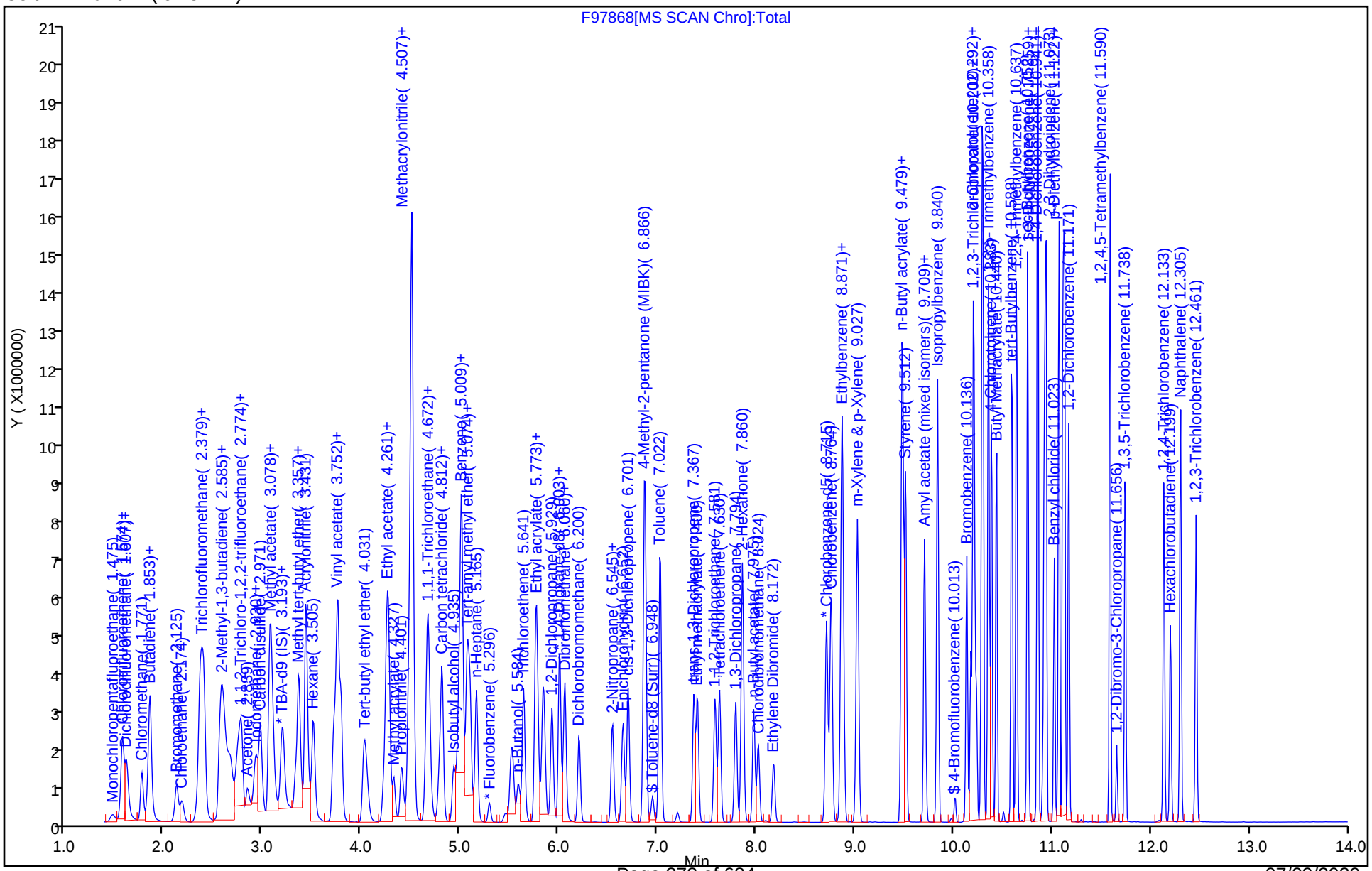
Lims ID: STD500 Worklist Smp#: 10

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

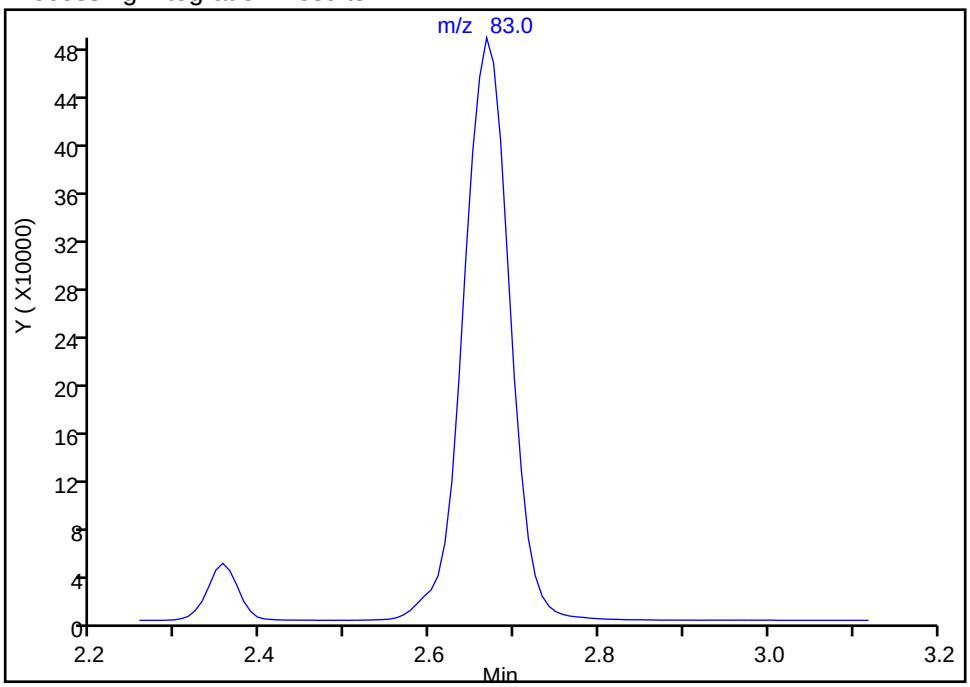
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Injection Date: 01-Jul-2020 18:44:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

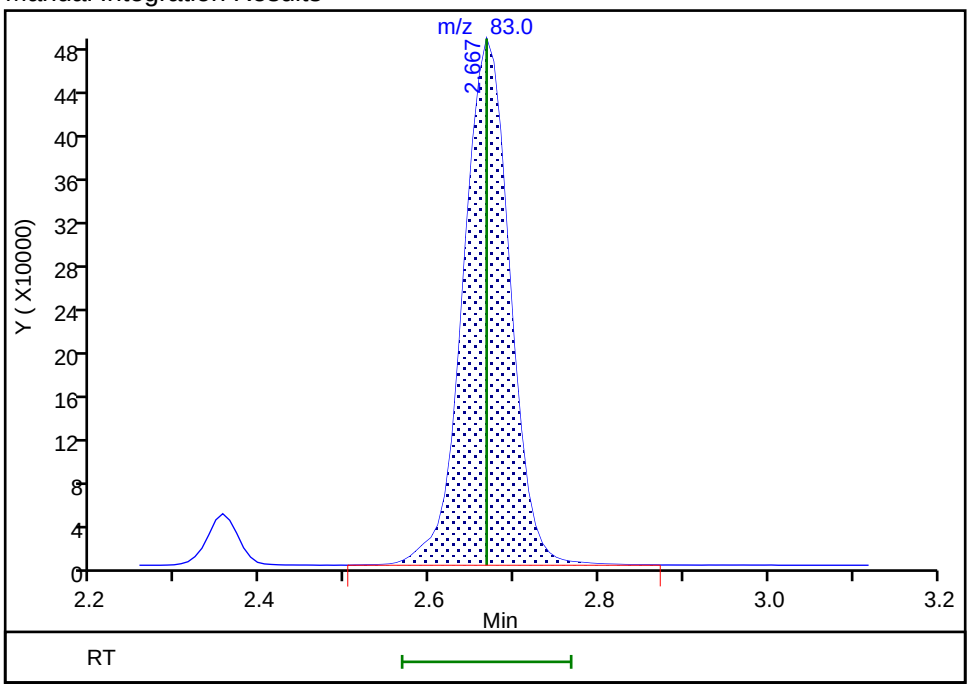
Not Detected
Expected RT: 2.67

Processing Integration Results



Manual Integration Results

RT: 2.67
Area: 1873494
Amount: 508.7856
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:12:33
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

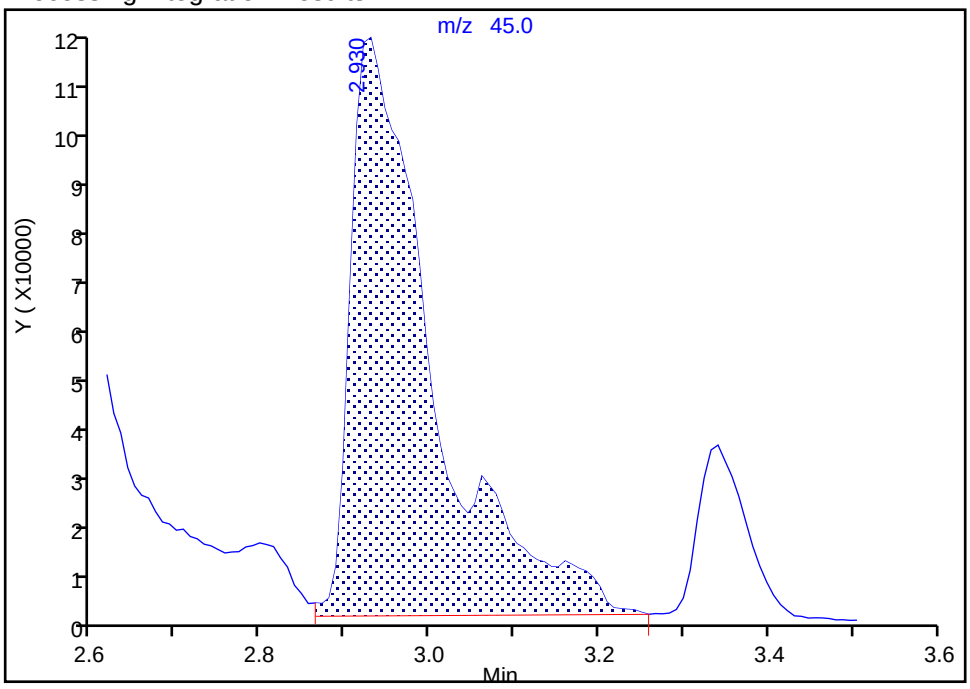
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Injection Date: 01-Jul-2020 18:44:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

24 Isopropyl alcohol, CAS: 67-63-0

Signal: 1

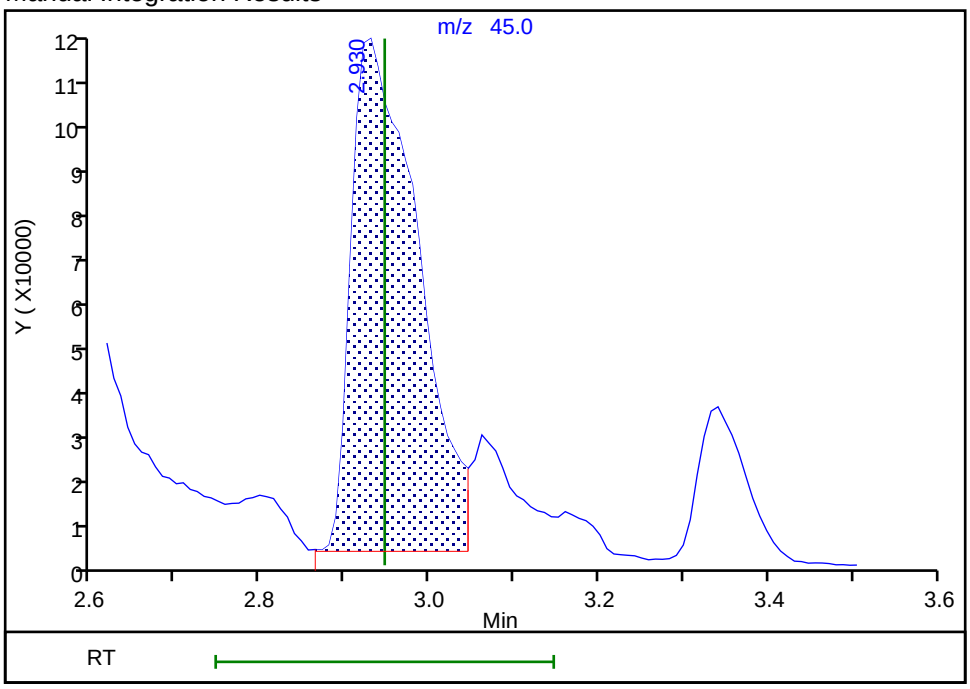
Processing Integration Results

RT: 2.93
Area: 737333
Amount: 4998.8770
Amount Units: ug/l



Manual Integration Results

RT: 2.93
Area: 585875
Amount: 4814.6589
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 13:08:02
Audit Action: Manually Integrated Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

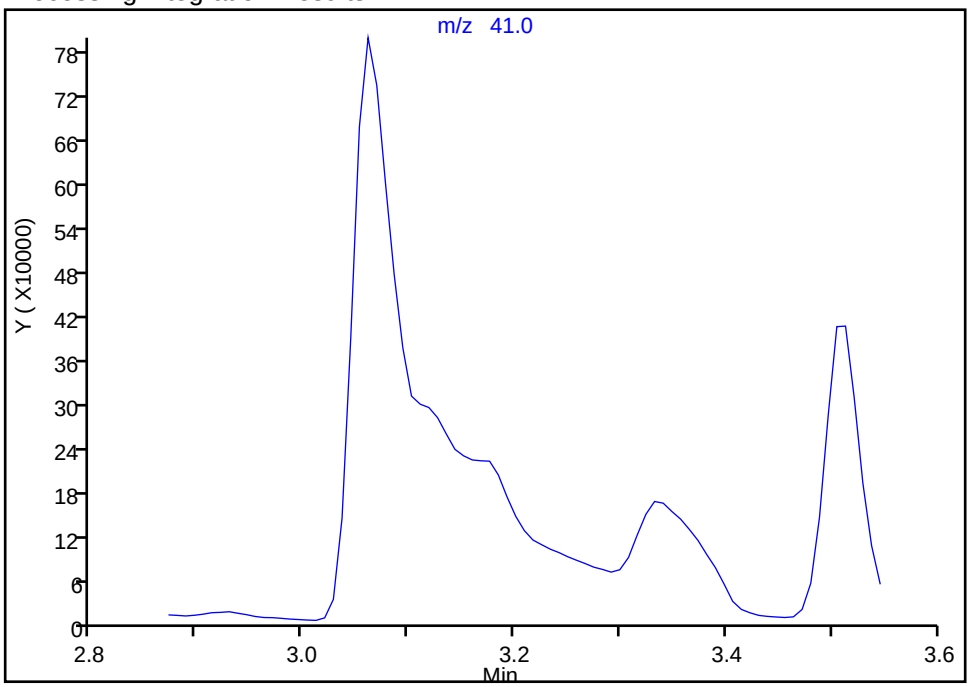
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Injection Date: 01-Jul-2020 18:44:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

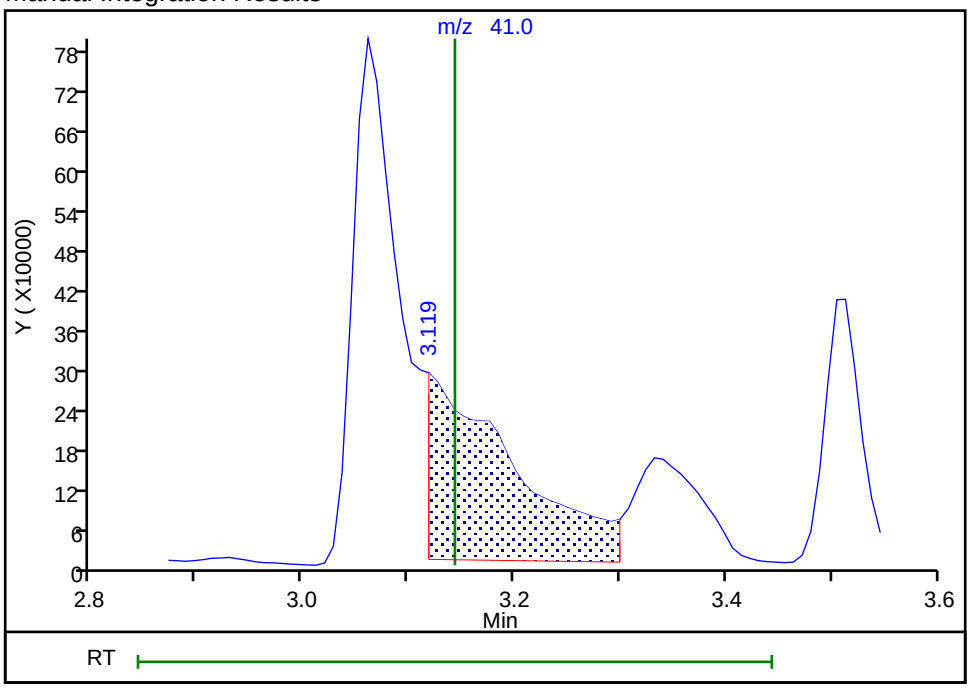
Not Detected
Expected RT: 3.14

Processing Integration Results



Manual Integration Results

RT: 3.12
Area: 1629420
Amount: 5371.2639
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 11:54:31
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

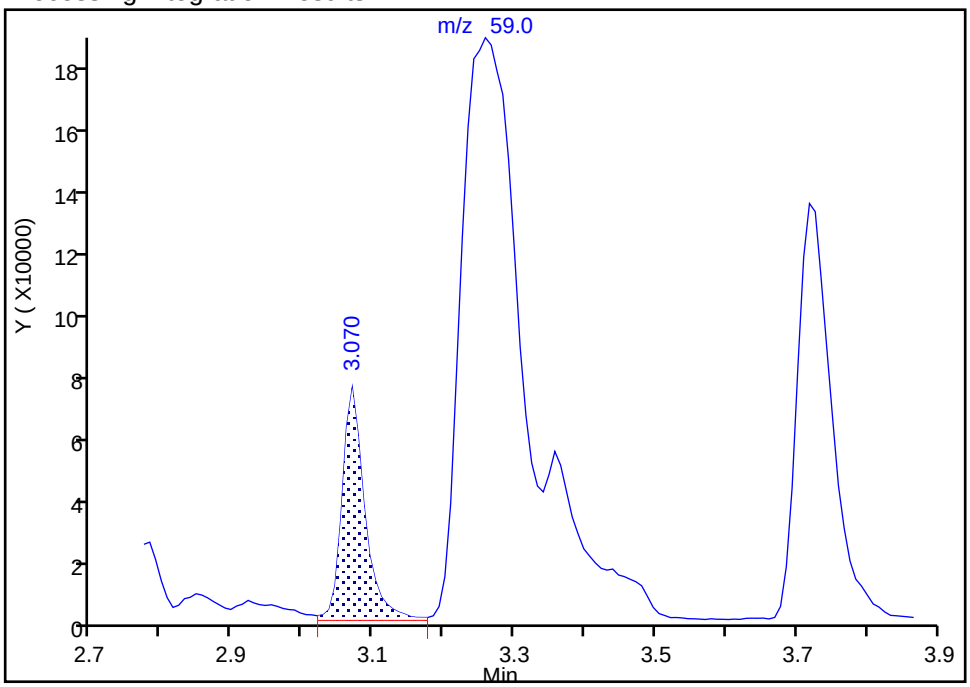
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Injection Date: 01-Jul-2020 18:44:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

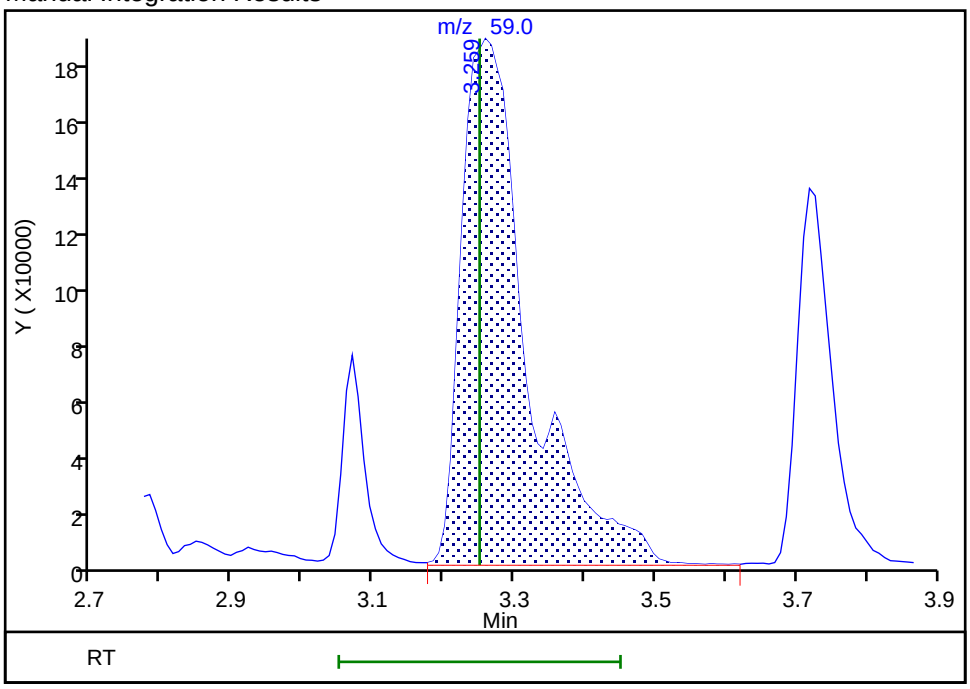
Processing Integration Results

RT: 3.07
Area: 170582
Amount: 766.2977
Amount Units: ug/l



Manual Integration Results

RT: 3.26
Area: 1245860
Amount: 4609.1572
Amount Units: ug/l



Reviewer: kluseys, 02-Jul-2020 15:28:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

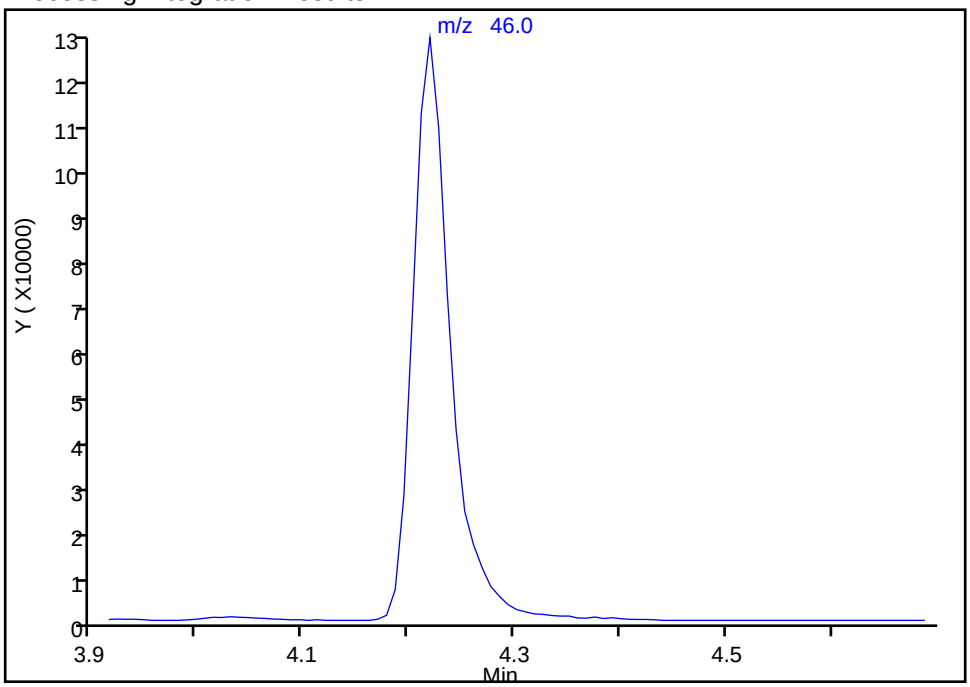
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D
Injection Date: 01-Jul-2020 18:44:30 Instrument ID: CVOAMS6
Lims ID: STD500
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 42 2-Butanone-d5, CAS: 24313-50-6

Signal: 1

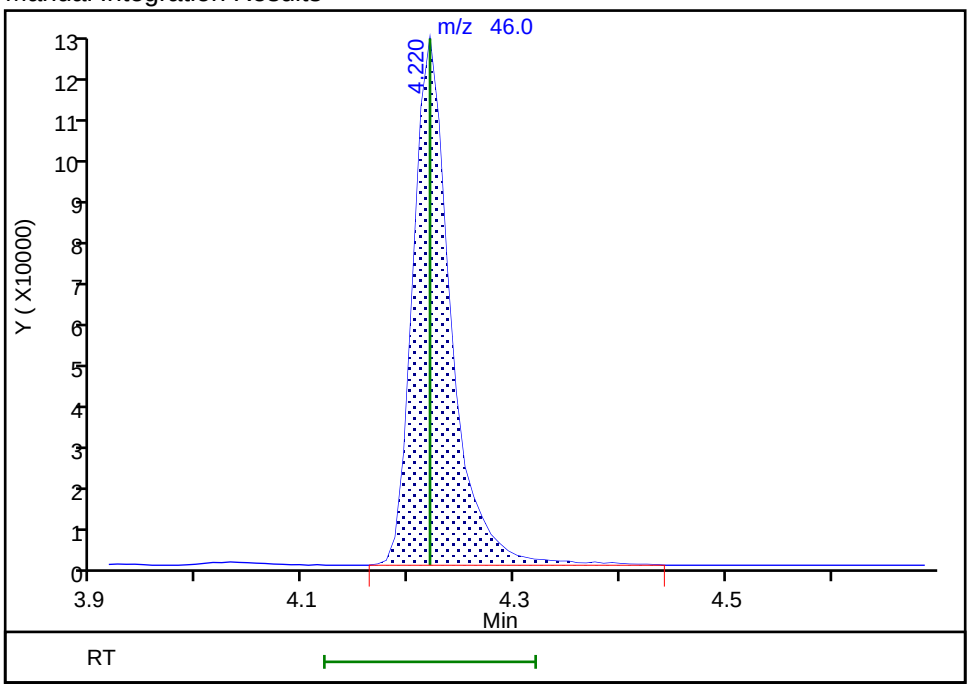
Not Detected
Expected RT: 4.22

Processing Integration Results



Manual Integration Results

RT: 4.22
Area: 314144
Amount: 250.0000
Amount Units: ug/l



Reviewer: kluseys, 01-Jul-2020 19:12:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706284/3 Calibration Date: 07/06/2020 19:27

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A90784.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.4313	0.2196	0.1000	10.2	20.0	-49.1*	20.0
Chloromethane	Ave	0.5140	0.3459	0.1000	13.5	20.0	-32.7*	20.0
Vinyl chloride	Ave	0.4972	0.3956	0.1000	15.9	20.0	-20.4*	20.0
Butadiene	Ave	0.4093	0.2525		12.3	20.0	-38.3*	20.0
Bromomethane	Ave	0.3410	0.2954	0.1000	17.3	20.0	-13.4	50.0
Chloroethane	Ave	0.2776	0.2374	0.1000	17.1	20.0	-14.5	50.0
Trichlorofluoromethane	Ave	0.4533	0.4173	0.1000	18.4	20.0	-8.0	20.0
Dichlorofluoromethane	Ave	0.6095	0.5457		17.9	20.0	-10.5	20.0
Pentane	Ave	2.371	2.333		39.4	40.0	-1.6	20.0
Ethyl ether	Ave	0.2438	0.2079		17.1	20.0	-14.7	20.0
Ethanol	Ave	0.0775	0.0619		638	800	-20.2	50.0
2-Methyl-1,3-butadiene	Ave	0.2809	0.2370		16.9	20.0	-15.6	20.0
Acrolein	QuaF		1.407		108	40.0	169.7*	50.0
Freon TF	Ave	0.3110	0.2831	0.1000	18.2	20.0	-9.0	20.0
1,1-Dichloroethene	Ave	0.2945	0.2830	0.1000	19.2	20.0	-3.9	20.0
Acetone	Ave	0.3201	0.2728	0.0500	85.2	100	-14.8	50.0
Iodomethane	Ave	0.5371	0.5548		20.7	20.0	3.3	20.0
Isopropyl alcohol	QuaF		0.7842		230	200	14.8	50.0
Carbon disulfide	Ave	1.152	1.114	0.1000	19.3	20.0	-3.3	50.0
Allyl chloride	Ave	0.2097	0.2011		19.2	20.0	-4.1	20.0
Methyl acetate	Ave	0.2036	0.1712	0.1000	33.6	40.0	-15.9	20.0
Cyclopentene	Ave	0.7782	0.7207		18.5	20.0	-7.4	20.0
Acetonitrile	Ave	1.569	1.380		176	200	-12.1	20.0
Methylene Chloride	Ave	0.3588	0.3371	0.1000	18.8	20.0	-6.1	20.0
2-Methyl-2-propanol	Ave	0.9607	0.9623		200	200	0.2	50.0
MTBE	Ave	0.6758	0.7295	0.1000	21.6	20.0	7.9	20.0
trans-1,2-Dichloroethene	Ave	0.3082	0.2978	0.1000	19.3	20.0	-3.4	20.0
Acrylonitrile	Ave	0.1133	0.1081		191	200	-4.6	20.0
Hexane	Ave	0.2389	0.2248		18.8	20.0	-5.9	20.0
Isopropyl ether	Ave	0.9001	0.8234		18.3	20.0	-8.5	20.0
1,1-Dichloroethane	Ave	0.5073	0.4935	0.2000	19.5	20.0	-2.7	20.0
Vinyl acetate	Ave	1.666	2.521		60.5	40.0	51.3*	20.0
2-Chloro-1,3-butadiene	Ave	0.2493	0.2553		20.5	20.0	2.4	20.0
Tert-butyl ethyl ether	Ave	0.7127	0.7707		21.6	20.0	8.1	20.0
2,2-Dichloropropane	Ave	0.0708	0.0781		22.0	20.0	10.2	20.0
cis-1,2-Dichloroethene	Ave	0.3230	0.3297	0.1000	20.4	20.0	2.1	20.0
2-Butanone	Ave	0.3061	0.3533	0.0500	115	100	15.4	50.0
Ethyl acetate	Ave	0.2421	0.2710		44.8	40.0	11.9	20.0
Methyl acrylate	Ave	0.2028	0.2142		21.1	20.0	5.6	20.0
Propionitrile	Ave	1.697	1.796		212	200	5.8	20.0
Bromochloromethane	Ave	0.1530	0.1659		21.7	20.0	8.5	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706284/3 Calibration Date: 07/06/2020 19:27

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A90784.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.3428	0.3687		43.0	40.0	7.6	20.0
Methacrylonitrile	Ave	0.1120	0.1198		214	200	7.0	20.0
Chloroform	Ave	0.4571	0.4618	0.2000	20.2	20.0	1.0	20.0
Cyclohexane	Ave	0.5226	0.4739	0.1000	18.1	20.0	-9.3	50.0
1,1,1-Trichloroethane	Ave	0.3327	0.3366	0.1000	20.2	20.0	1.2	20.0
Carbon tetrachloride	Qua2		0.2180	0.1000	23.3	20.0	16.6	20.0
1,1-Dichloropropene	Ave	0.3620	0.3650		20.2	20.0	0.8	20.0
Isobutyl alcohol	QuaF		0.2931		653	500	30.6*	20.0
2,2,4-Trimethylpentane	Ave	0.9241	0.9522		20.6	20.0	3.0	20.0
Benzene	Ave	1.545	1.591	0.5000	20.6	20.0	2.9	20.0
Isopropyl acetate	Ave	0.6543	0.6332		19.4	20.0	-3.2	20.0
Tert-amyl methyl ether	Ave	0.2157	0.2488		23.1	20.0	15.3	20.0
1,2-Dichloroethane	Ave	0.3188	0.3181	0.1000	20.0	20.0	-0.2	20.0
n-Heptane	Ave	0.3398	0.3034		17.9	20.0	-10.7	20.0
n-Butanol	QuaF		0.1737		636	500	27.1	50.0
Trichloroethene	Ave	0.2730	0.2675	0.2000	19.6	20.0	-2.0	20.0
Ethyl acrylate	QuaF		0.2748		19.4	20.0	-3.0	20.0
Methylcyclohexane	Ave	0.5062	0.5536	0.1000	21.9	20.0	9.4	50.0
1,2-Dichloropropane	Ave	0.2768	0.2608	0.1000	18.8	20.0	-5.8	20.0
Methyl methacrylate	Ave	0.0572	0.0679		47.4	40.0	18.6	20.0
n-Propyl acetate	Ave	0.2867	0.2702		18.8	20.0	-5.8	20.0
1,4-Dioxane	Ave	1.071	1.173		438	400	9.5	50.0
Dibromomethane	Ave	0.1621	0.1535		18.9	20.0	-5.3	20.0
Bromodichloromethane	Ave	0.2595	0.2696	0.2000	20.8	20.0	3.9	20.0
2-Chloroethyl vinyl ether	Ave	0.1592	0.1490		18.8	20.0	-6.4	20.0
2-Nitropropane	Qua2		0.0245		47.7	40.0	19.3	20.0
Epichlorohydrin	Ave	0.2020	0.2415		478	400	19.6	20.0
cis-1,3-Dichloropropene	Ave	0.4620	0.4934	0.2000	21.4	20.0	6.8	50.0
4-Methyl-2-pentanone	Ave	2.228	2.440	0.0500	110	100	9.5	50.0
Toluene	Ave	1.527	1.579	0.4000	20.7	20.0	3.4	20.0
Ethyl methacrylate	QuaF		0.2924		19.6	20.0	-2.0	20.0
trans-1,3-Dichloropropene	Ave	0.3362	0.4038	0.1000	24.0	20.0	20.1	50.0
1,1,2-Trichloroethane	Ave	0.2609	0.2756	0.1000	21.1	20.0	5.6	20.0
Tetrachloroethene	Ave	0.3588	0.3778	0.2000	21.1	20.0	5.3	20.0
1,3-Dichloropropane	Ave	0.5376	0.5366		20.0	20.0	-0.2	20.0
2-Hexanone	Ave	1.429	1.478	0.0500	103	100	3.5	50.0
n-Butyl acetate	QuaF		0.0880		21.6	20.0	7.9	20.0
Dibromochloromethane	Ave	0.2141	0.2332	0.1000	21.8	20.0	8.9	50.0
1,2-Dibromoethane	Ave	0.2702	0.2955	0.1000	21.9	20.0	9.4	20.0
Chlorobenzene	Ave	0.9454	1.014	0.5000	21.4	20.0	7.2	20.0
Ethylbenzene	Ave	0.5566	0.5663	0.1000	20.3	20.0	1.7	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706284/3 Calibration Date: 07/06/2020 19:27

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A90784.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,1,1,2-Tetrachloroethane	Qua2		0.2808		25.6	20.0	27.9*	20.0
m&p-Xylene	Ave	0.6718	0.6897	0.1000	20.5	20.0	2.7	20.0
n-Butyl acrylate	QuaF		0.2264		21.0	20.0	5.1	20.0
o-Xylene	Ave	0.6839	0.7371	0.3000	21.6	20.0	7.8	20.0
Styrene	Ave	1.052	1.139	0.3000	21.6	20.0	8.2	20.0
Amyl acetate (mixed isomers)	QuaF		0.8611		16.2	20.0	-19.2	20.0
Bromoform	Qua2		0.1320	0.1000	24.5	20.0	22.6*	20.0
Isopropylbenzene	Ave	1.802	1.913	0.1000	21.2	20.0	6.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7811	0.8007	0.3000	20.5	20.0	2.5	20.0
Bromobenzene	Ave	0.7630	0.7573		19.9	20.0	-0.7	20.0
N-Propylbenzene	Ave	3.908	3.945		20.2	20.0	1.0	20.0
1,2,3-Trichloropropane	Ave	0.2294	0.2270		19.8	20.0	-1.1	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1866	0.1671		17.9	20.0	-10.5	20.0
4-Ethyltoluene	Ave	3.308	3.368		20.4	20.0	1.8	20.0
2-Chlorotoluene	Ave	2.837	2.839		20.0	20.0	0.0	20.0
1,3,5-Trimethylbenzene	Ave	2.829	2.882		20.4	20.0	1.8	20.0
Butyl Methacrylate	QuaF		0.8501		18.1	20.0	-9.6	20.0
4-Chlorotoluene	Ave	2.184	2.254		20.6	20.0	3.2	20.0
tert-Butylbenzene	Ave	2.168	2.356		21.7	20.0	8.7	20.0
1,2,4-Trimethylbenzene	Ave	2.894	2.910		20.1	20.0	0.6	20.0
sec-Butylbenzene	Ave	3.627	3.740		20.6	20.0	3.1	20.0
4-Isopropyltoluene	Ave	3.092	3.159		20.4	20.0	2.2	20.0
1,3-Dichlorobenzene	Ave	1.516	1.572	0.6000	20.7	20.0	3.7	20.0
1,4-Dichlorobenzene	Ave	1.539	1.575	0.5000	20.5	20.0	2.3	20.0
1,2,3-Trimethylbenzene	Ave	3.110	3.071		19.7	20.0	-1.3	20.0
Benzyl chloride	Qua2		0.8183		26.8	20.0	34.2	50.0
Indan	Ave	3.283	3.354		20.4	20.0	2.2	20.0
p-Diethylbenzene	Ave	1.838	1.909		20.8	20.0	3.9	20.0
n-Butylbenzene	Ave	1.736	1.759		20.3	20.0	1.3	20.0
1,2-Dichlorobenzene	Ave	1.581	1.674	0.4000	21.2	20.0	5.9	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.823	3.051		21.6	20.0	8.0	20.0
1,2-Dibromo-3-Chloropropane	QuaF		0.0731	0.0500	15.6	20.0	-21.9	50.0
1,3,5-Trichlorobenzene	Ave	1.247	1.372		22.0	20.0	10.0	20.0
1,2,4-Trichlorobenzene	Ave	0.9698	0.9627	0.2000	19.9	20.0	-0.7	20.0
Hexachlorobutadiene	Ave	0.4625	0.4540		19.6	20.0	-1.8	20.0
Naphthalene	Ave	1.767	1.393		15.8	20.0	-21.2	50.0
1,2,3-Trichlorobenzene	Ave	0.6290	0.5009		15.9	20.0	-20.4*	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.4673			0.620	20.0		
1,1-Difluoroethane	Ave	0.3131			0.760	20.0		
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2770			0.280	20.0		

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706284/3 Calibration Date: 07/06/2020 19:27

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A90784.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorodifluoromethane	Ave	0.3857			0.670	20.0		
Chlorotrifluoroethene	Ave	0.1318			0.460	20.0		
Monochloropentafluoroethane	Ave	0.0311			0.550	20.0		
Dibromofluoromethane (Surr)	Ave	0.2328	0.2283		49.0	50.0	-1.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2659	0.2429		45.7	50.0	-8.7	20.0
Toluene-d8 (Surr)	Ave	1.263	1.265		50.1	50.0	0.1	20.0
Bromofluorobenzene	Ave	0.3657	0.3710		50.7	50.0	1.5	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90784.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 06-Jul-2020 19:27:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: ccvis
Misc. Info.: 460-0112801-003
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 14:26:26 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1047

First Level Reviewer: asfawa Date: 07-Jul-2020 08:46:23

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.684	1.684	0.000	99	47898	20.0	10.2	a
6 Chloromethane	50	1.904	1.904	0.000	98	75426	20.0	13.5	
8 Vinyl chloride	62	2.013	2.013	0.000	98	86284	20.0	15.9	
7 Butadiene	39	2.038	2.038	0.000	95	55063	20.0	12.3	a
9 Bromomethane	94	2.373	2.373	0.000	99	64424	20.0	17.3	
10 Chloroethane	64	2.477	2.477	0.000	99	51769	20.0	17.1	
12 Trichlorofluoromethane	101	2.684	2.684	0.000	62	90995	20.0	18.4	
11 Dichlorofluoromethane	67	2.690	2.690	0.000	98	119014	20.0	17.9	
13 Pentane	72	2.721	2.721	0.000	98	22009	40.0	39.4	
14 Ethyl ether	59	2.940	2.940	0.000	96	45340	20.0	17.1	
15 Ethanol	46	2.946	2.946	0.000	68	11669	800.0	638.4	
16 2-Methyl-1,3-butadiene	53	2.964	2.964	0.000	95	51691	20.0	16.9	
19 Acrolein	56	3.141	3.141	0.000	92	13270	40.0	107.9	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.166	3.166	0.000	95	61730	20.0	18.2	M
21 1,1-Dichloroethene	96	3.178	3.178	0.000	98	61707	20.0	19.2	
22 Acetone	58	3.281	3.281	0.000	89	28100	100.0	85.2	
23 Iodomethane	142	3.355	3.355	0.000	95	120989	20.0	20.7	
25 Isopropyl alcohol	45	3.385	3.385	0.000	35	36988	200.0	229.5	
24 Carbon disulfide	76	3.391	3.391	0.000	98	242994	20.0	19.3	
26 3-Chloro-1-propene	76	3.525	3.525	0.000	92	43856	20.0	19.2	
27 Methyl acetate	43	3.538	3.538	0.000	68	74655	40.0	33.6	
28 Cyclopentene	67	3.544	3.544	0.000	89	157180	20.0	18.5	
29 Acetonitrile	41	3.605	3.605	0.000	98	65083	200.0	175.9	
30 Methylene Chloride	84	3.659	3.659	0.000	90	73506	20.0	18.8	
* 31 TBA-d9 (IS)	65	3.666	3.666	0.000	84	235827	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.745	3.745	0.000	91	45388	200.0	200.3	
33 Methyl tert-butyl ether	73	3.830	3.830	0.000	97	159101	20.0	21.6	
34 trans-1,2-Dichloroethene	96	3.848	3.848	0.000	92	64934	20.0	19.3	
35 Acrylonitrile	53	3.922	3.922	0.000	95	235807	200.0	190.8	
36 Hexane	43	3.995	3.995	0.000	91	49017	20.0	18.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Isopropyl ether	45	4.202	4.202	0.000	96	179569	20.0	18.3	
38 1,1-Dichloroethane	63	4.233	4.233	0.000	98	107634	20.0	19.5	
39 Vinyl acetate	86	4.239	4.239	0.000	99	23780	40.0	60.5	
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	89	55682	20.0	20.5	
41 Tert-butyl ethyl ether	59	4.489	4.489	0.000	90	168069	20.0	21.6	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	94	257494	250.0	250.0	
43 2,2-Dichloropropane	97	4.684	4.684	0.000	95	17027	20.0	22.0	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	96	71899	20.0	20.4	
45 Ethyl acetate	70	4.708	4.708	0.000	93	11166	40.0	44.8	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	97	36391	100.0	115.4	
47 Methyl acrylate	55	4.751	4.751	0.000	99	46722	20.0	21.1	
48 Propionitrile	54	4.824	4.824	0.000	98	84717	200.0	211.6	
50 Tetrahydrofuran	72	4.891	4.891	0.000	63	15190	40.0	43.0	
49 Chlorobromomethane	128	4.891	4.891	0.000	79	36189	20.0	21.7	
51 Methacrylonitrile	67	4.909	4.909	0.000	88	261204	200.0	214.0	
52 Chloroform	83	4.934	4.934	0.000	99	100717	20.0	20.2	
53 Cyclohexane	56	5.043	5.043	0.000	90	103346	20.0	18.1	
$ 54 Dibromofluoromethane (Surr)	113	5.062	5.062	0.000	98	124451	50.0	49.0	
55 1,1,1-Trichloroethane	97	5.062	5.062	0.000	72	73409	20.0	20.2	
56 Carbon tetrachloride	117	5.153	5.153	0.000	97	47540	20.0	23.3	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	99	79596	20.0	20.2	
58 Isobutyl alcohol	43	5.251	5.251	0.000	95	34562	500.0	653.2	
59 Isooctane	57	5.299	5.299	0.000	94	207662	20.0	20.6	
60 Benzene	78	5.336	5.336	0.000	95	243734	20.0	20.6	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	97	132411	50.0	45.7	
62 Isopropyl acetate	43	5.360	5.360	0.000	98	138092	20.0	19.4	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	95	54257	20.0	23.1	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	97	69362	20.0	20.0	
65 n-Heptane	71	5.433	5.433	0.000	87	66174	20.0	17.9	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	545211	50.0	50.0	
67 n-Butanol	56	5.775	5.775	0.000	86	20484	500.0	635.6	
68 Trichloroethene	95	5.842	5.842	0.000	98	58326	20.0	19.6	
70 Ethyl acrylate	55	5.921	5.921	0.000	96	59920	20.0	19.4	a
69 Methylcyclohexane	83	5.958	5.958	0.000	94	120724	20.0	21.9	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	90	56879	20.0	18.8	
73 Methyl methacrylate	100	6.128	6.128	0.000	85	29614	40.0	47.4	a
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	90	31529	1000.0	1000.0	
74 n-Propyl acetate	43	6.171	6.171	0.000	96	58931	20.0	18.8	
76 1,4-Dioxane	88	6.183	6.183	0.000	39	14795	400.0	438.0	
75 Dibromomethane	93	6.208	6.208	0.000	98	33470	20.0	18.9	
77 Dichlorobromomethane	83	6.330	6.330	0.000	99	58794	20.0	20.8	
78 2-Chloroethyl vinyl ether	63	6.604	6.604	0.000	95	32582	20.0	18.8	
80 Epichlorohydrin	57	6.695	6.695	0.000	98	99514	400.0	478.2	
81 cis-1,3-Dichloropropene	75	6.744	6.744	0.000	89	75590	20.0	21.4	
79 2-Nitropropane	41	6.616	6.616	0.000	52	10670	40.0	47.7	a
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	94	251323	100.0	109.5	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	99	484377	50.0	50.1	
84 Toluene	91	6.988	6.988	0.000	93	241896	20.0	20.7	
85 trans-1,3-Dichloropropene	75	7.208	7.208	0.000	94	61858	20.0	24.0	
86 Ethyl methacrylate	69	7.208	7.208	0.000	81	63773	20.0	19.6	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	99	42216	20.0	21.1	
88 Tetrachloroethene	166	7.390	7.390	0.000	97	57877	20.0	21.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
89 1,3-Dichloropropane	76	7.482	7.482	0.000	90	82206	20.0	20.0	
90 2-Hexanone	43	7.494	7.494	0.000	95	152272	100.0	103.5	
91 n-Butyl acetate	73	7.549	7.549	0.000	98	13477	20.0	21.6	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	35722	20.0	21.8	
93 Ethylene Dibromide	107	7.720	7.720	0.000	100	45272	20.0	21.9	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	84	382998	50.0	50.0	
95 Chlorobenzene	112	8.024	8.024	0.000	96	155322	20.0	21.4	
96 Ethylbenzene	106	8.061	8.061	0.000	98	86750	20.0	20.3	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	93	43015	20.0	25.6	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	105659	20.0	20.5	
99 n-Butyl acrylate	73	8.335	8.335	0.000	99	34680	20.0	21.0	
100 o-Xylene	106	8.390	8.390	0.000	94	112927	20.0	21.6	
101 Styrene	104	8.402	8.402	0.000	96	174453	20.0	21.6	
102 Amyl acetate (mixed isomers)	43	8.469	8.469	0.000	92	74650	20.0	16.2	
103 Bromoform	173	8.543	8.543	0.000	96	20214	20.0	24.5	
104 Isopropylbenzene	105	8.591	8.591	0.000	95	293064	20.0	21.2	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	91	142105	50.0	50.7	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	99	69411	20.0	20.5	
107 Bromobenzene	156	8.811	8.811	0.000	99	65650	20.0	19.9	
108 N-Propylbenzene	91	8.823	8.823	0.000	99	342013	20.0	20.2	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.841	0.000	73	14485	20.0	17.9	
110 1,2,3-Trichloropropane	110	8.841	8.841	0.000	97	19674	20.0	19.8	
111 4-Ethyltoluene	105	8.884	8.884	0.000	98	292003	20.0	20.4	
112 2-Chlorotoluene	91	8.902	8.902	0.000	96	246122	20.0	20.0	
113 1,3,5-Trimethylbenzene	105	8.921	8.921	0.000	93	249811	20.0	20.4	
114 Butyl Methacrylate	87	8.945	8.945	0.000	86	73692	20.0	18.1	
115 4-Chlorotoluene	91	8.963	8.963	0.000	97	195391	20.0	20.6	
116 tert-Butylbenzene	119	9.104	9.104	0.000	95	204278	20.0	21.7	
117 1,2,4-Trimethylbenzene	105	9.134	9.134	0.000	97	252272	20.0	20.1	
118 sec-Butylbenzene	105	9.225	9.225	0.000	99	324203	20.0	20.6	
119 4-Isopropyltoluene	119	9.299	9.299	0.000	98	273844	20.0	20.4	
120 1,3-Dichlorobenzene	146	9.329	9.329	0.000	97	136306	20.0	20.7	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	94	216726	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.384	9.384	0.000	72	136499	20.0	20.5	
123 1,2,3-Trimethylbenzene	105	9.390	9.390	0.000	97	266221	20.0	19.7	
124 Benzyl chloride	91	9.469	9.469	0.000	98	70940	20.0	26.8	
125 2,3-Dihydroindene	117	9.518	9.518	0.000	92	290760	20.0	20.4	
126 p-Diethylbenzene	119	9.524	9.524	0.000	94	165506	20.0	20.8	
127 n-Butylbenzene	92	9.542	9.542	0.000	98	152449	20.0	20.3	
128 1,2-Dichlorobenzene	146	9.622	9.622	0.000	97	145128	20.0	21.2	
129 1,2,4,5-Tetramethylbenzene	119	10.036	10.036	0.000	98	264463	20.0	21.6	
130 1,2-Dibromo-3-Chloropropane	75	10.146	10.146	0.000	91	6336	20.0	15.6	
131 1,3,5-Trichlorobenzene	180	10.250	10.250	0.000	97	118911	20.0	22.0	
132 1,2,4-Trichlorobenzene	180	10.762	10.762	0.000	94	83457	20.0	19.9	
133 Hexachlorobutadiene	225	10.835	10.835	0.000	97	39358	20.0	19.6	
134 Naphthalene	128	11.006	11.006	0.000	99	120722	20.0	15.8	
135 1,2,3-Trichlorobenzene	180	11.231	11.231	0.000	96	43424	20.0	15.9	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.7	
S 137 Xylenes, Total	100				0		40.0	42.1	
S 138 Total BTEX	1				0		100.0	103.7	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

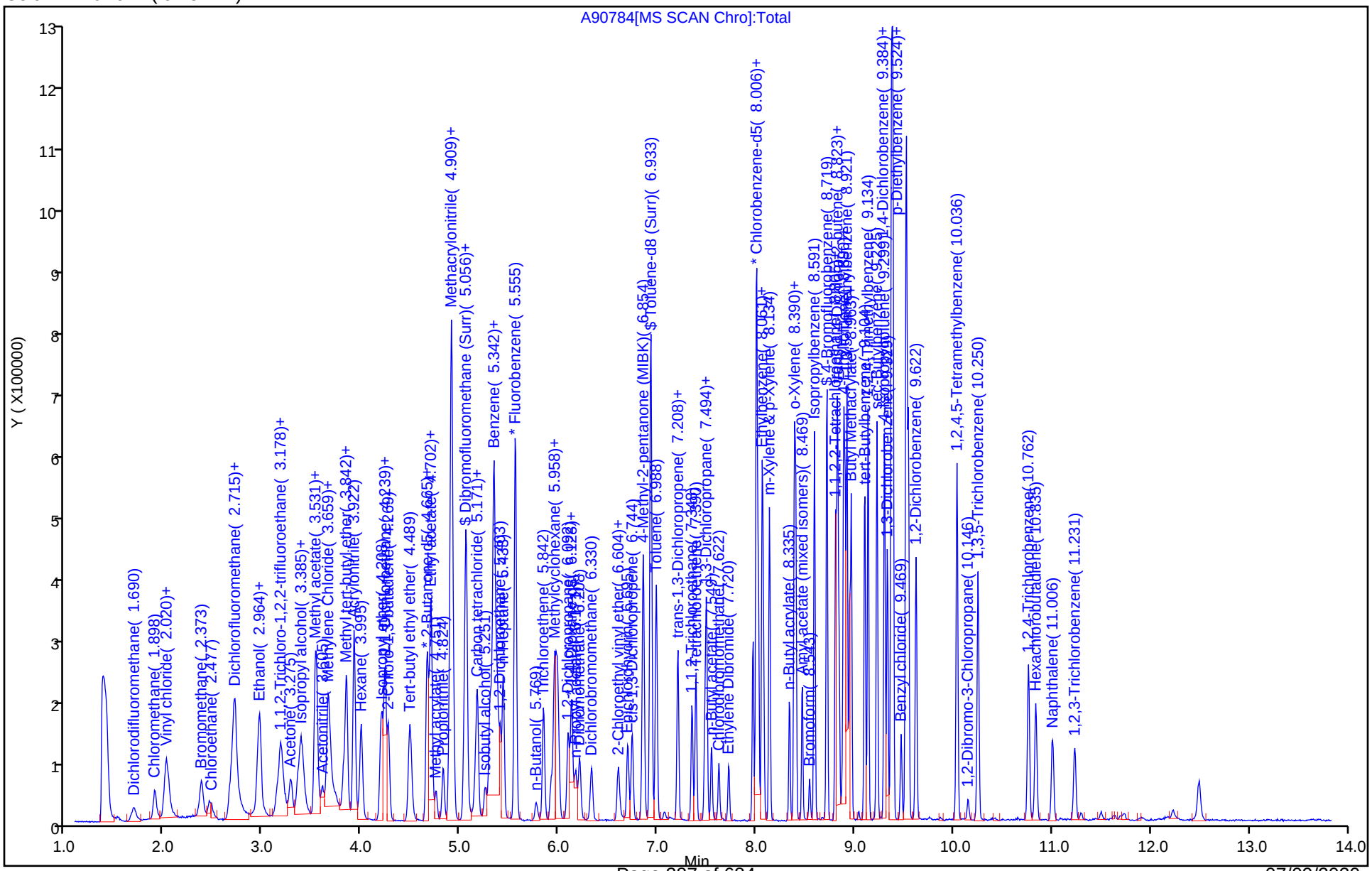
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90784.D

Injection Date:	06-Jul-2020 19:27:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

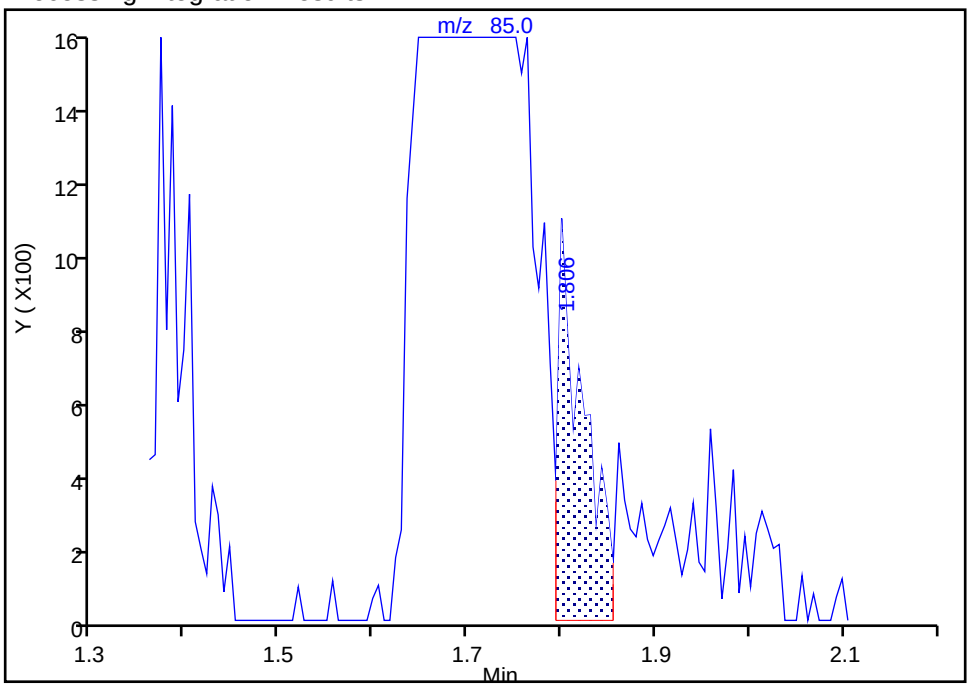
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Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

4 Dichlorodifluoromethane, CAS: 75-71-8

Signal: 1

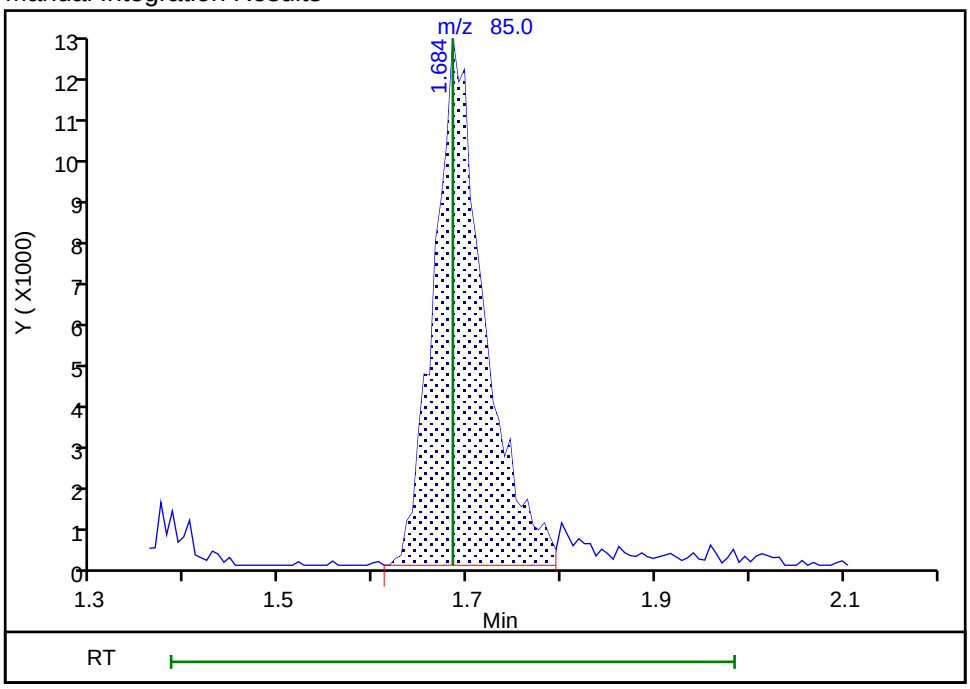
Processing Integration Results

RT: 1.81
Area: 1984
Amount: 0.421813
Amount Units: ug/l



Manual Integration Results

RT: 1.68
Area: 47898
Amount: 10.183464
Amount Units: ug/l



Reviewer: yallabg, 06-Jul-2020 20:16:20
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

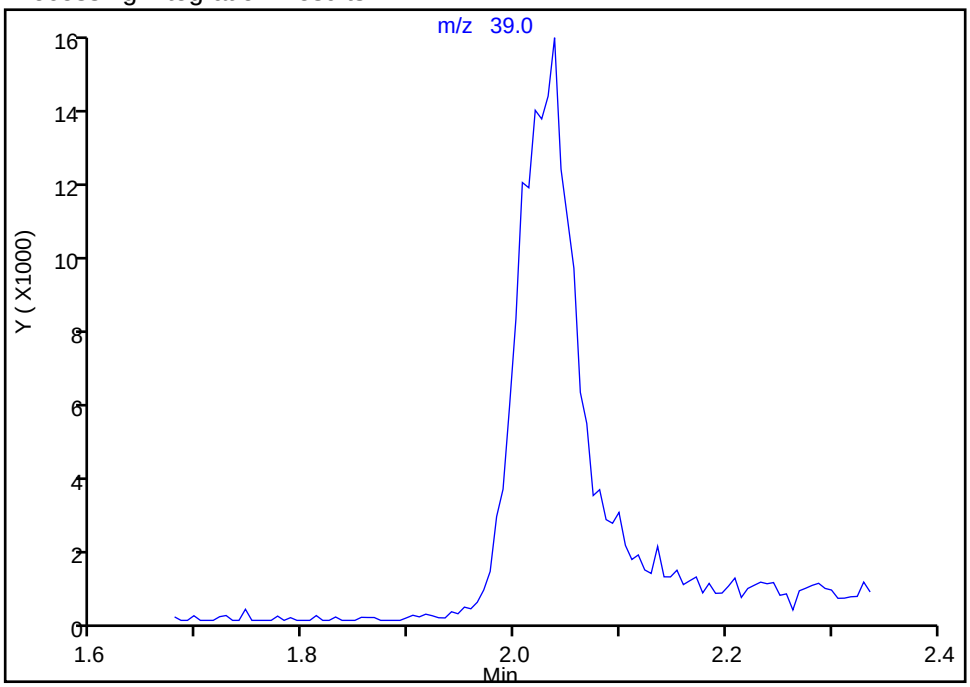
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Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 1

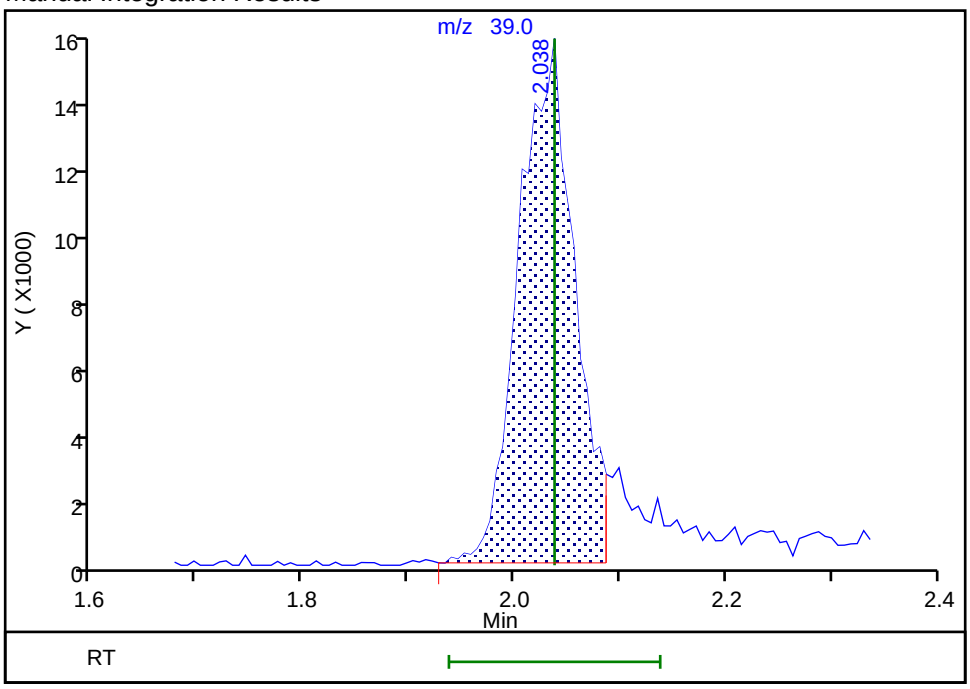
Not Detected
Expected RT: 2.04

Processing Integration Results



Manual Integration Results

RT: 2.04
Area: 55063
Amount: 12.338535
Amount Units: ug/l



Reviewer: yallabg, 06-Jul-2020 20:15:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

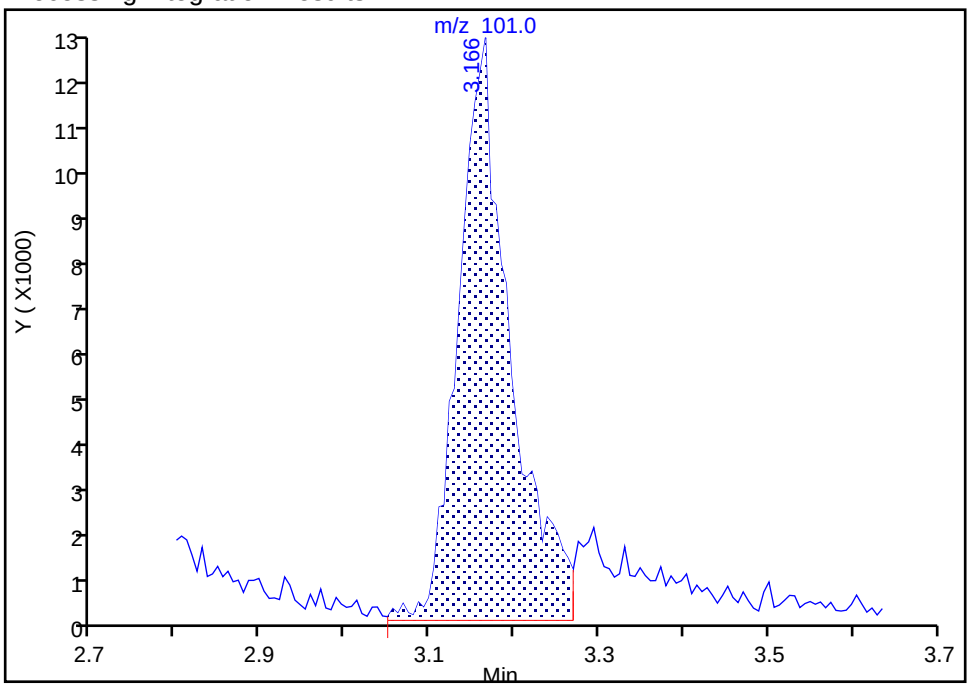
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Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

20 1,1,2-Trichloro-1,2,2-trifluoroe, CAS: 76-13-1

Signal: 1

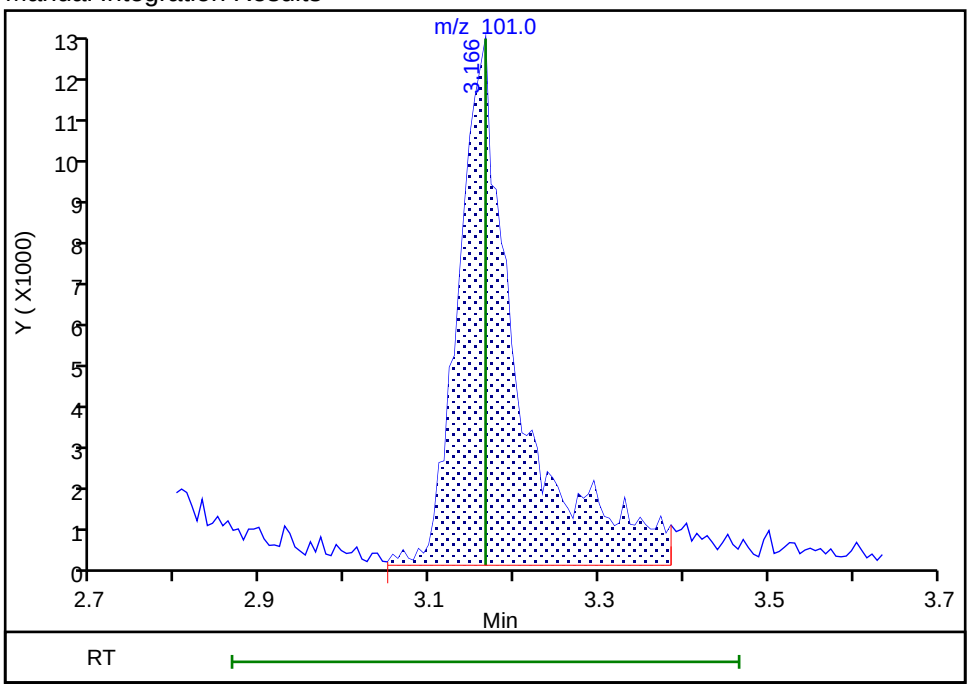
Processing Integration Results

RT: 3.17
Area: 53383
Amount: 15.742888
Amount Units: ug/l



Manual Integration Results

RT: 3.17
Area: 61730
Amount: 18.204456
Amount Units: ug/l



Reviewer: asfawa, 07-Jul-2020 08:46:05
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

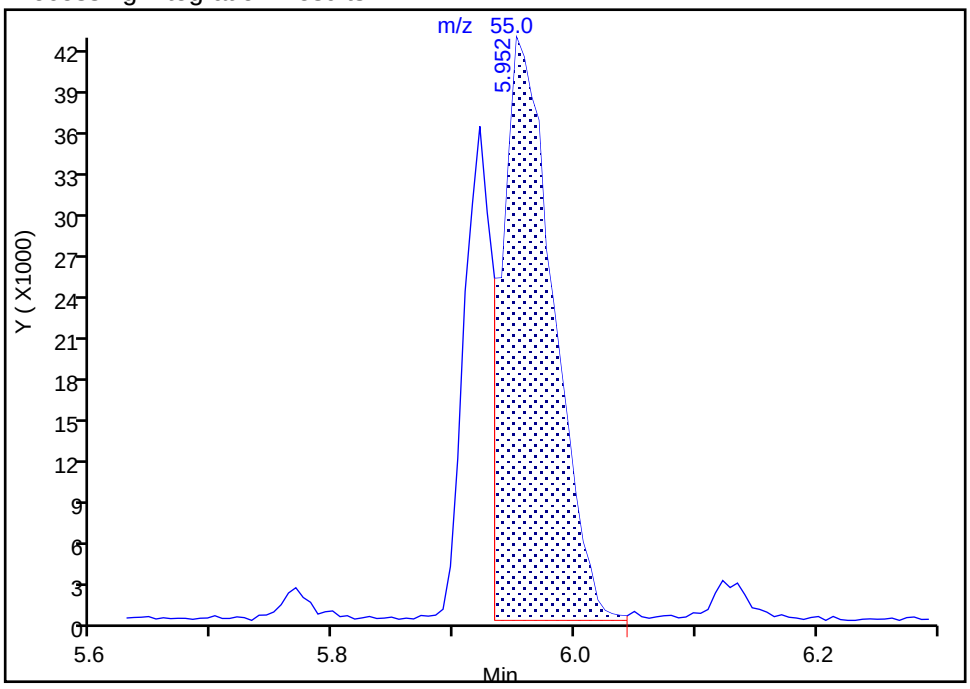
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Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

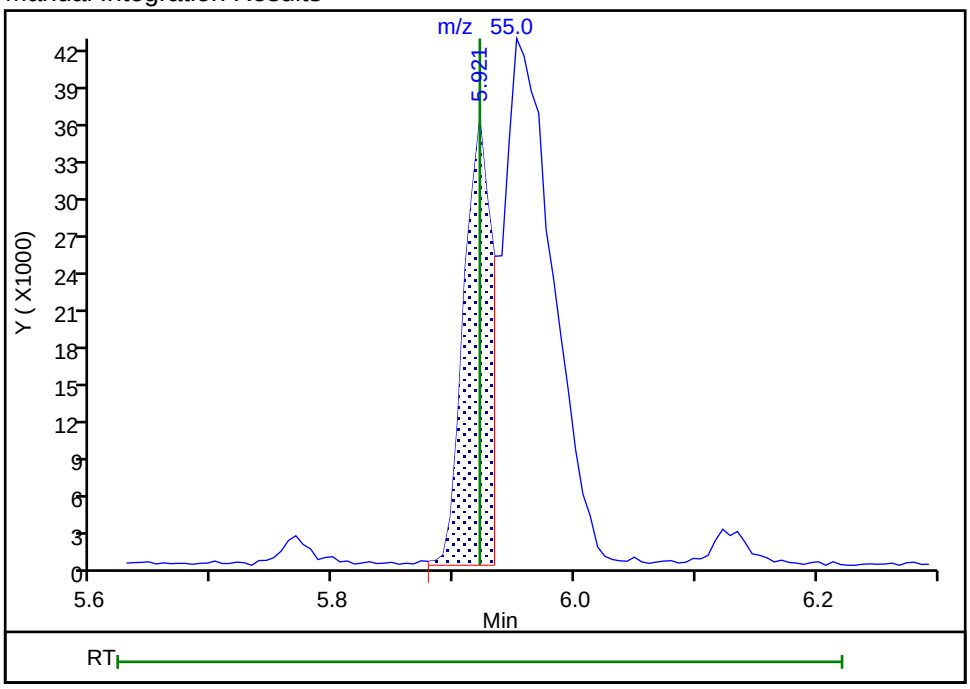
Processing Integration Results

RT: 5.95
Area: 128421
Amount: 40.993993
Amount Units: ug/l



Manual Integration Results

RT: 5.92
Area: 59920
Amount: 19.391071
Amount Units: ug/l



Reviewer: xuyvo, 07-Jul-2020 14:26:15
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

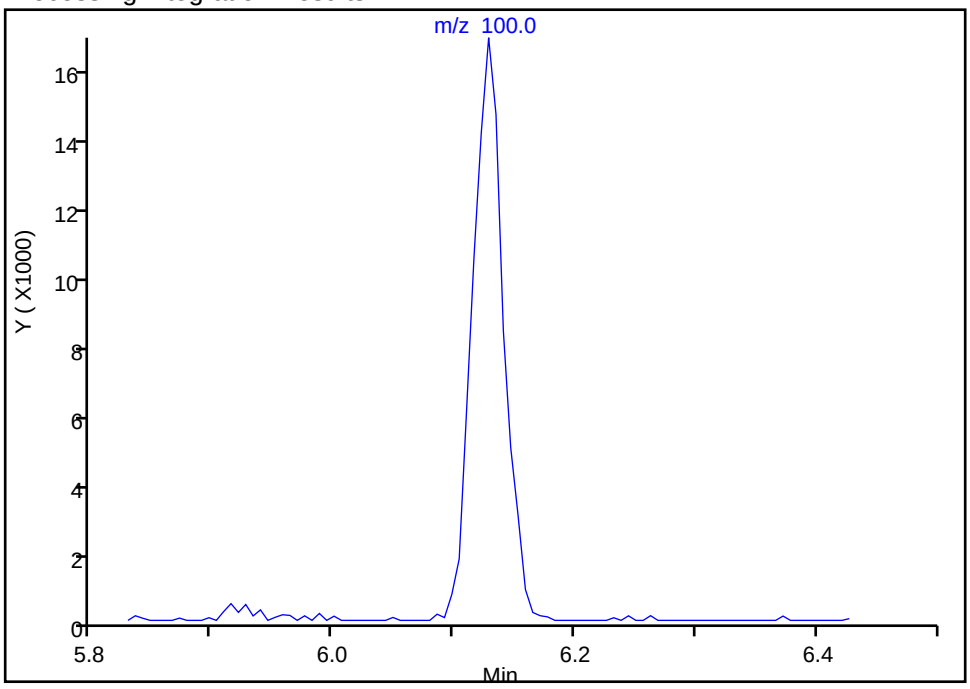
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Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

73 Methyl methacrylate, CAS: 80-62-6

Signal: 1

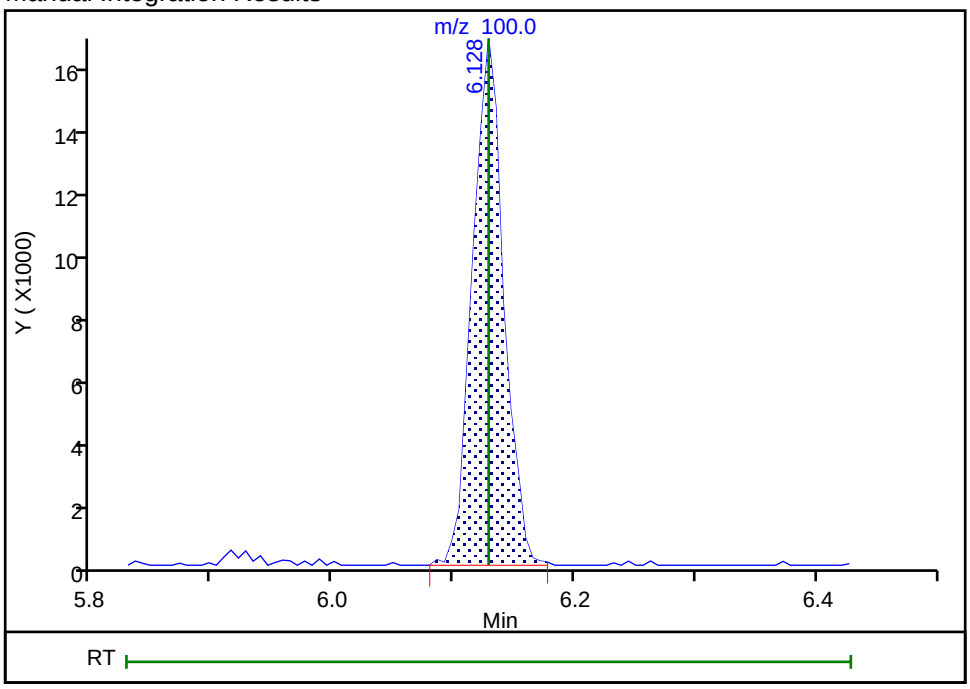
Not Detected
Expected RT: 6.13

Processing Integration Results



Manual Integration Results

RT: 6.13
Area: 29614
Amount: 47.449202
Amount Units: ug/l



Reviewer: yallabg, 06-Jul-2020 20:15:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

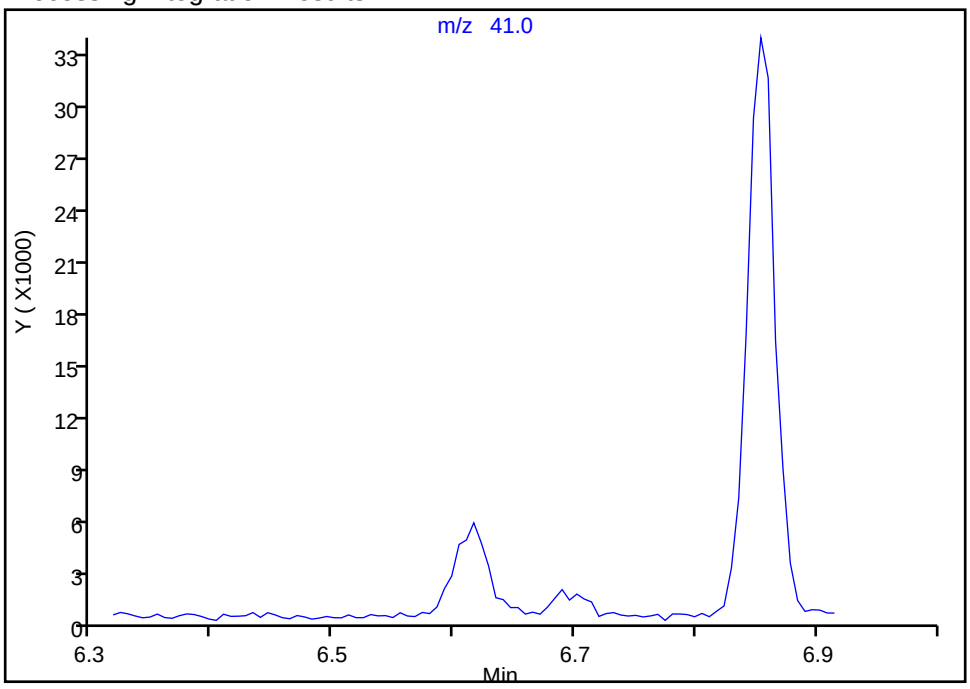
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Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Signal: 1

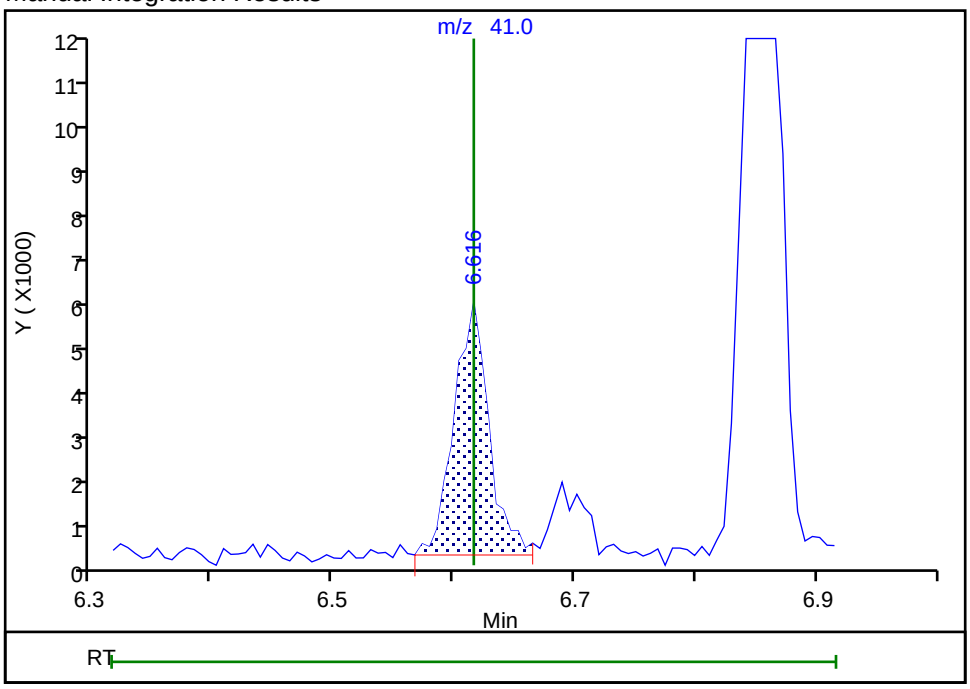
Not Detected
Expected RT: 6.62

Processing Integration Results



Manual Integration Results

RT: 6.62
Area: 10670
Amount: 47.735560
Amount Units: ug/l



Reviewer: xuyvo, 07-Jul-2020 14:26:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

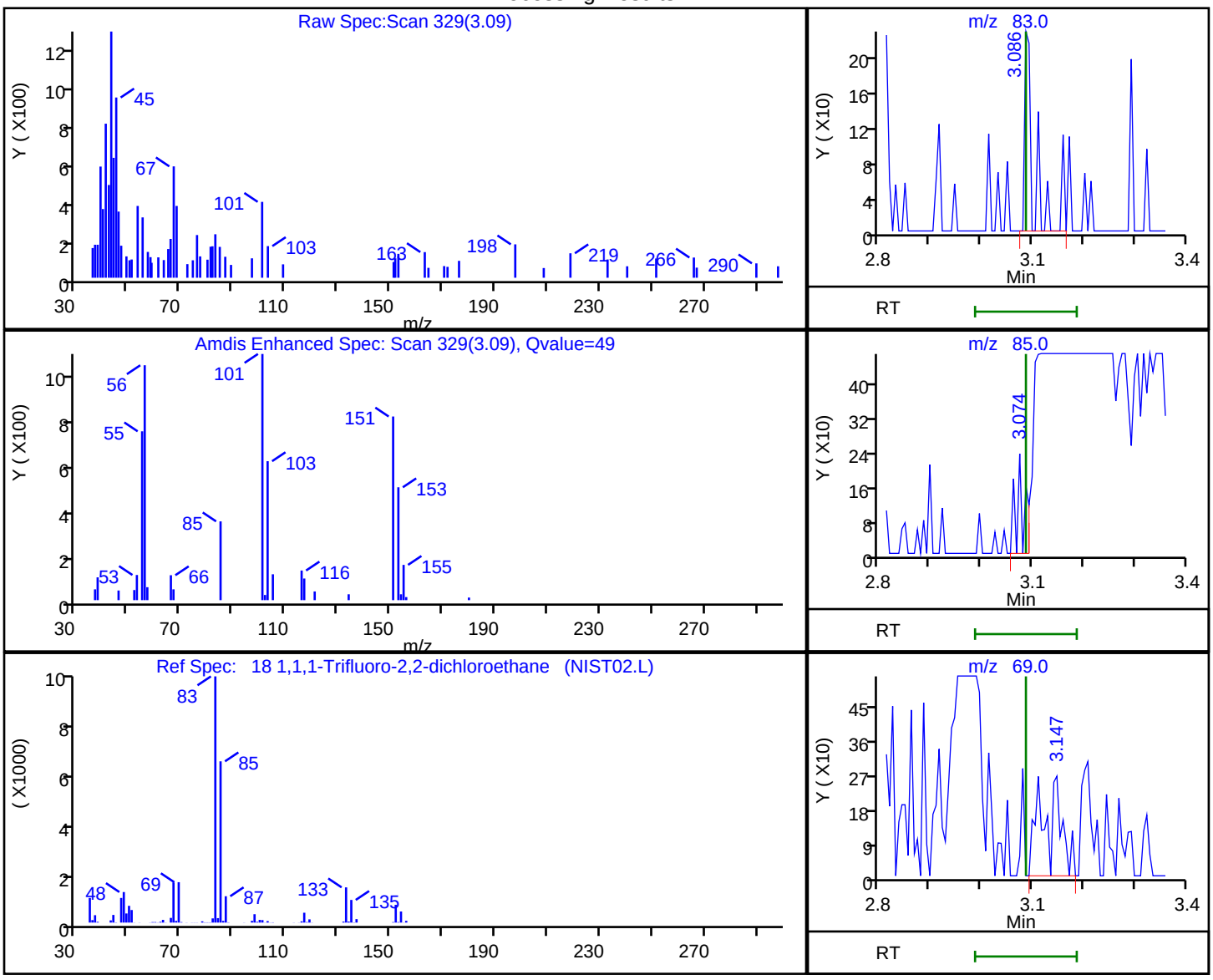
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90784.D
Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

18 1,1,1-Trifluoro-2,2-dichloroethane, CAS: 306-83-2

Processing Results



RT	Mass	Response	Amount
3.09	83.00	268	0.052595
3.07	85.00	250	
3.15	69.00	693	
3.07	67.00	1728	

Reviewer: asfawa, 07-Jul-2020 07:53:30
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

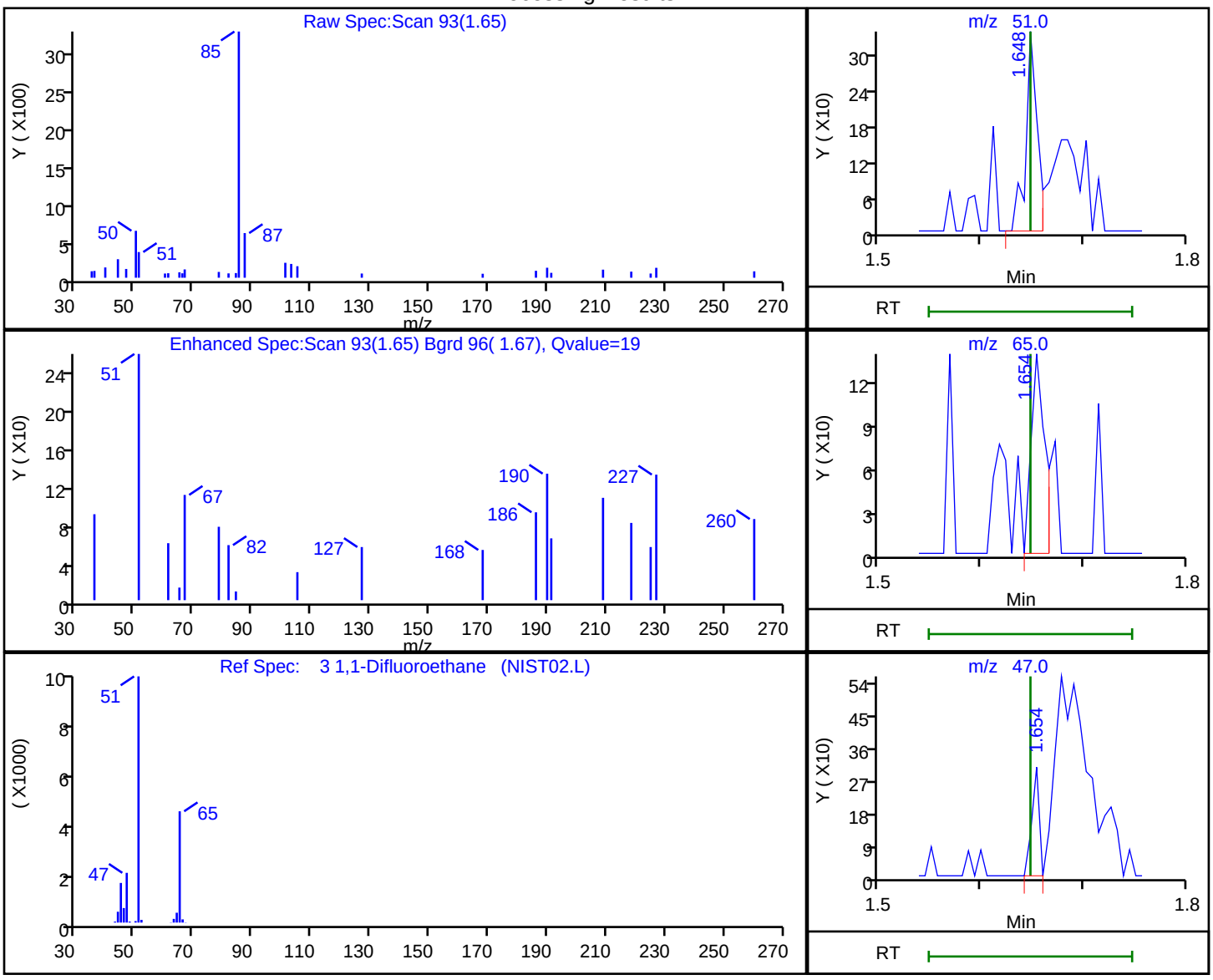
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90784.D
Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Processing Results



RT	Mass	Response	Amount
1.65	51.00	267	0.078193
1.65	65.00	129	
1.65	47.00	152	

Reviewer: asfawa, 07-Jul-2020 07:53:20
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

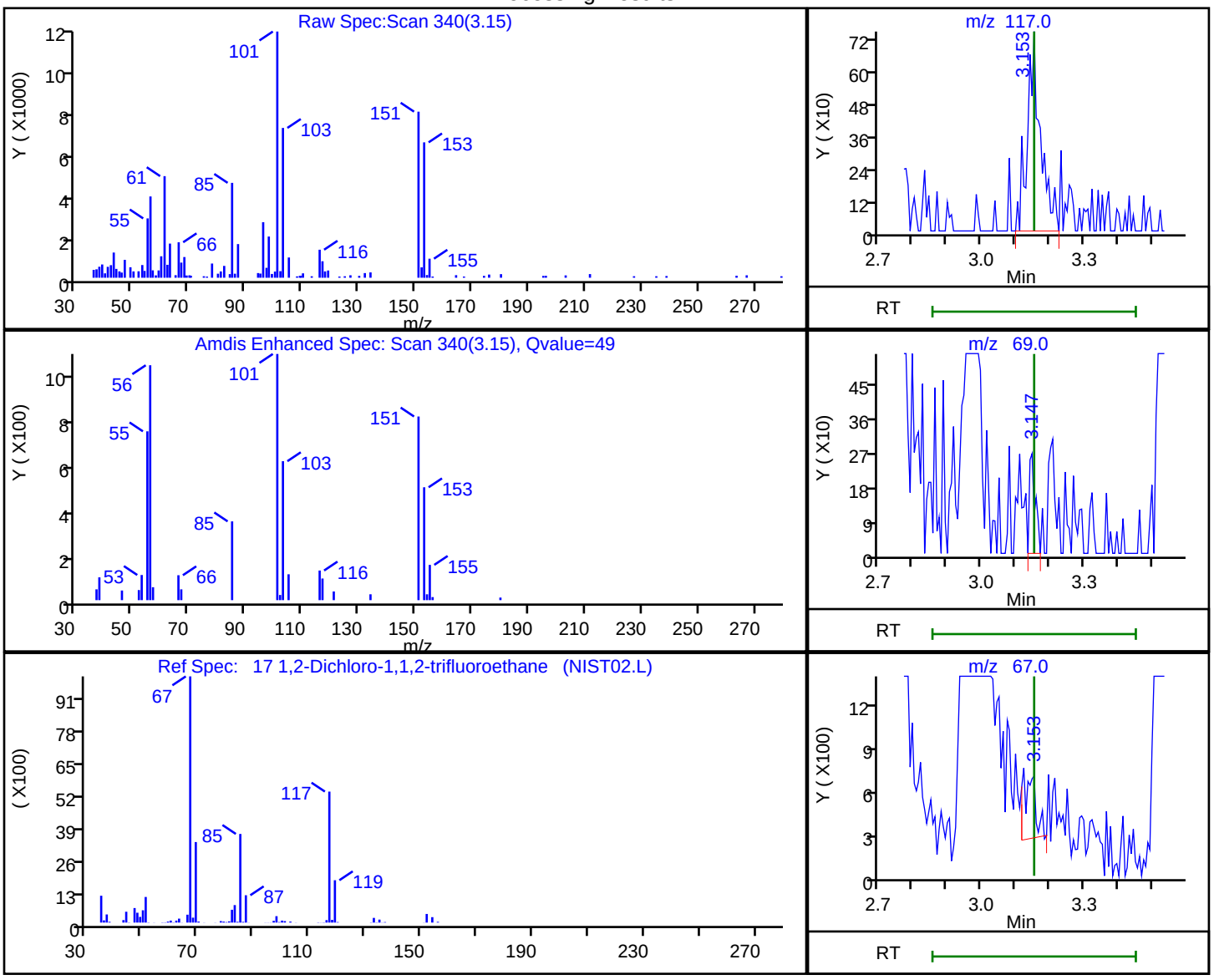
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90784.D
Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

17 1,2-Dichloro-1,1,2-trifluoroethane, CAS: 354-23-4

Processing Results



RT	Mass	Response	Amount
3.15	117.00	2020	0.668690
3.15	69.00	307	
3.15	67.00	1107	
3.14	119.00	2205	

Reviewer: asfawa, 07-Jul-2020 07:53:33
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

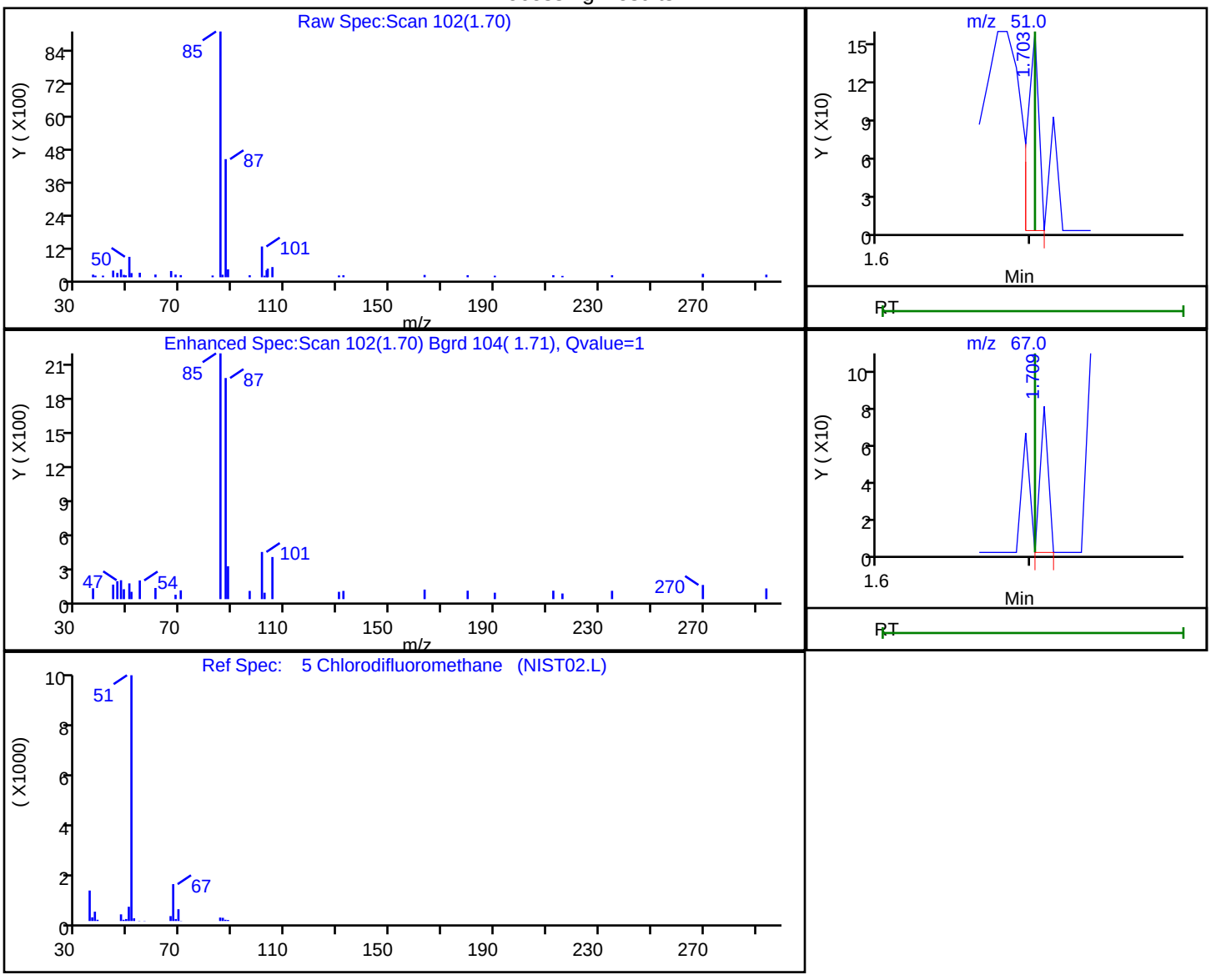
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90784.D
Injection Date: 06-Jul-2020 19:27:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

5 Chlorodifluoromethane, CAS: 75-45-6

Processing Results



RT	Mass	Response	Amount
1.70	51.00	80	0.019021
1.71	67.00	28	

Reviewer: asfawa, 07-Jul-2020 07:53:23
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

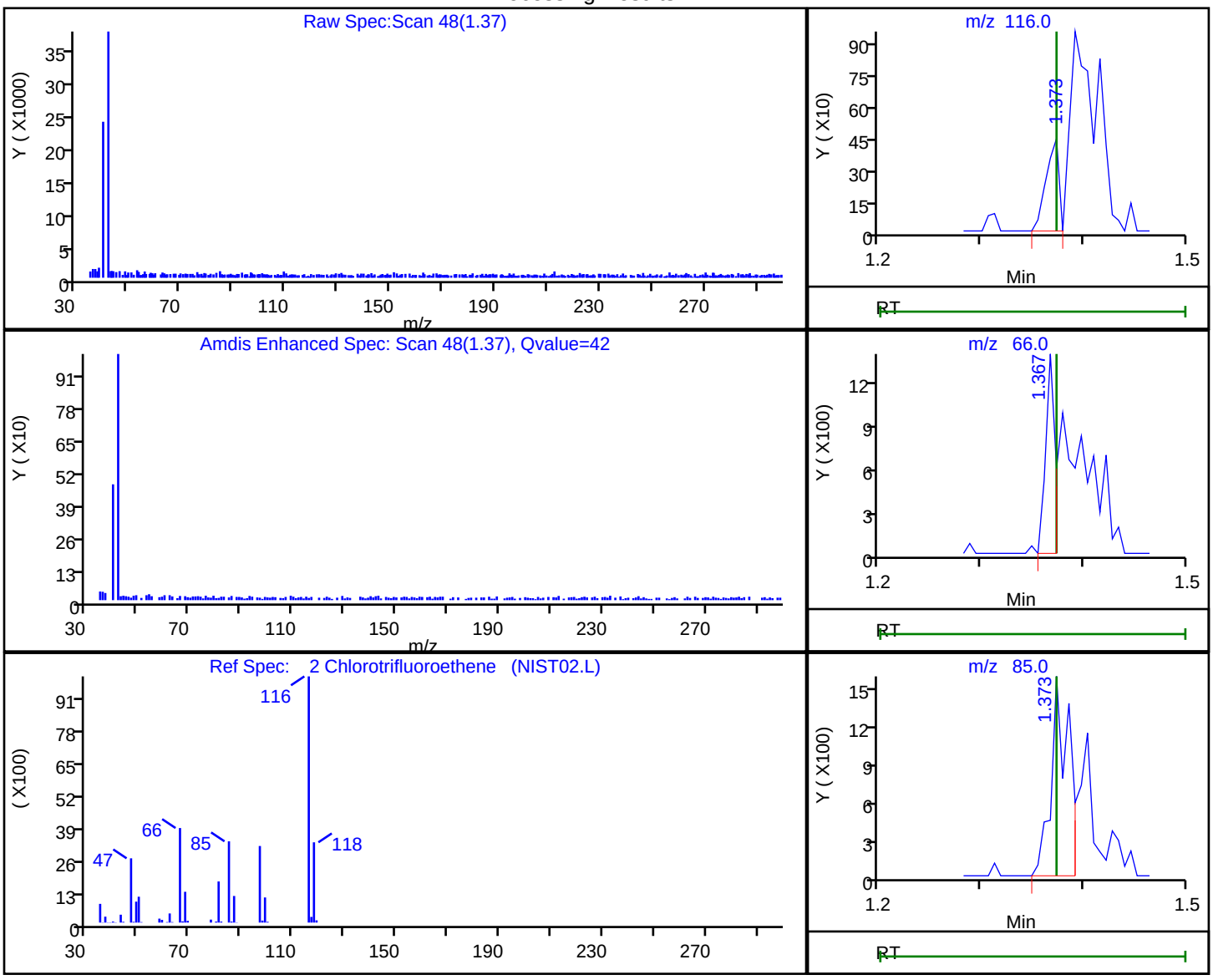
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90784.D				
Injection Date:	06-Jul-2020 19:27:30	Instrument ID:	CVOAMS1		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

2 Chlorotrifluoroethene, CAS: 79-38-9

Processing Results



RT	Mass	Response	Amount
1.37	116.00	383	0.266548
1.37	66.00	872	
1.37	85.00	1878	
1.37	118.00	466	

Reviewer: asfawa, 07-Jul-2020 07:53:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706392/3 Calibration Date: 07/07/2020 09:33

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A90814.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1318	0.0688		10.4	20.0	-47.8*	20.0
1,1-Difluoroethane	Ave	0.3131	0.1996		12.7	20.0	-36.3*	20.0
Dichlorodifluoromethane	Ave	0.4313	0.3536	0.1000	16.4	20.0	-18.0	20.0
Chlorodifluoromethane	Ave	0.3857	0.2386		12.4	20.0	-38.1*	20.0
Chloromethane	Ave	0.5140	0.4104	0.1000	16.0	20.0	-20.2*	20.0
Vinyl chloride	Ave	0.4972	0.4306	0.1000	17.3	20.0	-13.4	20.0
Butadiene	Ave	0.4093	0.3272		16.0	20.0	-20.0	20.0
Bromomethane	Ave	0.3410	0.3168	0.1000	18.6	20.0	-7.1	50.0
Chloroethane	Ave	0.2776	0.2674	0.1000	19.3	20.0	-3.7	50.0
Dichlorofluoromethane	Ave	0.6095	0.5759		18.9	20.0	-5.5	20.0
Trichlorofluoromethane	Ave	0.4533	0.4457	0.1000	19.7	20.0	-1.7	20.0
Pentane	Ave	2.371	2.343		39.5	40.0	-1.2	20.0
Ethyl ether	Ave	0.2438	0.1898		15.6	20.0	-22.2*	20.0
Ethanol	Ave	0.0775	0.0664		686	800	-14.3	50.0
2-Methyl-1,3-butadiene	Ave	0.2809	0.2096		14.9	20.0	-25.4*	20.0
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2770	0.2104		15.2	20.0	-24.1*	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.4673	0.3947		16.9	20.0	-15.5	20.0
Acrolein	QuaF		1.296		99.2	40.0	148.1*	50.0
Freon TF	Ave	0.3110	0.2835	0.1000	18.2	20.0	-8.8	20.0
1,1-Dichloroethene	Ave	0.2945	0.2479	0.1000	16.8	20.0	-15.8	20.0
Acetone	Ave	0.3201	0.2492	0.0500	77.8	100	-22.2	50.0
Iodomethane	Ave	0.5371	0.4991		18.6	20.0	-7.1	20.0
Carbon disulfide	Ave	1.152	0.9717	0.1000	16.9	20.0	-15.7	50.0
Isopropyl alcohol	QuaF		0.6787		199	200	-0.6	50.0
Allyl chloride	Ave	0.2097	0.1705		16.3	20.0	-18.7	20.0
Methyl acetate	Ave	0.2036	0.1675	0.1000	32.9	40.0	-17.7	20.0
Cyclopentene	Ave	0.7782	0.6718		17.3	20.0	-13.7	20.0
Acetonitrile	Ave	1.569	1.493		190	200	-4.8	20.0
Methylene Chloride	Ave	0.3588	0.3121	0.1000	17.4	20.0	-13.0	20.0
2-Methyl-2-propanol	Ave	0.9607	0.8447		176	200	-12.1	50.0
MTBE	Ave	0.6758	0.6228	0.1000	18.4	20.0	-7.8	20.0
trans-1,2-Dichloroethene	Ave	0.3082	0.2722	0.1000	17.7	20.0	-11.7	20.0
Acrylonitrile	Ave	0.1133	0.0960		169	200	-15.3	20.0
Hexane	Ave	0.2389	0.2030		17.0	20.0	-15.0	20.0
Isopropyl ether	Ave	0.9001	0.7240		16.1	20.0	-19.6	20.0
1,1-Dichloroethane	Ave	0.5073	0.4320	0.2000	17.0	20.0	-14.8	20.0
Vinyl acetate	Ave	1.666	1.768		42.4	40.0	6.1	20.0
2-Chloro-1,3-butadiene	Ave	0.2493	0.2406		19.3	20.0	-3.5	20.0
Tert-butyl ethyl ether	Ave	0.7127	0.6590		18.5	20.0	-7.5	20.0
2,2-Dichloropropane	Ave	0.0708	0.0643		18.1	20.0	-9.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706392/3 Calibration Date: 07/07/2020 09:33

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A90814.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
cis-1,2-Dichloroethene	Ave	0.3230	0.2932	0.1000	18.2	20.0	-9.2	20.0
2-Butanone	Ave	0.3061	0.3126	0.0500	102	100	2.1	50.0
Ethyl acetate	Ave	0.2421	0.2504		41.4	40.0	3.4	20.0
Methyl acrylate	Ave	0.2028	0.1928		19.0	20.0	-4.9	20.0
Propionitrile	Ave	1.697	1.780		210	200	4.8	20.0
Bromochloromethane	Ave	0.1530	0.1491		19.5	20.0	-2.5	20.0
Tetrahydrofuran	Ave	0.3428	0.3489		40.7	40.0	1.8	20.0
Methacrylonitrile	Ave	0.1120	0.1032		184	200	-7.9	20.0
Chloroform	Ave	0.4571	0.4273	0.2000	18.7	20.0	-6.5	20.0
Cyclohexane	Ave	0.5226	0.4693	0.1000	18.0	20.0	-10.2	50.0
1,1,1-Trichloroethane	Ave	0.3327	0.3115	0.1000	18.7	20.0	-6.4	20.0
Carbon tetrachloride	Qua2		0.2092	0.1000	22.4	20.0	12.0	20.0
1,1-Dichloropropene	Ave	0.3620	0.3418		18.9	20.0	-5.6	20.0
Isobutyl alcohol	QuaF		0.2329		524	500	4.8	20.0
2,2,4-Trimethylpentane	Ave	0.9241	0.8488		18.4	20.0	-8.2	20.0
Benzene	Ave	1.545	1.412	0.5000	18.3	20.0	-8.6	20.0
Isopropyl acetate	Ave	0.6543	0.5585		17.1	20.0	-14.6	20.0
Tert-amyl methyl ether	Ave	0.2157	0.2158		20.0	20.0	0.0	20.0
1,2-Dichloroethane	Ave	0.3188	0.2812	0.1000	17.6	20.0	-11.8	20.0
n-Heptane	Ave	0.3398	0.2725		16.0	20.0	-19.8	20.0
n-Butanol	QuaF		0.1576		579	500	15.8	50.0
Trichloroethene	Ave	0.2730	0.2439	0.2000	17.9	20.0	-10.7	20.0
Ethyl acrylate	QuaF		0.2501		17.7	20.0	-11.7	20.0
Methylcyclohexane	Ave	0.5062	0.5085	0.1000	20.1	20.0	0.4	50.0
1,2-Dichloropropane	Ave	0.2768	0.2351	0.1000	17.0	20.0	-15.1	20.0
Methyl methacrylate	Ave	0.0572	0.0550		38.4	40.0	-3.9	20.0
n-Propyl acetate	Ave	0.2867	0.2284		15.9	20.0	-20.3*	20.0
1,4-Dioxane	Ave	1.071	1.042		389	400	-2.8	50.0
Dibromomethane	Ave	0.1621	0.1418		17.5	20.0	-12.5	20.0
Bromodichloromethane	Ave	0.2595	0.2378	0.2000	18.3	20.0	-8.4	20.0
2-Chloroethyl vinyl ether	Ave	0.1592	0.1336		16.8	20.0	-16.1	20.0
2-Nitropropane	Qua2		0.0227		44.2	40.0	10.5	20.0
Epichlorohydrin	Ave	0.2020	0.2186		433	400	8.2	20.0
cis-1,3-Dichloropropene	Ave	0.4620	0.4224	0.2000	18.3	20.0	-8.6	50.0
4-Methyl-2-pentanone	Ave	2.228	2.275	0.0500	102	100	2.1	50.0
Toluene	Ave	1.527	1.422	0.4000	18.6	20.0	-6.8	20.0
Ethyl methacrylate	QuaF		0.2461		16.5	20.0	-17.5	20.0
trans-1,3-Dichloropropene	Ave	0.3362	0.3452	0.1000	20.5	20.0	2.7	50.0
1,1,2-Trichloroethane	Ave	0.2609	0.2367	0.1000	18.1	20.0	-9.3	20.0
Tetrachloroethene	Ave	0.3588	0.3343	0.2000	18.6	20.0	-6.8	20.0
1,3-Dichloropropane	Ave	0.5376	0.4932		18.3	20.0	-8.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706392/3 Calibration Date: 07/07/2020 09:33

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A90814.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2-Hexanone	Ave	1.429	1.372	0.0500	96.0	100	-4.0	50.0
n-Butyl acetate	QuaF		0.0725		17.8	20.0	-10.8	20.0
Dibromochloromethane	Ave	0.2141	0.2105	0.1000	19.7	20.0	-1.7	50.0
1,2-Dibromoethane	Ave	0.2702	0.2648	0.1000	19.6	20.0	-2.0	20.0
Chlorobenzene	Ave	0.9454	0.9048	0.5000	19.1	20.0	-4.3	20.0
Ethylbenzene	Ave	0.5566	0.5077	0.1000	18.2	20.0	-8.8	20.0
1,1,1,2-Tetrachloroethane	Qua2		0.2470		22.6	20.0	13.0	20.0
m&p-Xylene	Ave	0.6718	0.6187	0.1000	18.4	20.0	-7.9	20.0
n-Butyl acrylate	QuaF		0.1721		16.0	20.0	-19.9	20.0
o-Xylene	Ave	0.6839	0.6453	0.3000	18.9	20.0	-5.6	20.0
Styrene	Ave	1.052	1.014	0.3000	19.3	20.0	-3.6	20.0
Amyl acetate (mixed isomers)	QuaF		0.7028		13.2	20.0	-34.0*	20.0
Bromoform	Qua2		0.1160	0.1000	21.7	20.0	8.3	20.0
Isopropylbenzene	Ave	1.802	1.657	0.1000	18.4	20.0	-8.1	20.0
1,1,2,2-Tetrachloroethane	Ave	0.7811	0.6625	0.3000	17.0	20.0	-15.2	20.0
Bromobenzene	Ave	0.7630	0.7004		18.4	20.0	-8.2	20.0
N-Propylbenzene	Ave	3.908	3.524		18.0	20.0	-9.8	20.0
1,2,3-Trichloropropane	Ave	0.2294	0.2042		17.8	20.0	-11.0	20.0
trans-1,4-Dichloro-2-butene	Ave	0.1866	0.1417		15.2	20.0	-24.1*	20.0
4-Ethyltoluene	Ave	3.308	2.837		17.2	20.0	-14.2	20.0
2-Chlorotoluene	Ave	2.837	2.545		17.9	20.0	-10.3	20.0
1,3,5-Trimethylbenzene	Ave	2.829	2.519		17.8	20.0	-11.0	20.0
Butyl Methacrylate	QuaF		0.6541		13.9	20.0	-30.4*	20.0
4-Chlorotoluene	Ave	2.184	1.979		18.1	20.0	-9.4	20.0
tert-Butylbenzene	Ave	2.168	2.006		18.5	20.0	-7.5	20.0
1,2,4-Trimethylbenzene	Ave	2.894	2.582		17.8	20.0	-10.8	20.0
sec-Butylbenzene	Ave	3.627	3.321		18.3	20.0	-8.4	20.0
4-Isopropyltoluene	Ave	3.092	2.868		18.6	20.0	-7.2	20.0
1,3-Dichlorobenzene	Ave	1.516	1.388	0.6000	18.3	20.0	-8.4	20.0
1,2,3-Trimethylbenzene	Ave	3.110	2.761		17.8	20.0	-11.2	20.0
1,4-Dichlorobenzene	Ave	1.539	1.409	0.5000	18.3	20.0	-8.4	20.0
Benzyl chloride	Qua2		0.6488		21.5	20.0	7.5	50.0
Indan	Ave	3.283	2.905		17.7	20.0	-11.5	20.0
p-Diethylbenzene	Ave	1.838	1.688		18.4	20.0	-8.1	20.0
n-Butylbenzene	Ave	1.736	1.576		18.1	20.0	-9.3	20.0
1,2-Dichlorobenzene	Ave	1.581	1.480	0.4000	18.7	20.0	-6.4	20.0
1,2,4,5-Tetramethylbenzene	Ave	2.823	2.686		19.0	20.0	-4.9	20.0
1,2-Dibromo-3-Chloropropane	QuaF		0.0634	0.0500	13.6	20.0	-32.2	50.0
1,3,5-Trichlorobenzene	Ave	1.247	1.199		19.2	20.0	-3.8	20.0
1,2,4-Trichlorobenzene	Ave	0.9698	0.7976	0.2000	16.4	20.0	-17.8	20.0
Hexachlorobutadiene	Ave	0.4625	0.3870		16.7	20.0	-16.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706392/3 Calibration Date: 07/07/2020 09:33

Instrument ID: CVOAMS1 Calib Start Date: 06/11/2020 02:04

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 06/11/2020 04:26

Lab File ID: A90814.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.767	1.137		12.9	20.0	-35.7	50.0
1,2,3-Trichlorobenzene	Ave	0.6290	0.4324		13.7	20.0	-31.3*	20.0
Monochloropentafluoroethane	Ave	0.0311			0.550	20.0		
Dibromofluoromethane (Surr)	Ave	0.2328	0.2279		48.9	50.0	-2.1	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2659	0.2420		45.5	50.0	-9.0	20.0
Toluene-d8 (Surr)	Ave	1.263	1.262		50.0	50.0	-0.0	20.0
Bromofluorobenzene	Ave	0.3657	0.3752		51.3	50.0	2.6	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90814.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jul-2020 09:33:30 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0112826-003
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1
Sublist: chrom-8260624W_1*sub50

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 10:49:01 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: asfawa Date: 08-Jul-2020 07:54:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.648	1.648	0.000	53	15432	20.0	10.4	Ma
3 1,1-Difluoroethane	51	1.660	1.660	0.000	97	44736	20.0	12.7	Ma
4 Dichlorodifluoromethane	85	1.696	1.696	0.000	99	79278	20.0	16.4	
5 Chlorodifluoromethane	51	1.715	1.715	0.000	97	53492	20.0	12.4	
6 Chloromethane	50	1.904	1.904	0.000	99	91993	20.0	16.0	
8 Vinyl chloride	62	2.019	2.019	0.000	98	96533	20.0	17.3	
7 Butadiene	39	2.025	2.025	0.000	91	73358	20.0	16.0	a
9 Bromomethane	94	2.379	2.379	0.000	98	71030	20.0	18.6	
10 Chloroethane	64	2.471	2.471	0.000	99	59954	20.0	19.3	
11 Dichlorofluoromethane	67	2.690	2.690	0.000	98	129113	20.0	18.9	
12 Trichlorofluoromethane	101	2.702	2.702	0.000	76	99907	20.0	19.7	
13 Pentane	72	2.720	2.720	0.000	97	19933	40.0	39.5	
14 Ethyl ether	59	2.946	2.946	0.000	93	42546	20.0	15.6	
15 Ethanol	46	2.958	2.958	0.000	65	11301	800.0	685.6	
16 2-Methyl-1,3-butadiene	53	2.970	2.970	0.000	94	46990	20.0	14.9	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.013	3.013	0.000	70	47165	20.0	15.2	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.092	3.092	0.000	90	88488	20.0	16.9	a
19 Acrolein	56	3.147	3.147	0.000	80	11026	40.0	99.2	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.159	3.159	0.000	86	63545	20.0	18.2	
21 1,1-Dichloroethene	96	3.178	3.178	0.000	97	55584	20.0	16.8	
22 Acetone	58	3.287	3.287	0.000	88	25179	100.0	77.8	
23 Iodomethane	142	3.361	3.361	0.000	96	111893	20.0	18.6	
24 Carbon disulfide	76	3.391	3.391	0.000	98	217840	20.0	16.9	
25 Isopropyl alcohol	45	3.397	3.397	0.000	35	28864	200.0	198.9	
26 3-Chloro-1-propene	76	3.525	3.525	0.000	95	38216	20.0	16.3	
27 Methyl acetate	43	3.543	3.543	0.000	71	75084	40.0	32.9	
28 Cyclopentene	67	3.550	3.550	0.000	93	150613	20.0	17.3	
29 Acetonitrile	41	3.604	3.604	0.000	99	63501	200.0	190.3	
30 Methylene Chloride	84	3.665	3.665	0.000	86	69957	20.0	17.4	
* 31 TBA-d9 (IS)	65	3.678	3.678	0.000	85	212655	1000.0	1000.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
32 2-Methyl-2-propanol	59	3.745	3.745	0.000	92	35927	200.0	175.9	
33 Methyl tert-butyl ether	73	3.830	3.830	0.000	97	139616	20.0	18.4	
34 trans-1,2-Dichloroethene	96	3.848	3.848	0.000	92	61019	20.0	17.7	
35 Acrylonitrile	53	3.928	3.928	0.000	96	215288	200.0	169.5	
36 Hexane	43	3.995	3.995	0.000	90	45503	20.0	17.0	
37 Isopropyl ether	45	4.202	4.202	0.000	98	162304	20.0	16.1	
38 1,1-Dichloroethane	63	4.232	4.232	0.000	99	96853	20.0	17.0	
39 Vinyl acetate	86	4.238	4.238	0.000	100	15039	40.0	42.4	
40 2-Chloro-1,3-butadiene	88	4.275	4.275	0.000	87	53948	20.0	19.3	
41 Tert-butyl ethyl ether	59	4.488	4.488	0.000	91	147726	20.0	18.5	
* 42 2-Butanone-d5	46	4.665	4.665	0.000	92	252630	250.0	250.0	
43 2,2-Dichloropropane	97	4.690	4.690	0.000	61	14405	20.0	18.1	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	98	65731	20.0	18.2	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	97	31584	100.0	102.1	
45 Ethyl acetate	70	4.714	4.714	0.000	94	10121	40.0	41.4	
47 Methyl acrylate	55	4.757	4.757	0.000	99	43226	20.0	19.0	
48 Propionitrile	54	4.830	4.830	0.000	99	75688	200.0	209.7	
50 Tetrahydrofuran	72	4.897	4.897	0.000	66	14101	40.0	40.7	
49 Chlorobromomethane	128	4.897	4.897	0.000	74	33434	20.0	19.5	
51 Methacrylonitrile	67	4.909	4.909	0.000	89	231245	200.0	184.3	
52 Chloroform	83	4.933	4.933	0.000	99	95792	20.0	18.7	
53 Cyclohexane	56	5.049	5.049	0.000	77	105200	20.0	18.0	
55 1,1,1-Trichloroethane	97	5.055	5.055	0.000	63	69828	20.0	18.7	
$ 54 Dibromofluoromethane (Surr)	113	5.061	5.061	0.000	98	127719	50.0	48.9	
56 Carbon tetrachloride	117	5.159	5.159	0.000	97	46898	20.0	22.4	
57 1,1-Dichloropropene	75	5.177	5.177	0.000	99	76632	20.0	18.9	
58 Isobutyl alcohol	43	5.257	5.257	0.000	89	24758	500.0	524.0	
59 Isooctane	57	5.305	5.305	0.000	95	190281	20.0	18.4	
60 Benzene	78	5.336	5.336	0.000	95	225235	20.0	18.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	94	135651	50.0	45.5	
62 Isopropyl acetate	43	5.360	5.360	0.000	97	125200	20.0	17.1	
63 Tert-amyl methyl ether	87	5.372	5.372	0.000	94	48377	20.0	20.0	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	96	63039	20.0	17.6	
65 n-Heptane	71	5.433	5.433	0.000	89	61098	20.0	16.0	
* 66 Fluorobenzene	96	5.561	5.561	0.000	99	560455	50.0	50.0	
67 n-Butanol	56	5.769	5.769	0.000	84	16760	500.0	579.2	
68 Trichloroethene	95	5.848	5.848	0.000	96	54669	20.0	17.9	
70 Ethyl acrylate	55	5.921	5.921	0.000	95	56064	20.0	17.7	a
69 Methylcyclohexane	83	5.958	5.958	0.000	93	113985	20.0	20.1	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	92	52696	20.0	17.0	
73 Methyl methacrylate	100	6.128	6.128	0.000	83	24667	40.0	38.4	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	92	31947	1000.0	1000.0	
74 n-Propyl acetate	43	6.165	6.165	0.000	98	51205	20.0	15.9	
76 1,4-Dioxane	88	6.177	6.177	0.000	27	13315	400.0	389.0	
75 Dibromomethane	93	6.214	6.214	0.000	94	31796	20.0	17.5	
77 Dichlorobromomethane	83	6.336	6.336	0.000	99	53308	20.0	18.3	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	94	30027	20.0	16.8	
79 2-Nitropropane	41	6.622	6.622	0.000	90	10166	40.0	44.2	a
80 Epichlorohydrin	57	6.701	6.701	0.000	98	88352	400.0	432.8	
81 cis-1,3-Dichloropropene	75	6.744	6.744	0.000	89	67353	20.0	18.3	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	94	229927	100.0	102.1	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	99	503130	50.0	50.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
84 Toluene	91	6.988	6.988	0.000	92	226775	20.0	18.6	
85 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	96	55046	20.0	20.5	
86 Ethyl methacrylate	69	7.207	7.207	0.000	82	55160	20.0	16.5	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	97	37741	20.0	18.1	
88 Tetrachloroethene	166	7.390	7.390	0.000	95	53306	20.0	18.6	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	91	78646	20.0	18.3	
90 2-Hexanone	43	7.500	7.500	0.000	94	138656	100.0	96.0	
91 n-Butyl acetate	73	7.549	7.549	0.000	98	11568	20.0	17.8	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	33563	20.0	19.7	
93 Ethylene Dibromide	107	7.720	7.720	0.000	98	42219	20.0	19.6	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	83	398656	50.0	50.0	
95 Chlorobenzene	112	8.024	8.024	0.000	97	144285	20.0	19.1	
96 Ethylbenzene	106	8.061	8.061	0.000	98	80965	20.0	18.2	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	91	39382	20.0	22.6	
98 m-Xylene & p-Xylene	106	8.140	8.140	0.000	98	98659	20.0	18.4	
99 n-Butyl acrylate	73	8.341	8.341	0.000	99	27444	20.0	16.0	
100 o-Xylene	106	8.396	8.396	0.000	95	102903	20.0	18.9	
101 Styrene	104	8.408	8.408	0.000	95	161634	20.0	19.3	
102 Amyl acetate (mixed isomers)	43	8.475	8.475	0.000	92	62862	20.0	13.2	
103 Bromoform	173	8.555	8.555	0.000	97	18493	20.0	21.7	
104 Isopropylbenzene	105	8.603	8.603	0.000	95	264166	20.0	18.4	
$ 105 4-Bromofluorobenzene	174	8.731	8.731	0.000	93	149569	50.0	51.3	
106 1,1,2,2-Tetrachloroethane	83	8.817	8.817	0.000	98	59257	20.0	17.0	
107 Bromobenzene	156	8.829	8.829	0.000	97	62641	20.0	18.4	
108 N-Propylbenzene	91	8.841	8.841	0.000	99	315178	20.0	18.0	
109 trans-1,4-Dichloro-2-butene	53	8.860	8.860	0.000	73	12673	20.0	15.2	
110 1,2,3-Trichloropropane	110	8.860	8.860	0.000	95	18266	20.0	17.8	
111 4-Ethyltoluene	105	8.908	8.908	0.000	98	253718	20.0	17.2	
112 2-Chlorotoluene	91	8.920	8.920	0.000	96	227601	20.0	17.9	
113 1,3,5-Trimethylbenzene	105	8.945	8.945	0.000	94	225338	20.0	17.8	a
114 Butyl Methacrylate	87	8.969	8.969	0.000	87	58502	20.0	13.9	
115 4-Chlorotoluene	91	8.988	8.988	0.000	97	176995	20.0	18.1	
116 tert-Butylbenzene	119	9.128	9.128	0.000	95	179411	20.0	18.5	
117 1,2,4-Trimethylbenzene	105	9.158	9.158	0.000	97	230894	20.0	17.8	
118 sec-Butylbenzene	105	9.250	9.250	0.000	99	297029	20.0	18.3	
119 4-Isopropyltoluene	119	9.329	9.329	0.000	98	256504	20.0	18.6	
120 1,3-Dichlorobenzene	146	9.359	9.359	0.000	96	124147	20.0	18.3	
* 121 1,4-Dichlorobenzene-d4	152	9.402	9.402	0.000	94	223603	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.414	9.414	0.000	79	126014	20.0	18.3	
123 1,2,3-Trimethylbenzene	105	9.414	9.414	0.000	97	246921	20.0	17.8	
124 Benzyl chloride	91	9.500	9.500	0.000	99	58028	20.0	21.5	
125 2,3-Dihydroindene	117	9.548	9.548	0.000	93	259845	20.0	17.7	
126 p-Diethylbenzene	119	9.555	9.555	0.000	96	150992	20.0	18.4	
127 n-Butylbenzene	92	9.573	9.573	0.000	97	140916	20.0	18.1	
128 1,2-Dichlorobenzene	146	9.652	9.652	0.000	97	132338	20.0	18.7	
129 1,2,4,5-Tetramethylbenzene	119	10.073	10.073	0.000	98	240198	20.0	19.0	
130 1,2-Dibromo-3-Chloropropane	75	10.189	10.189	0.000	91	5666	20.0	13.6	
131 1,3,5-Trichlorobenzene	180	10.286	10.286	0.000	97	107276	20.0	19.2	
132 1,2,4-Trichlorobenzene	180	10.798	10.798	0.000	94	71339	20.0	16.4	
133 Hexachlorobutadiene	225	10.877	10.877	0.000	91	34615	20.0	16.7	
134 Naphthalene	128	11.048	11.048	0.000	99	101725	20.0	12.9	
135 1,2,3-Trichlorobenzene	180	11.274	11.274	0.000	95	38675	20.0	13.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 136 1,2-Dichloroethene, Total	100				0		40.0	35.8	
S 137 Xylenes, Total	100				0		40.0	37.3	
S 138 Total BTEX	1				0		100.0	92.4	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

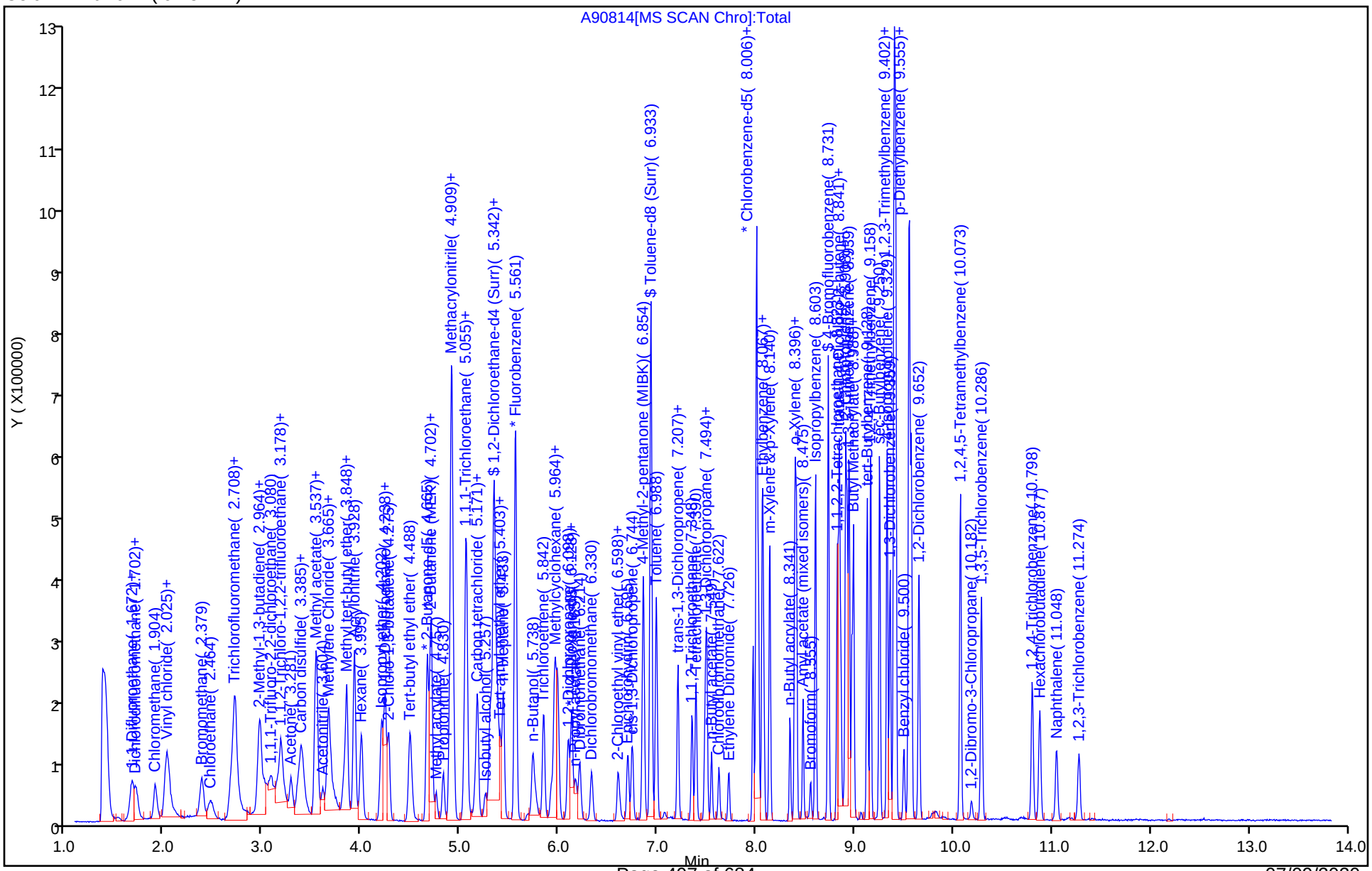
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90814.D

Injection Date:	07-Jul-2020 09:33:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	CCVIS			Worklist Smp#:	3
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

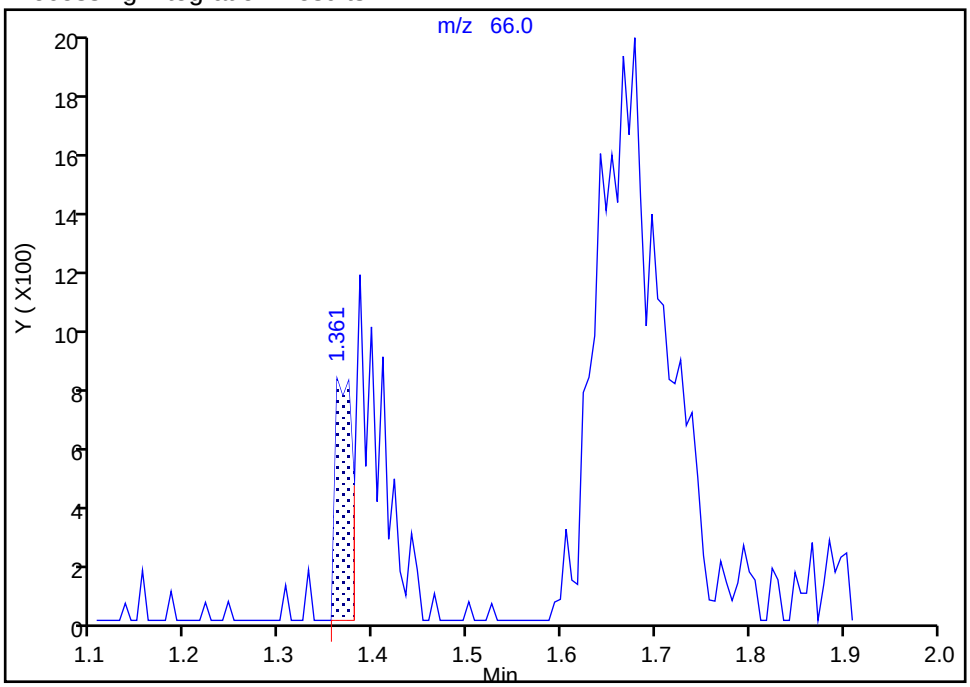
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Injection Date:	07-Jul-2020 09:33:30	Instrument ID:	CVOAMS1		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 2

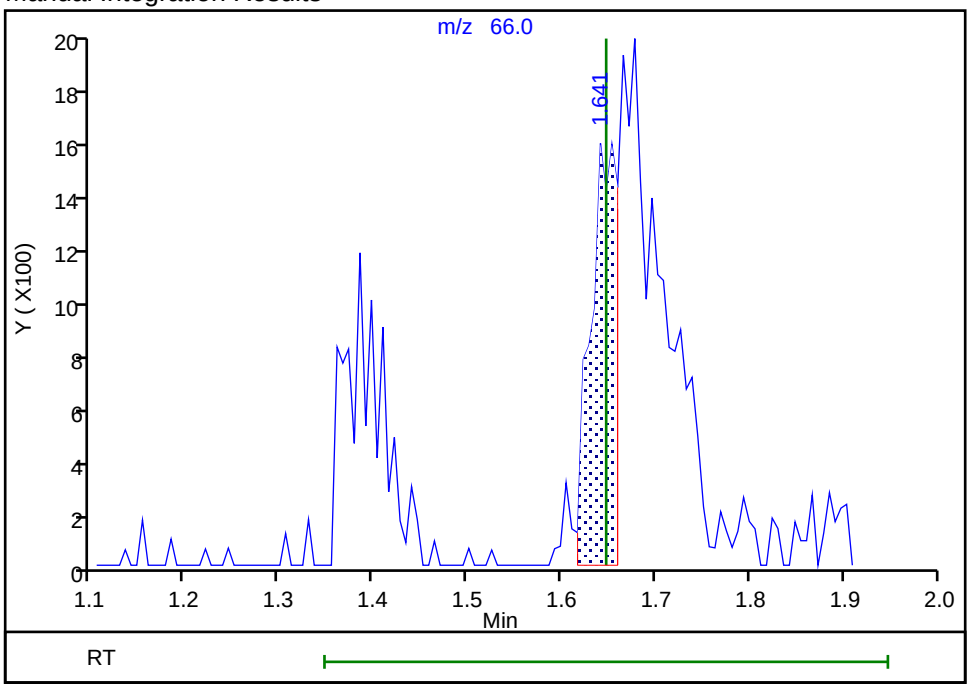
Processing Integration Results

RT: 1.36
Area: 1006
Amount: 1.050733
Amount Units: ug/l



Manual Integration Results

RT: 1.64
Area: 3059
Amount: 10.447749
Amount Units: ug/l



Reviewer: asfawa, 08-Jul-2020 07:53:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

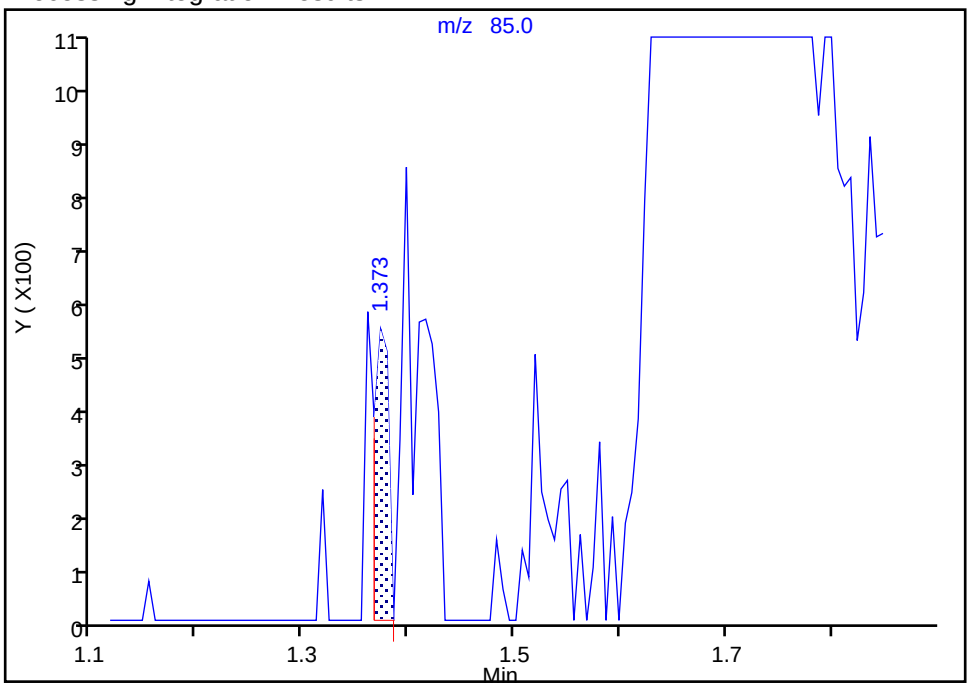
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Injection Date:	07-Jul-2020 09:33:30	Instrument ID:	CVOAMS1		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 3

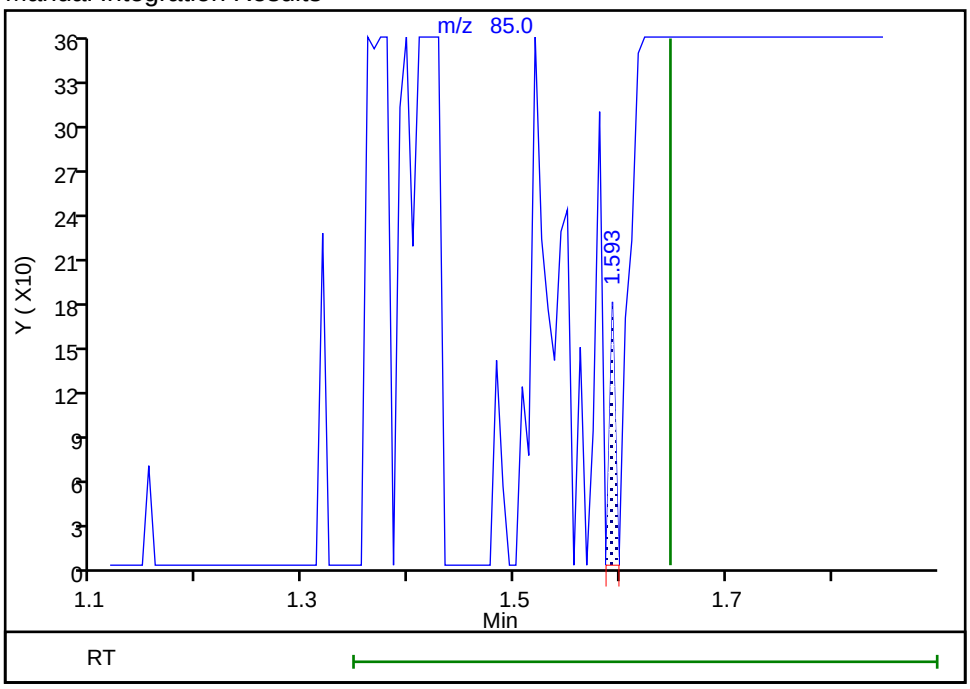
Processing Integration Results

RT: 1.37
Area: 485
Amount: 1.050733
Amount Units: ug/l



Manual Integration Results

RT: 1.59
Area: 66
Amount: 10.447749
Amount Units: ug/l



Reviewer: asfawa, 08-Jul-2020 07:53:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

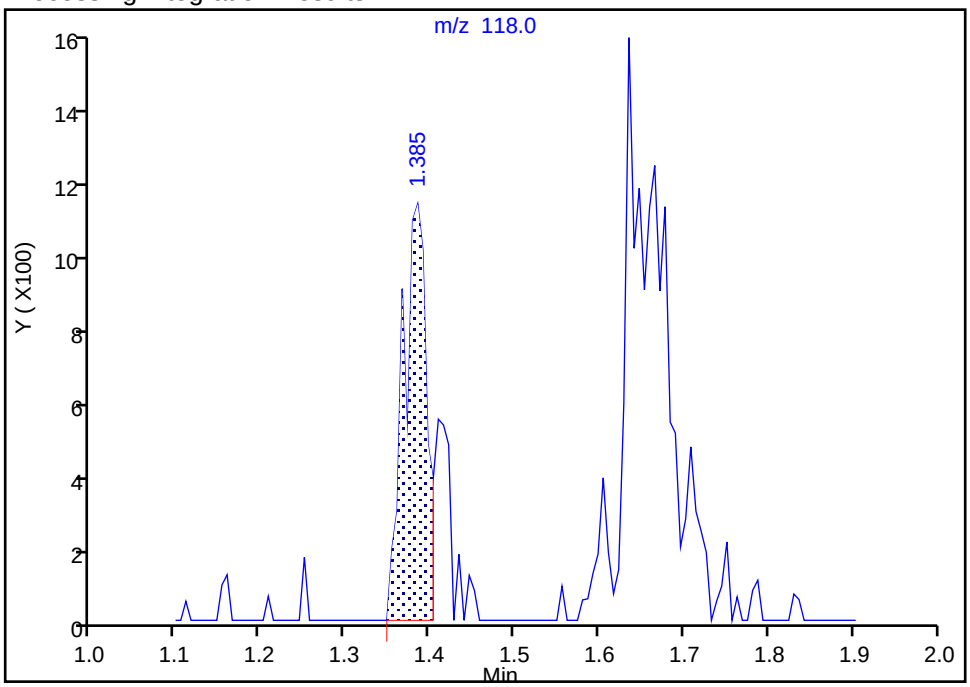
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Injection Date: 07-Jul-2020 09:33:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 4

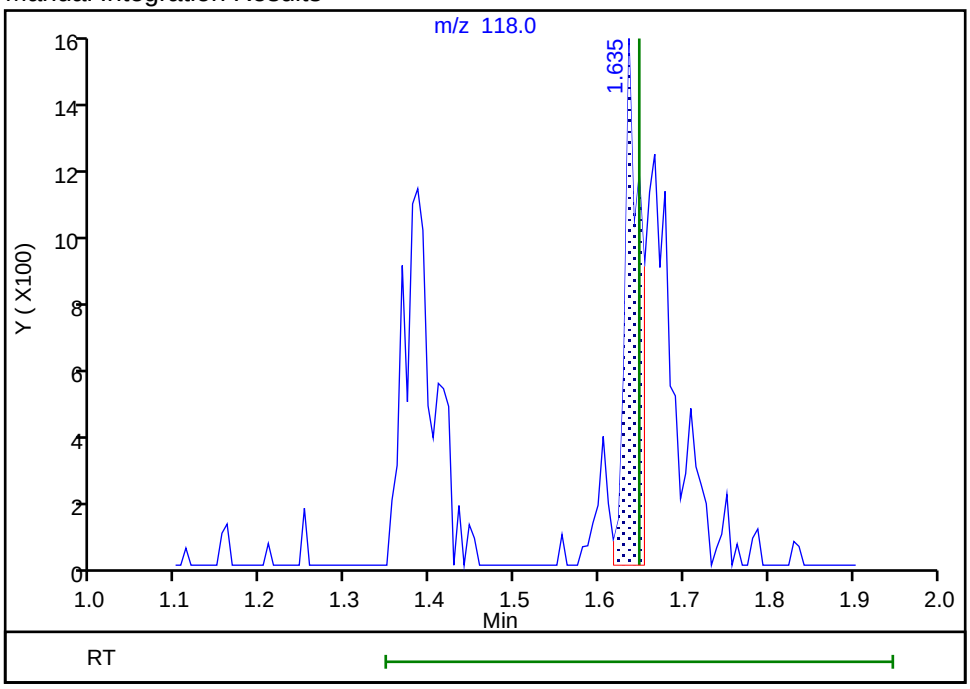
Processing Integration Results

RT: 1.39
Area: 2207
Amount: 1.050733
Amount Units: ug/l



Manual Integration Results

RT: 1.64
Area: 2019
Amount: 10.447749
Amount Units: ug/l



Reviewer: asfawa, 08-Jul-2020 07:53:52
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

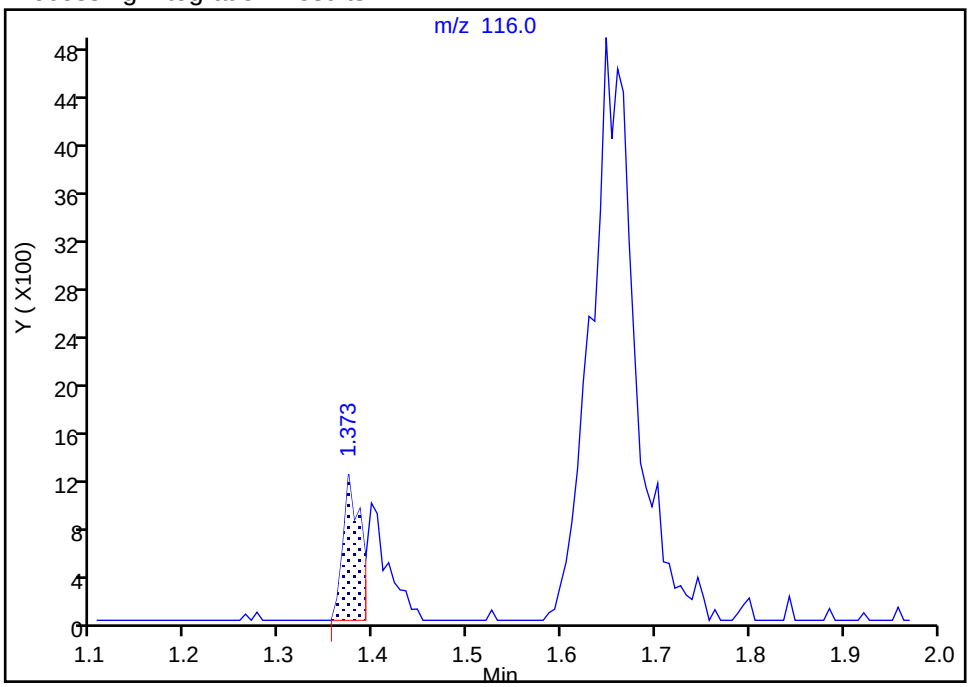
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Injection Date: 07-Jul-2020 09:33:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

2 Chlorotrifluoroethene, CAS: 79-38-9

Signal: 1

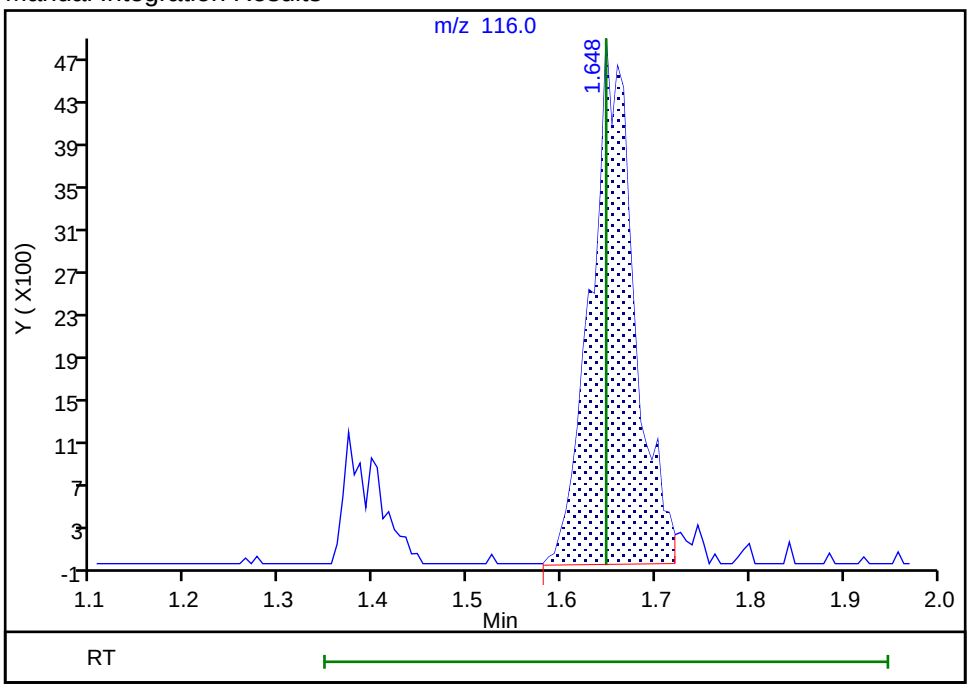
Processing Integration Results

RT: 1.37
Area: 1552
Amount: 1.050733
Amount Units: ug/l



Manual Integration Results

RT: 1.65
Area: 15432
Amount: 10.447749
Amount Units: ug/l



Reviewer: xuyvo, 08-Jul-2020 10:48:57
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

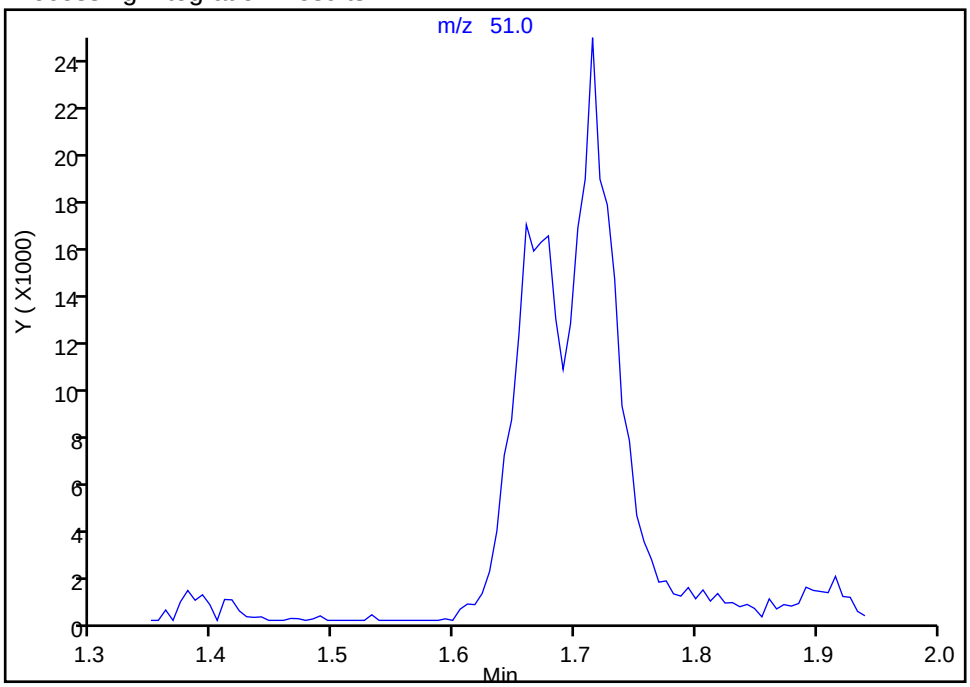
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Injection Date: 07-Jul-2020 09:33:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

3 1,1-Difluoroethane, CAS: 75-37-6

Signal: 1

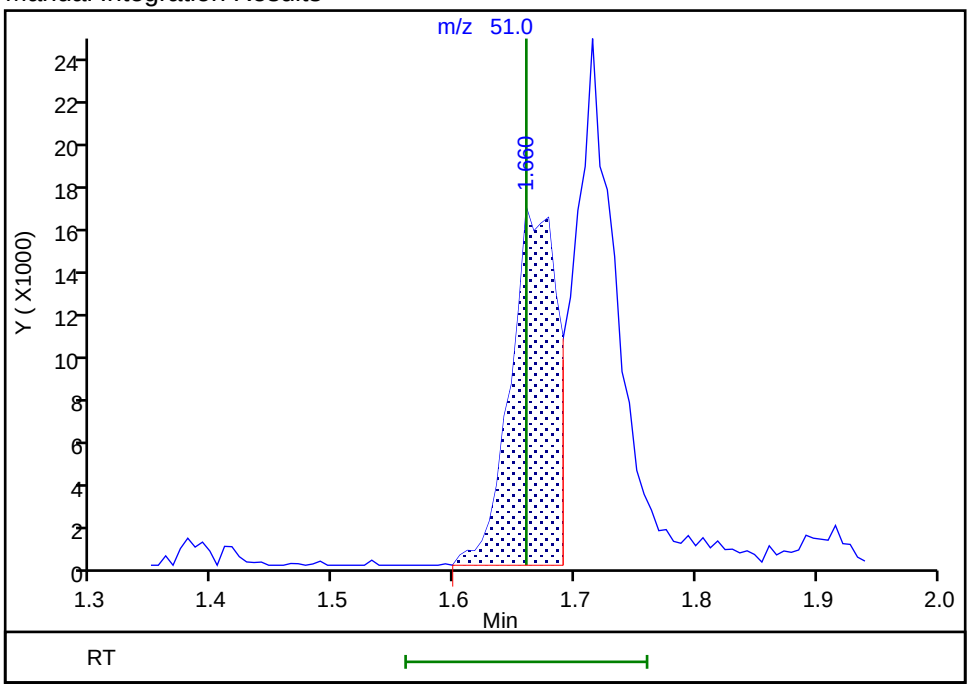
Not Detected
Expected RT: 1.66

Processing Integration Results



Manual Integration Results

RT: 1.66
Area: 44736
Amount: 12.744869
Amount Units: ug/l



Reviewer: xuyvo, 08-Jul-2020 10:46:32
Audit Action: Assigned New Baseline Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

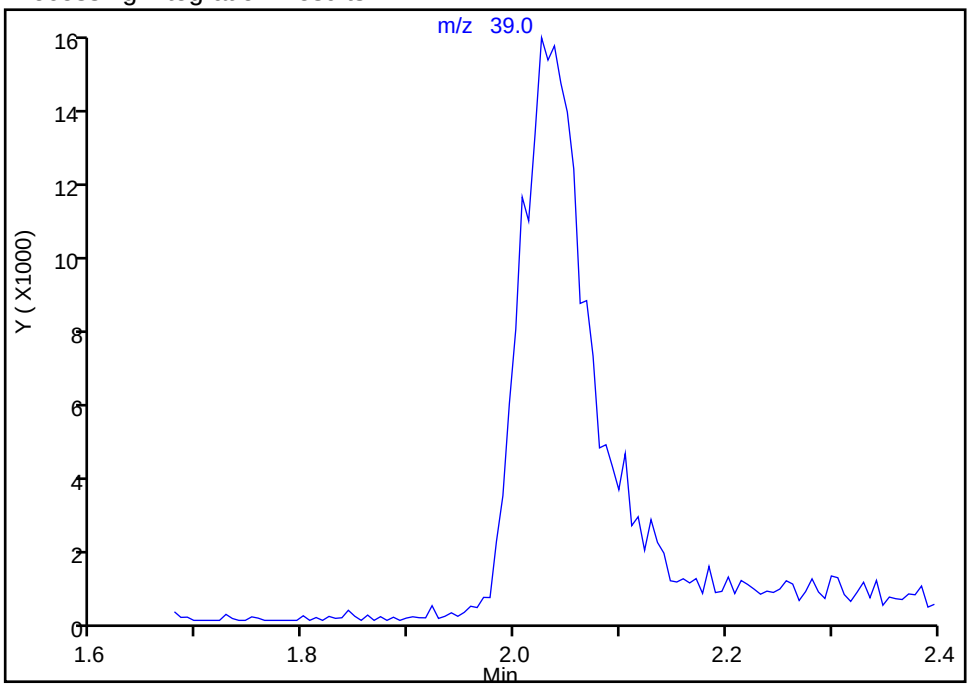
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90814.D
Injection Date: 07-Jul-2020 09:33:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

7 Butadiene, CAS: 106-99-0

Signal: 1

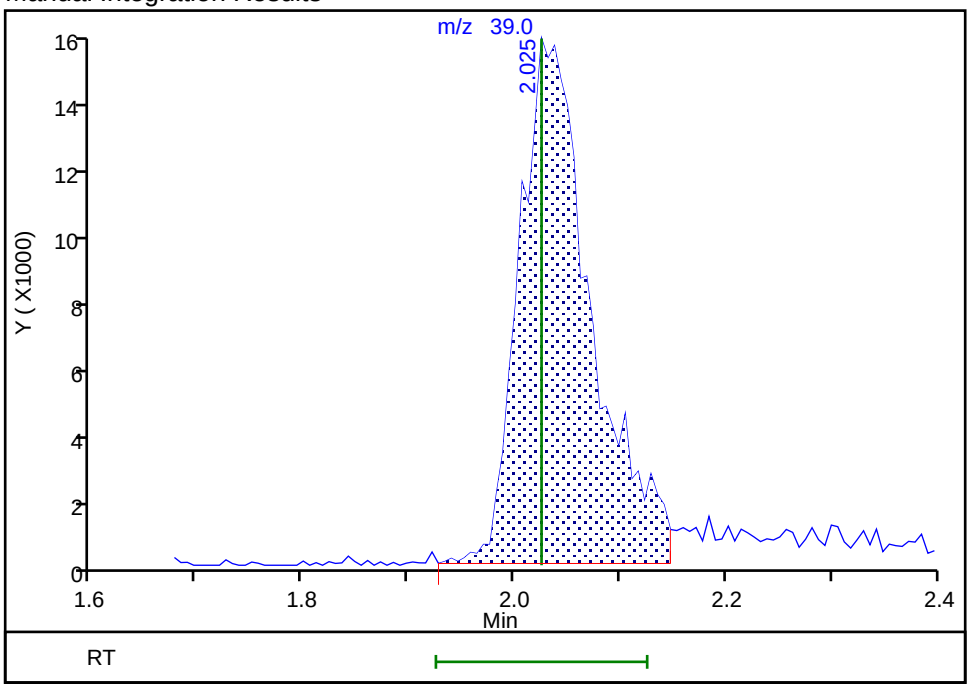
Not Detected
Expected RT: 2.03

Processing Integration Results



Manual Integration Results

RT: 2.03
Area: 73358
Amount: 15.990980
Amount Units: ug/l



Reviewer: moroneyc, 07-Jul-2020 09:56:39
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

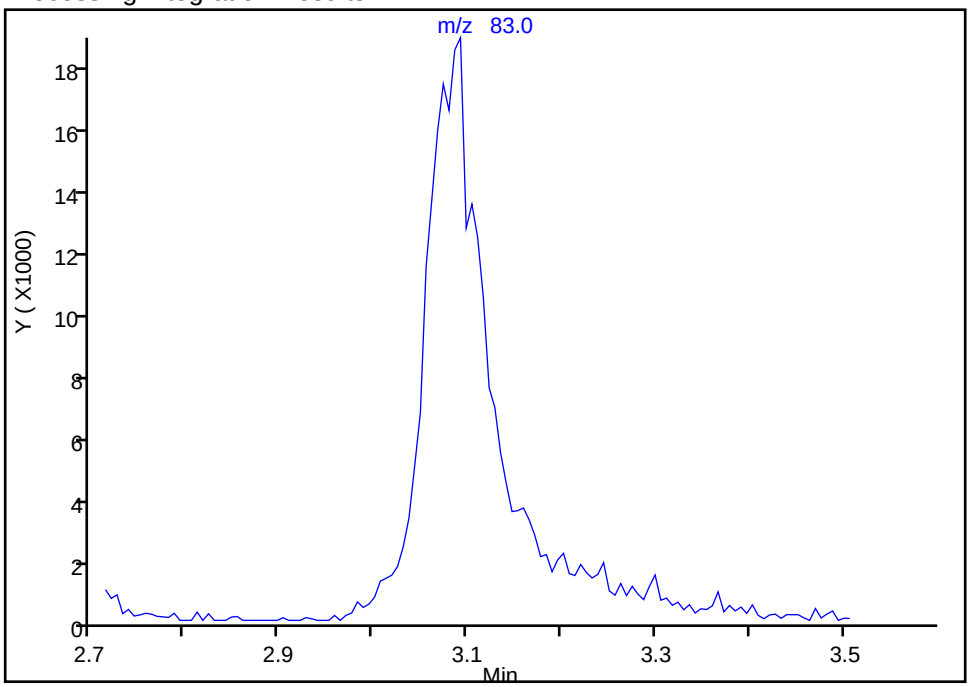
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Injection Date:	07-Jul-2020 09:33:30	Instrument ID:	CVOAMS1		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

18 1,1,1-Trifluoro-2,2-dichloroetha, CAS: 306-83-2

Signal: 1

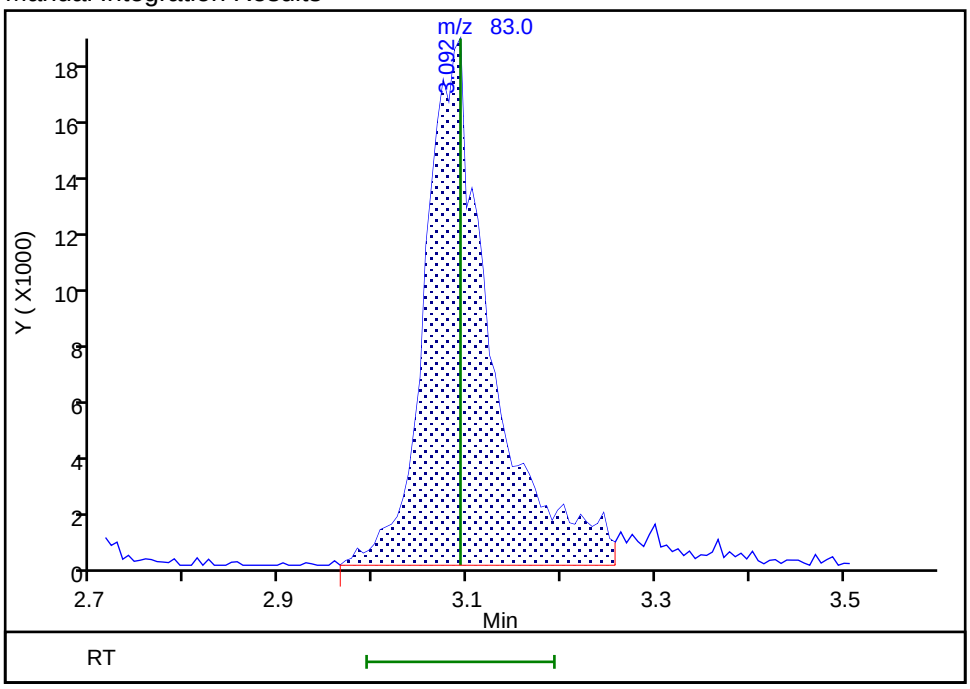
Not Detected
Expected RT: 3.09

Processing Integration Results



Manual Integration Results

RT: 3.09
Area: 88488
Amount: 16.893337
Amount Units: ug/l



Reviewer: moroneyc, 07-Jul-2020 09:56:47
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

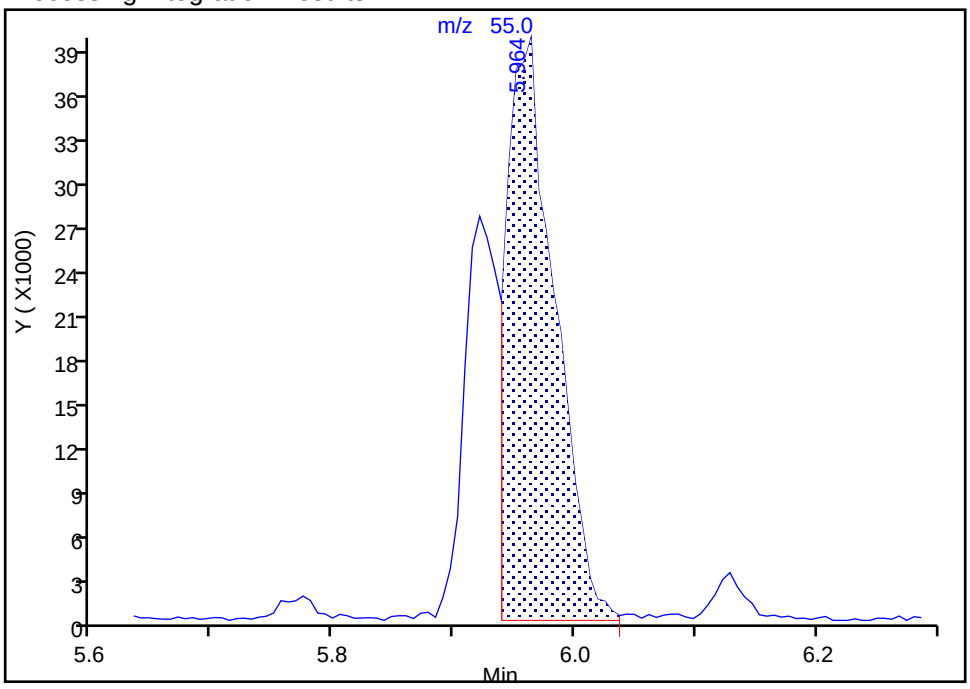
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90814.D
Injection Date: 07-Jul-2020 09:33:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

70 Ethyl acrylate, CAS: 140-88-5

Signal: 1

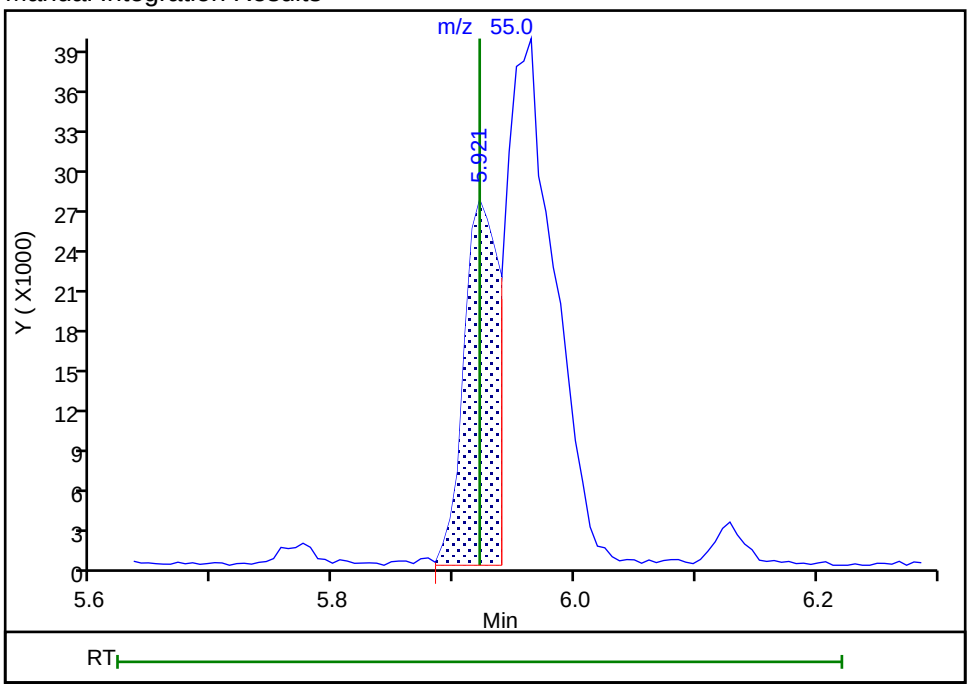
Processing Integration Results

RT: 5.96
Area: 110180
Amount: 34.358056
Amount Units: ug/l



Manual Integration Results

RT: 5.92
Area: 56064
Amount: 17.669139
Amount Units: ug/l



Reviewer: xuyvo, 08-Jul-2020 10:47:06
Audit Action: Assigned Compound ID Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

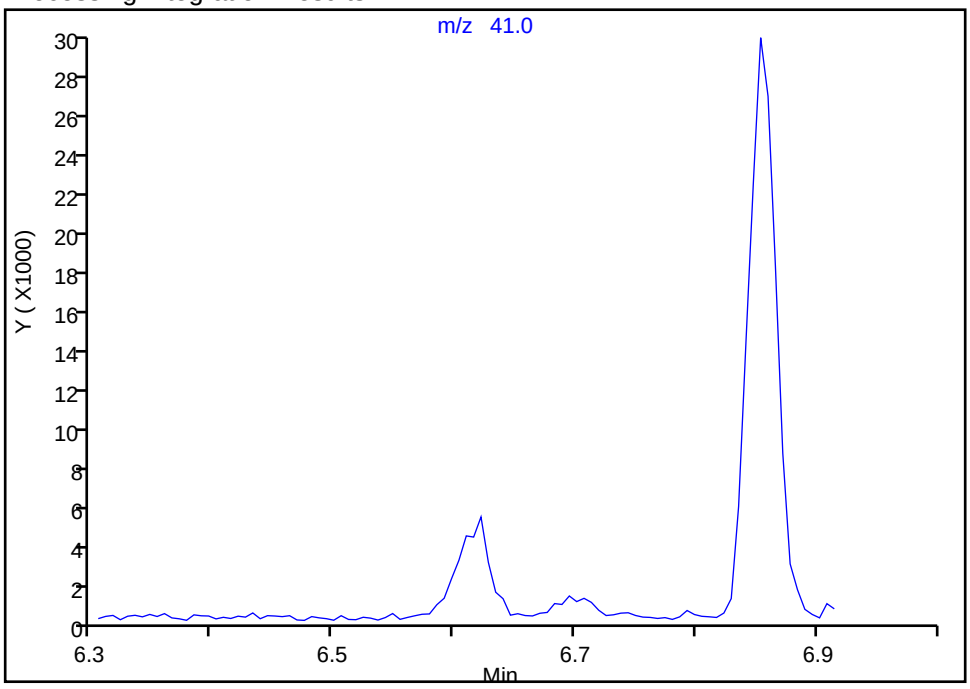
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90814.D
Injection Date: 07-Jul-2020 09:33:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

79 2-Nitropropane, CAS: 79-46-9

Signal: 1

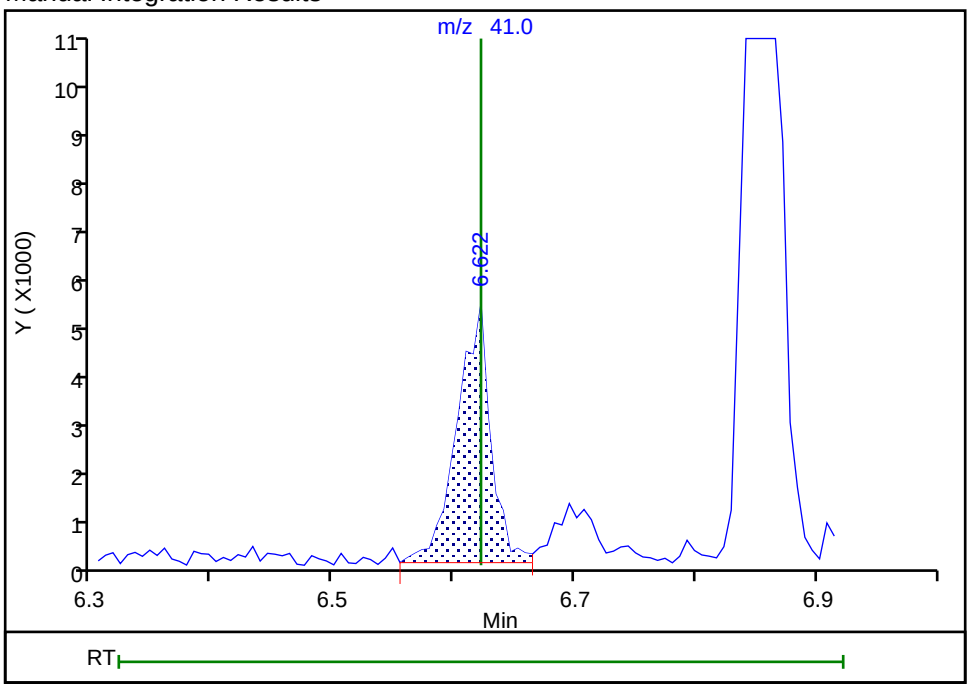
Not Detected
Expected RT: 6.62

Processing Integration Results



Manual Integration Results

RT: 6.62
Area: 10166
Amount: 44.188405
Amount Units: ug/l



Reviewer: xuyvo, 08-Jul-2020 10:47:14
Audit Action: Assigned Compound ID Audit Reason: Wrong peak

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

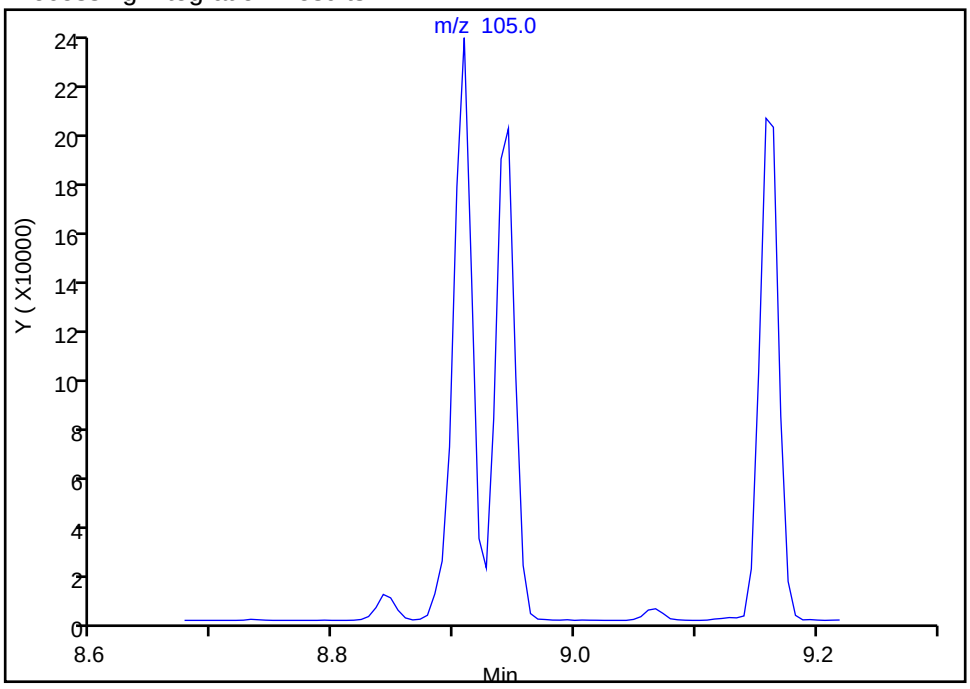
Data File:	\\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90814.D				
Injection Date:	07-Jul-2020 09:33:30	Instrument ID:	CVOAMS1		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	2	Worklist Smp#:	3
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

113 1,3,5-Trimethylbenzene, CAS: 108-67-8

Signal: 1

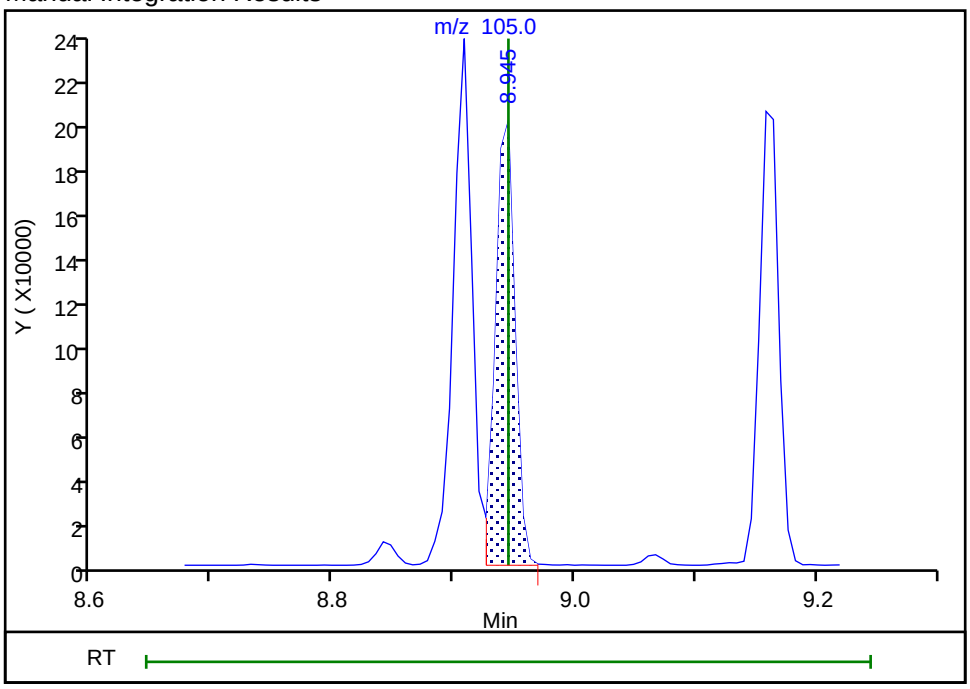
Not Detected
Expected RT: 8.94

Processing Integration Results



RT: 8.94
Area: 225338
Amount: 17.808245
Amount Units: ug/l

Manual Integration Results



Reviewer: moroneyc, 07-Jul-2020 09:57:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

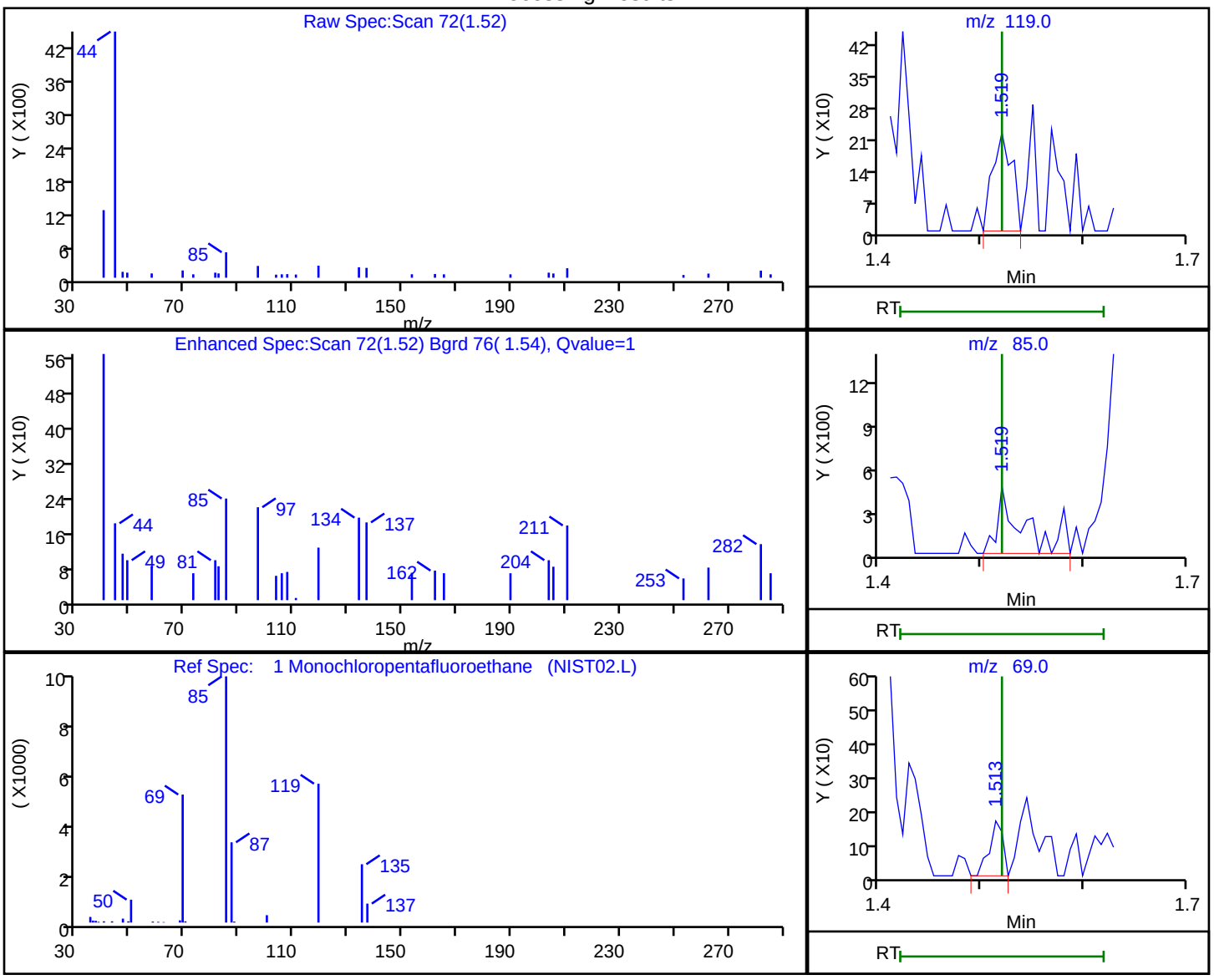
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90814.D
Injection Date: 07-Jul-2020 09:33:30 Instrument ID: CVOAMS1
Lims ID: CCVIS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 2 Worklist Smp#: 3
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

1 Monochloropentafluoroethane, CAS: 76-15-3

Processing Results



RT	Mass	Response	Amount
1.52	119.00	291	0.834172
1.52	85.00	812	
1.51	69.00	153	
1.53	135.00	198	

Reviewer: asfawa, 08-Jul-2020 07:53:55
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706558/4 Calibration Date: 07/07/2020 20:29

Instrument ID: CVOAMS6 Calib Start Date: 07/01/2020 16:17

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/01/2020 18:44

Lab File ID: F98171.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Dichlorodifluoromethane	Ave	0.3510	0.1586	0.1000	9.04	20.0	-54.8*	20.0
Chloromethane	Ave	0.3581	0.1815	0.1000	10.1	20.0	-49.3*	20.0
Butadiene	Ave	0.3162	0.1979		12.5	20.0	-37.4*	20.0
Vinyl chloride	Ave	0.3561	0.2291	0.1000	12.9	20.0	-35.7*	20.0
Bromomethane	Ave	0.2213	0.1736	0.1000	15.7	20.0	-21.5	50.0
Chloroethane	Ave	0.1943	0.1356	0.1000	14.0	20.0	-30.2	50.0
Dichlorofluoromethane	Ave	0.4842	0.3663		15.1	20.0	-24.4*	20.0
Trichlorofluoromethane	Ave	0.3673	0.3216	0.1000	17.5	20.0	-12.4	20.0
Pentane	Ave	2.129	2.057		38.6	40.0	-3.4	20.0
Ethanol	Ave	0.0438	0.0389		710	800	-11.2	50.0
Ethyl ether	Ave	0.2060	0.1857		18.0	20.0	-9.9	20.0
2-Methyl-1,3-butadiene	Ave	0.2376	0.2102		17.7	20.0	-11.6	20.0
Acrolein	Ave	0.7693	0.9099		47.3	40.0	18.3	50.0
Freon TF	Ave	0.2521	0.2767	0.1000	21.9	20.0	9.7	20.0
1,1-Dichloroethene	Ave	0.2582	0.2748	0.1000	21.3	20.0	6.4	20.0
Acetone	QuaF		0.6833	0.0500	71.6	100	-28.4	50.0
Iodomethane	Ave	0.4235	0.4719		22.3	20.0	11.4	20.0
Isopropyl alcohol	Qua2		0.5120		249	200	24.5	50.0
Carbon disulfide	Ave	1.032	1.001	0.1000	19.4	20.0	-2.9	50.0
Allyl chloride	Ave	0.4776	0.3853		16.1	20.0	-19.3	20.0
Methyl acetate	Ave	0.2187	0.1824	0.1000	33.4	40.0	-16.6	20.0
Cyclopentene	Ave	0.7014	0.6628		18.9	20.0	-5.5	20.0
Acetonitrile	Ave	1.261	1.408		223	200	11.7	20.0
Methylene Chloride	Ave	0.3139	0.3195	0.1000	20.4	20.0	1.8	20.0
2-Methyl-2-propanol	Ave	1.124	1.071		191	200	-4.6	50.0
MTBE	Ave	0.6449	0.6443	0.1000	20.0	20.0	-0.0	20.0
trans-1,2-Dichloroethene	Ave	0.2614	0.2720	0.1000	20.8	20.0	4.1	20.0
Acrylonitrile	Ave	0.1198	0.1020		170	200	-14.9	20.0
Hexane	Ave	0.2181	0.1864		17.1	20.0	-14.5	20.0
Isopropyl ether	Ave	0.7545	0.6246		16.6	20.0	-17.2	20.0
1,1-Dichloroethane	Ave	0.4394	0.4272	0.2000	19.4	20.0	-2.8	20.0
Vinyl acetate	Ave	0.0575	0.0602		41.9	40.0	4.6	20.0
2-Chloro-1,3-butadiene	Ave	0.2325	0.2578		22.2	20.0	10.9	20.0
Tert-butyl ethyl ether	Ave	0.6926	0.6487		18.7	20.0	-6.3	20.0
2,2-Dichloropropane	Ave	0.0810	0.0878		21.7	20.0	8.4	20.0
cis-1,2-Dichloroethene	Ave	0.2842	0.2984	0.1000	21.0	20.0	5.0	20.0
2-Butanone	Ave	0.3292	0.3585	0.0500	109	100	8.9	50.0
Ethyl acetate	Ave	0.2738	0.3549		51.9	40.0	29.6*	20.0
Methyl acrylate	Ave	0.3723	0.3042		16.3	20.0	-18.3	20.0
Propionitrile	Ave	1.730	1.843		213	200	6.5	20.0
Bromochloromethane	Ave	0.1364	0.1495		21.9	20.0	9.6	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706558/4 Calibration Date: 07/07/2020 20:29

Instrument ID: CVOAMS6 Calib Start Date: 07/01/2020 16:17

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/01/2020 18:44

Lab File ID: F98171.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Tetrahydrofuran	Ave	0.3594	0.4102		45.7	40.0	14.2	20.0
Methacrylonitrile	Ave	0.1339	0.1239		185	200	-7.5	20.0
Chloroform	Ave	0.4103	0.4225	0.2000	20.6	20.0	3.0	20.0
Cyclohexane	Ave	0.4544	0.4816	0.1000	21.2	20.0	6.0	50.0
1,1,1-Trichloroethane	Ave	0.3621	0.3731	0.1000	20.6	20.0	3.0	20.0
Carbon tetrachloride	Ave	0.2912	0.3067	0.1000	21.1	20.0	5.3	20.0
1,1-Dichloropropene	Ave	0.3540	0.3564		20.1	20.0	0.7	20.0
Isobutyl alcohol	Ave	0.3527	0.2870		407	500	-18.6	50.0
Benzene	Ave	1.559	1.532	0.5000	19.7	20.0	-1.7	20.0
Isopropyl acetate	Ave	0.7228	0.6171		17.1	20.0	-14.6	20.0
Tert-amyl methyl ether	Ave	0.7393	0.7448		20.1	20.0	0.7	20.0
1,2-Dichloroethane	Ave	0.3281	0.3127	0.1000	19.1	20.0	-4.7	20.0
n-Heptane	Ave	0.2100	0.2072		19.7	20.0	-1.3	20.0
n-Butanol	Ave	0.2911	0.2276		391	500	-21.8	50.0
Trichloroethene	Ave	0.2614	0.2649	0.2000	20.3	20.0	1.3	20.0
Ethyl acrylate	Ave	0.6840	0.6480		18.9	20.0	-5.3	20.0
Methylcyclohexane	Ave	0.4991	0.5232	0.1000	21.0	20.0	4.8	50.0
1,2-Dichloropropane	Ave	0.2687	0.2522	0.1000	18.8	20.0	-6.2	20.0
Methyl methacrylate	Ave	0.0818	0.0792		38.7	40.0	-3.2	20.0
1,4-Dioxane	Ave	1.102	1.158		420	400	5.1	50.0
Dibromomethane	Ave	0.1641	0.1583		19.3	20.0	-3.6	20.0
n-Propyl acetate	Ave	0.3782	0.3030		16.0	20.0	-19.9	20.0
Bromodichloromethane	Ave	0.3218	0.3095	0.2000	19.2	20.0	-3.8	20.0
2-Nitropropane	Ave	0.0633	0.0483		30.5	40.0	-23.7*	20.0
2-Chloroethyl vinyl ether	Ave	0.1555	0.1301		16.8	20.0	-16.4	20.0
Epichlorohydrin	Ave	0.2413	0.2543		421	400	5.4	20.0
cis-1,3-Dichloropropene	Ave	0.6123	0.5422	0.2000	17.7	20.0	-11.5	50.0
4-Methyl-2-pentanone	Ave	2.250	2.373	0.0500	105	100	5.5	50.0
Toluene	Ave	1.645	1.613	0.4000	19.6	20.0	-1.9	20.0
trans-1,3-Dichloropropene	Ave	0.5193	0.4673	0.1000	18.0	20.0	-10.0	50.0
Ethyl methacrylate	Ave	0.5226	0.4834		18.5	20.0	-7.5	20.0
1,1,2-Trichloroethane	Ave	0.2832	0.2706	0.1000	19.1	20.0	-4.5	20.0
Tetrachloroethene	Ave	0.3213	0.3572	0.2000	22.2	20.0	11.2	20.0
1,3-Dichloropropane	Ave	0.5926	0.5347		18.0	20.0	-9.8	20.0
2-Hexanone	Ave	1.457	1.504	0.0500	103	100	3.2	50.0
n-Butyl acetate	Ave	0.5782	0.4682		16.2	20.0	-19.0	20.0
Dibromochloromethane	Ave	0.3162	0.3225	0.1000	20.4	20.0	2.0	50.0
1,2-Dibromoethane	Ave	0.3204	0.3241	0.1000	20.2	20.0	1.1	20.0
Chlorobenzene	Ave	1.002	1.022	0.5000	20.4	20.0	1.9	20.0
Ethylbenzene	Ave	0.5792	0.6040	0.1000	20.9	20.0	4.3	20.0
1,1,1,2-Tetrachloroethane	Ave	0.3284	0.3491		21.3	20.0	6.3	20.0

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706558/4 Calibration Date: 07/07/2020 20:29

Instrument ID: CVOAMS6 Calib Start Date: 07/01/2020 16:17

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/01/2020 18:44

Lab File ID: F98171.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
m&p-Xylene	Ave	0.6921	0.7258	0.1000	21.0	20.0	4.9	20.0
n-Butyl acrylate	Ave	0.3207	0.2979		18.6	20.0	-7.1	20.0
o-Xylene	Ave	0.7107	0.7537	0.3000	21.2	20.0	6.0	20.0
Styrene	Ave	1.141	1.212	0.3000	21.3	20.0	6.3	20.0
Amyl acetate (mixed isomers)	Ave	1.330	1.069		16.1	20.0	-19.6	20.0
Bromoform	Ave	0.2017	0.2155	0.1000	21.4	20.0	6.9	20.0
Isopropylbenzene	Ave	1.810	1.908	0.1000	21.1	20.0	5.4	20.0
Bromobenzene	Ave	0.7510	0.7978		21.2	20.0	6.2	20.0
1,1,2,2-Tetrachloroethane	Ave	0.9418	0.8699	0.3000	18.5	20.0	-7.6	20.0
N-Propylbenzene	Ave	4.366	4.149		19.0	20.0	-5.0	20.0
1,2,3-Trichloropropane	Ave	0.2760	0.2532		18.3	20.0	-8.3	20.0
trans-1,4-Dichloro-2-butene	Ave	0.2340	0.1948		16.7	20.0	-16.7	20.0
2-Chlorotoluene	Ave	2.908	2.818		19.4	20.0	-3.1	20.0
4-Ethyltoluene	Ave	3.463	3.491		20.2	20.0	0.8	20.0
1,3,5-Trimethylbenzene	Ave	2.978	2.932		19.7	20.0	-1.5	20.0
4-Chlorotoluene	Ave	2.569	2.448		19.1	20.0	-4.7	20.0
Butyl Methacrylate	Ave	1.087	1.041		19.2	20.0	-4.2	20.0
tert-Butylbenzene	Ave	2.347	2.372		20.2	20.0	1.1	20.0
1,2,4-Trimethylbenzene	Ave	3.100	3.128		20.2	20.0	0.9	20.0
sec-Butylbenzene	Ave	3.836	3.796		19.8	20.0	-1.0	20.0
1,3-Dichlorobenzene	Ave	1.511	1.613	0.6000	21.3	20.0	6.7	20.0
4-Isopropyltoluene	Ave	3.179	3.297		20.7	20.0	3.7	20.0
1,4-Dichlorobenzene	Ave	1.546	1.625	0.5000	21.0	20.0	5.1	20.0
1,2,3-Trimethylbenzene	Ave	3.222	3.163		19.6	20.0	-1.8	20.0
Benzyl chloride	Ave	1.700	1.682		19.8	20.0	-1.0	50.0
Indan	Ave	3.167	3.208		20.3	20.0	1.3	20.0
p-Diethylbenzene	Ave	1.752	1.813		20.7	20.0	3.5	20.0
n-Butylbenzene	Ave	1.798	1.803		20.1	20.0	0.3	20.0
1,2-Dichlorobenzene	Ave	1.580	1.674	0.4000	21.2	20.0	5.9	20.0
1,2,4,5-Tetramethylbenzene	Ave	3.191	3.236		20.3	20.0	1.4	20.0
1,2-Dibromo-3-Chloropropane	Ave	0.2143	0.2044	0.0500	19.1	20.0	-4.6	50.0
1,3,5-Trichlorobenzene	Ave	1.217	1.337		22.0	20.0	9.9	20.0
1,2,4-Trichlorobenzene	Ave	1.158	1.261	0.2000	21.8	20.0	8.8	20.0
Hexachlorobutadiene	Ave	0.4224	0.4610		21.8	20.0	9.1	20.0
Naphthalene	Ave	3.513	3.623		20.6	20.0	3.1	50.0
1,2,3-Trichlorobenzene	Ave	1.085	1.215		22.4	20.0	12.1	20.0
1,1,1-Trifluoro-2,2-dichloro ethane	Ave	0.3753			0.620	20.0		
1,1-Difluoroethane	Ave	0.2768			0.760	20.0		
1,2-Dichloro-1,1,2-trifluoro ethane	Ave	0.2167			0.280	20.0		
Chlorodifluoromethane	Ave	0.3449			0.670	20.0		

FORM VII
GC/MS VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-706558/4 Calibration Date: 07/07/2020 20:29

Instrument ID: CVOAMS6 Calib Start Date: 07/01/2020 16:17

GC Column: Rtx-624 ID: 0.25(mm) Calib End Date: 07/01/2020 18:44

Lab File ID: F98171.D Conc. Units: ug/L Heated Purge: (Y/N) N

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Chlorotrifluoroethene	Ave	0.1156			0.460	20.0		
Monochloropentafluoroethane	Ave	0.0283			0.550	20.0		
Dibromofluoromethane (Surr)	Ave	0.2216	0.2259		51.0	50.0	1.9	20.0
1,2-Dichloroethane-d4 (Surr)	Ave	0.2739	0.2455		44.8	50.0	-10.4	20.0
Toluene-d8 (Surr)	Ave	1.378	1.342		48.7	50.0	-2.7	20.0
Bromofluorobenzene	Ave	0.3645	0.3876		53.2	50.0	6.3	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98171.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jul-2020 20:29:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: CCVIS
Misc. Info.: 460-0112863-004
Operator ID: Instrument ID: CVOAMS6
Sublist: chrom-8260624W6*sub55

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 10:28:29 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: yallabg Date: 07-Jul-2020 21:38:16

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.599	1.599	0.000	99	29092	20.0	9.04	
6 Chloromethane	50	1.771	1.771	0.000	99	33297	20.0	10.1	
7 Butadiene	54	1.845	1.845	0.000	94	36295	20.0	12.5	
8 Vinyl chloride	62	1.862	1.862	0.000	98	42019	20.0	12.9	
9 Bromomethane	94	2.133	2.133	0.000	97	31848	20.0	15.7	
10 Chloroethane	64	2.182	2.182	0.000	99	24875	20.0	14.0	
11 Dichlorofluoromethane	67	2.363	2.363	0.000	98	67188	20.0	15.1	
12 Trichlorofluoromethane	101	2.379	2.379	0.000	98	58995	20.0	17.5	
13 Pentane	72	2.388	2.388	0.000	96	15227	40.0	38.6	
14 Ethanol	46	2.552	2.552	0.000	68	5756	800.0	710.3	
15 Ethyl ether	59	2.560	2.560	0.000	92	34066	20.0	18.0	
16 2-Methyl-1,3-butadiene	53	2.585	2.585	0.000	93	38551	20.0	17.7	
19 Acrolein	56	2.733	2.733	0.000	31	6737	40.0	47.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.741	2.741	0.000	96	50751	20.0	21.9	
21 1,1-Dichloroethene	96	2.774	2.774	0.000	95	50413	20.0	21.3	
22 Acetone	43	2.848	2.848	0.000	90	60308	100.0	71.6	
23 Iodomethane	142	2.922	2.922	0.000	96	86573	20.0	22.3	
24 Isopropyl alcohol	45	2.930	2.930	0.000	30	18955	200.0	249.0	
25 Carbon disulfide	76	2.971	2.971	0.000	98	183682	20.0	19.4	
26 3-Chloro-1-propene	41	3.061	3.061	0.000	96	70684	20.0	16.1	
27 Methyl acetate	43	3.070	3.070	0.000	97	66907	40.0	33.4	
28 Cyclopentene	67	3.086	3.086	0.000	94	121591	20.0	18.9	
29 Acetonitrile	41	3.127	3.127	0.000	34	52135	200.0	223.4	a
* 31 TBA-d9 (IS)	65	3.176	3.176	0.000	0	185099	1000.0	1000.0	
30 Methylene Chloride	84	3.193	3.193	0.000	85	58617	20.0	20.4	
32 2-Methyl-2-propanol	59	3.242	3.242	0.000	96	39661	200.0	190.7	a
33 Methyl tert-butyl ether	73	3.341	3.341	0.000	96	118196	20.0	20.0	
34 trans-1,2-Dichloroethene	96	3.365	3.365	0.000	91	49900	20.0	20.8	
35 Acrylonitrile	53	3.439	3.439	0.000	95	187015	200.0	170.1	
36 Hexane	43	3.513	3.513	0.000	87	34199	20.0	17.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
37 Isopropyl ether	45	3.719	3.719	0.000	94	114570	20.0	16.6	
38 1,1-Dichloroethane	63	3.752	3.752	0.000	98	78368	20.0	19.4	
39 Vinyl acetate	86	3.768	3.768	0.000	99	22091	40.0	41.9	
40 2-Chloro-1,3-butadiene	88	3.793	3.793	0.000	86	47294	20.0	22.2	
41 Tert-butyl ethyl ether	59	4.031	4.031	0.000	90	118997	20.0	18.7	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	220649	250.0	250.0	
43 2,2-Dichloropropane	97	4.236	4.236	0.000	78	16112	20.0	21.7	
44 cis-1,2-Dichloroethene	96	4.253	4.253	0.000	99	54738	20.0	21.0	
46 2-Butanone (MEK)	72	4.277	4.277	0.000	97	31645	100.0	108.9	
45 Ethyl acetate	70	4.277	4.277	0.000	94	12530	40.0	51.9	
47 Methyl acrylate	55	4.327	4.327	0.000	98	40660	20.0	16.3	
48 Propionitrile	54	4.401	4.401	0.000	98	68219	200.0	213.0	
50 Chlorobromomethane	128	4.475	4.475	0.000	80	27427	20.0	21.9	
49 Tetrahydrofuran	72	4.475	4.475	0.000	64	14482	40.0	45.7	
51 Methacrylonitrile	67	4.499	4.499	0.000	86	227238	200.0	185.0	
52 Chloroform	83	4.524	4.524	0.000	97	77512	20.0	20.6	
53 Cyclohexane	84	4.664	4.664	0.000	86	88346	20.0	21.2	
54 1,1,1-Trichloroethane	97	4.680	4.680	0.000	72	68448	20.0	20.6	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	97	103586	50.0	51.0	
56 Carbon tetrachloride	117	4.795	4.795	0.000	97	56259	20.0	21.1	
57 1,1-Dichloropropene	75	4.820	4.820	0.000	97	65383	20.0	20.1	
58 Isobutyl alcohol	43	4.935	4.935	0.000	95	26562	500.0	406.9	
59 Benzene	78	5.017	5.017	0.000	95	204733	20.0	19.7	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	112601	50.0	44.8	
61 Isopropyl acetate	43	5.066	5.066	0.000	96	113199	20.0	17.1	
62 Tert-amyl methyl ether	73	5.074	5.074	0.000	93	136621	20.0	20.1	
63 1,2-Dichloroethane	62	5.099	5.099	0.000	97	57359	20.0	19.1	
64 n-Heptane	57	5.165	5.165	0.000	85	38006	20.0	19.7	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	458606	50.0	50.0	
66 n-Butanol	56	5.584	5.584	0.000	82	21068	500.0	390.9	
67 Trichloroethene	95	5.641	5.641	0.000	97	48590	20.0	20.3	
68 Ethyl acrylate	55	5.765	5.765	0.000	97	118874	20.0	18.9	
69 Methylcyclohexane	83	5.773	5.773	0.000	84	95985	20.0	21.0	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	94	46255	20.0	18.8	
* 71 1,4-Dioxane-d8	96	5.978	5.978	0.000	0	21459	1000.0	1000.0	
72 Methyl methacrylate	100	6.003	6.003	0.000	80	29052	40.0	38.7	
73 1,4-Dioxane	88	6.044	6.044	0.000	35	9938	400.0	420.4	
75 Dibromomethane	93	6.052	6.052	0.000	97	29030	20.0	19.3	
74 n-Propyl acetate	43	6.061	6.061	0.000	95	55588	20.0	16.0	
76 Dichlorobromomethane	83	6.200	6.200	0.000	98	56782	20.0	19.2	
77 2-Nitropropane	41	6.537	6.537	0.000	80	17719	40.0	30.5	
78 2-Chloroethyl vinyl ether	63	6.545	6.545	0.000	80	23919	20.0	16.8	
79 Epichlorohydrin	57	6.644	6.644	0.000	98	89762	400.0	421.4	
80 cis-1,3-Dichloropropene	75	6.701	6.701	0.000	88	72469	20.0	17.7	
81 4-Methyl-2-pentanone (MIBK)	43	6.874	6.874	0.000	92	209465	100.0	105.5	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	99	448333	50.0	48.7	
83 Toluene	91	7.022	7.022	0.000	93	215592	20.0	19.6	
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	92	62465	20.0	18.0	
85 Ethyl methacrylate	69	7.400	7.400	0.000	84	64607	20.0	18.5	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	96	36171	20.0	19.1	
87 Tetrachloroethene	166	7.630	7.630	0.000	94	47745	20.0	22.2	
88 1,3-Dichloropropane	76	7.794	7.794	0.000	89	71465	20.0	18.0	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
89 2-Hexanone	43	7.860	7.860	0.000	91	132703	100.0	103.2	
90 n-Butyl acetate	43	7.975	7.975	0.000	96	62585	20.0	16.2	
91 Chlorodibromomethane	129	8.016	8.016	0.000	97	43106	20.0	20.4	
92 Ethylene Dibromide	107	8.172	8.172	0.000	98	43315	20.0	20.2	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	84	334164	50.0	50.0	
94 Chlorobenzene	112	8.756	8.756	0.000	96	136569	20.0	20.4	
95 Ethylbenzene	106	8.871	8.871	0.000	97	80734	20.0	20.9	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	96	46663	20.0	21.3	
97 m-Xylene & p-Xylene	106	9.027	9.027	0.000	0	97015	20.0	21.0	
98 n-Butyl acrylate	73	9.471	9.471	0.000	99	39821	20.0	18.6	
99 o-Xylene	106	9.487	9.487	0.000	94	100744	20.0	21.2	
100 Styrene	104	9.512	9.512	0.000	97	162025	20.0	21.3	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	92	79650	20.0	16.1	
102 Bromoform	173	9.717	9.717	0.000	96	28810	20.0	21.4	
103 Isopropylbenzene	105	9.840	9.840	0.000	95	255062	20.0	21.1	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	89	129525	50.0	53.2	
105 Bromobenzene	156	10.136	10.136	0.000	98	59425	20.0	21.2	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	99	64797	20.0	18.5	
107 N-Propylbenzene	91	10.202	10.202	0.000	100	309073	20.0	19.0	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	98	18863	20.0	18.3	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	79	14514	20.0	16.7	
110 2-Chlorotoluene	91	10.292	10.292	0.000	96	209941	20.0	19.4	
111 4-Ethyltoluene	105	10.300	10.300	0.000	98	260056	20.0	20.2	
112 1,3,5-Trimethylbenzene	105	10.358	10.358	0.000	93	218380	20.0	19.7	
113 4-Chlorotoluene	91	10.383	10.383	0.000	96	182327	20.0	19.1	
114 Butyl Methacrylate	87	10.440	10.440	0.000	83	77525	20.0	19.2	
115 tert-Butylbenzene	119	10.588	10.588	0.000	95	176683	20.0	20.2	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	96	233038	20.0	20.2	
117 sec-Butylbenzene	105	10.752	10.752	0.000	99	282781	20.0	19.8	
119 1,3-Dichlorobenzene	146	10.851	10.851	0.000	94	120126	20.0	21.3	
118 4-Isopropyltoluene	119	10.859	10.859	0.000	98	245622	20.0	20.7	
* 120 1,4-Dichlorobenzene-d4	152	10.908	10.908	0.000	94	186228	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	95	121048	20.0	21.0	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	97	235579	20.0	19.6	
123 Benzyl chloride	91	11.024	11.024	0.000	99	125311	20.0	19.8	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	95	238936	20.0	20.3	
125 p-Diethylbenzene	119	11.106	11.106	0.000	94	135054	20.0	20.7	
126 n-Butylbenzene	92	11.122	11.122	0.000	98	134293	20.0	20.1	
127 1,2-Dichlorobenzene	146	11.171	11.171	0.000	96	124677	20.0	21.2	
128 1,2,4,5-Tetramethylbenzene	119	11.590	11.590	0.000	98	241050	20.0	20.3	
129 1,2-Dibromo-3-Chloropropane	157	11.656	11.656	0.000	94	15223	20.0	19.1	
130 1,3,5-Trichlorobenzene	180	11.747	11.747	0.000	98	99615	20.0	22.0	
131 1,2,4-Trichlorobenzene	180	12.133	12.133	0.000	94	93901	20.0	21.8	
132 Hexachlorobutadiene	225	12.207	12.207	0.000	95	34338	20.0	21.8	
133 Naphthalene	128	12.305	12.305	0.000	99	269903	20.0	20.6	
134 1,2,3-Trichlorobenzene	180	12.461	12.461	0.000	96	90543	20.0	22.4	
S 135 1,2-Dichloroethene, Total	100				0		40.0	41.8	
S 136 Xylenes, Total	100				0		40.0	42.2	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
GASES Li_00376	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 08-Jul-2020 10:28:31 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98171.D

Injection Date: 07-Jul-2020 20:29:30 Instrument ID: CVOAMS6 Operator ID:

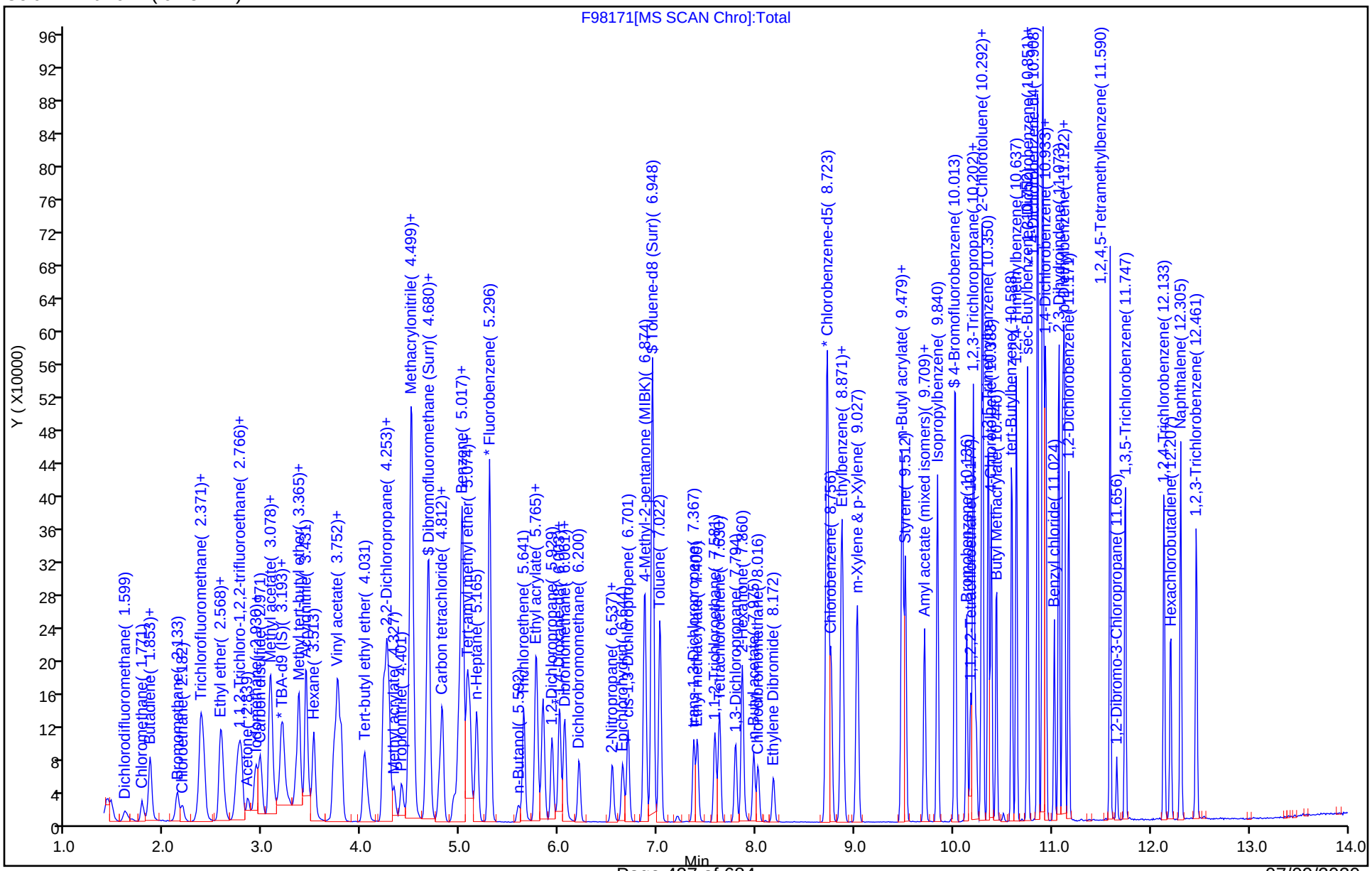
Lims ID: CCVIS Worklist Smp#: 4

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

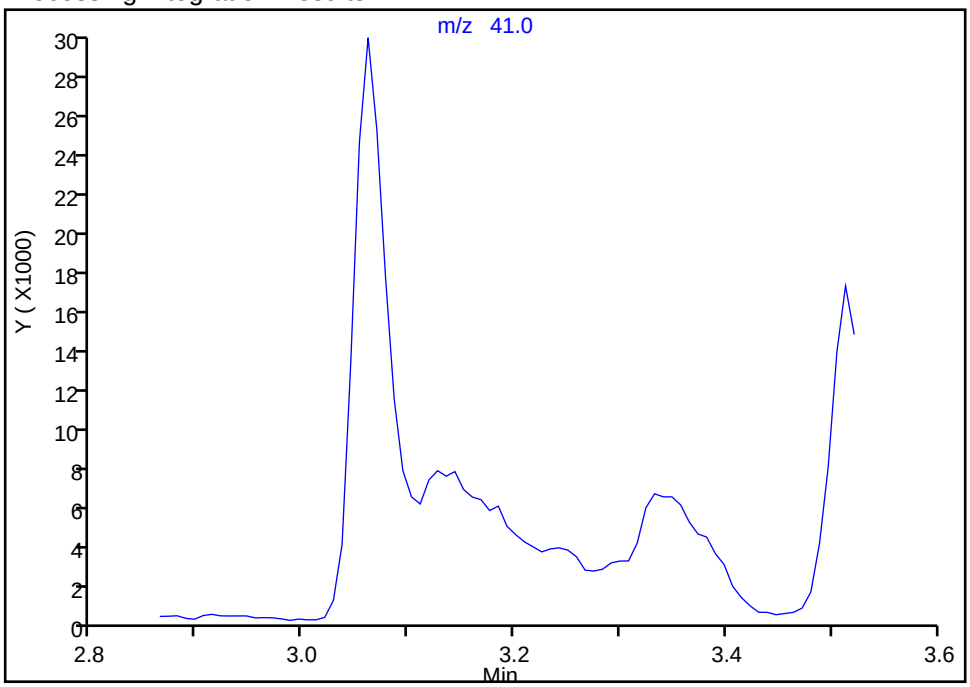
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98171.D
Injection Date: 07-Jul-2020 20:29:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

29 Acetonitrile, CAS: 75-05-8

Signal: 1

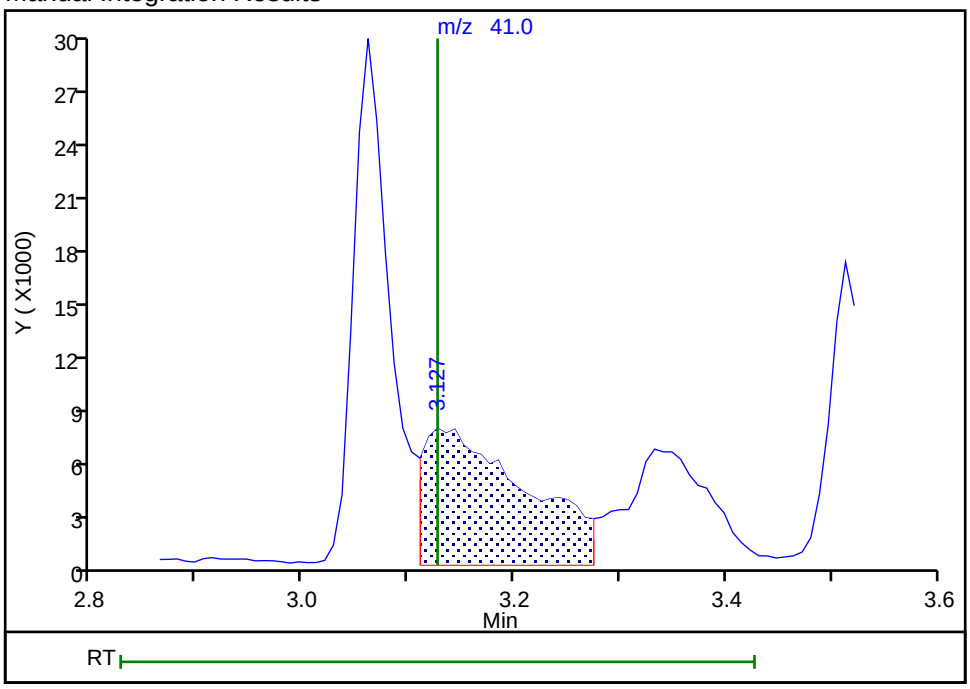
Not Detected
Expected RT: 3.13

Processing Integration Results



Manual Integration Results

RT: 3.13
Area: 52135
Amount: 223.3746
Amount Units: ug/l



Reviewer: yallabg, 07-Jul-2020 20:53:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

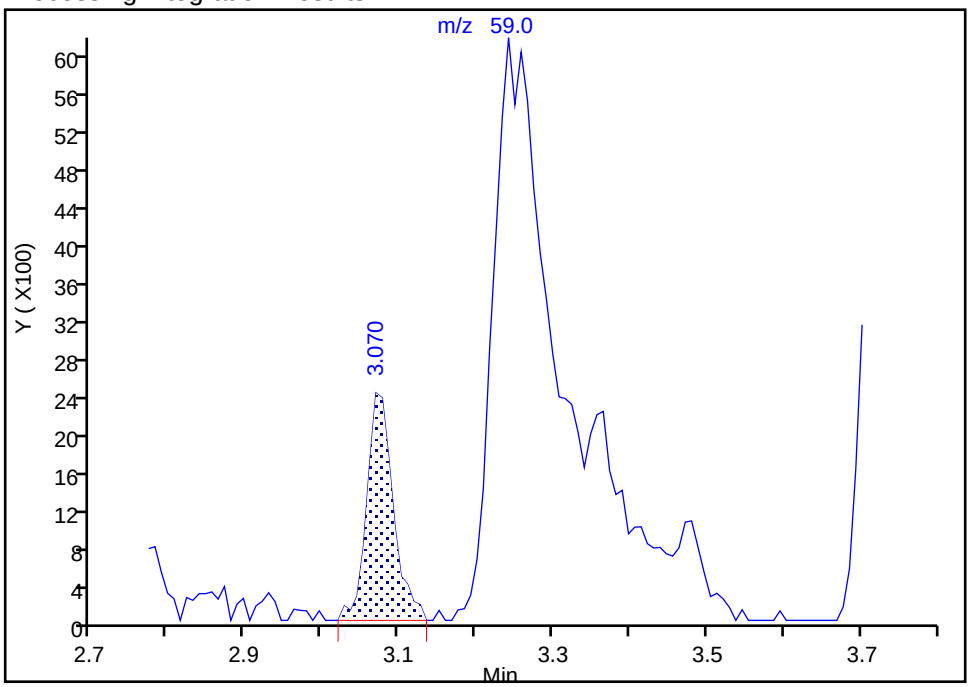
Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98171.D
Injection Date: 07-Jul-2020 20:29:30 Instrument ID: CVOAMS6
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

32 2-Methyl-2-propanol, CAS: 75-65-0

Signal: 1

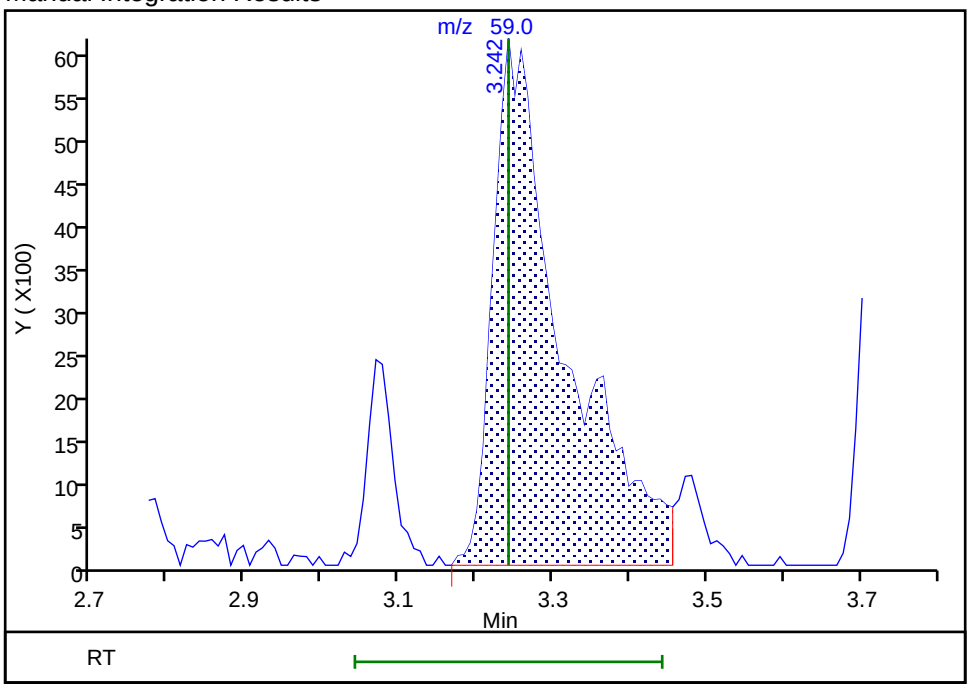
Processing Integration Results

RT: 3.07
Area: 5740
Amount: 27.601014
Amount Units: ug/l



Manual Integration Results

RT: 3.24
Area: 39661
Amount: 190.7115
Amount Units: ug/l



Reviewer: yallabg, 07-Jul-2020 20:53:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 11-Jun-2020 01:12:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0111447-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 11-Jun-2020 08:09:02 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1066

First Level Reviewer: moroneyc Date: 11-Jun-2020 08:09:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 139 BFB	95	2.946	2.946	0.000	88	45444	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

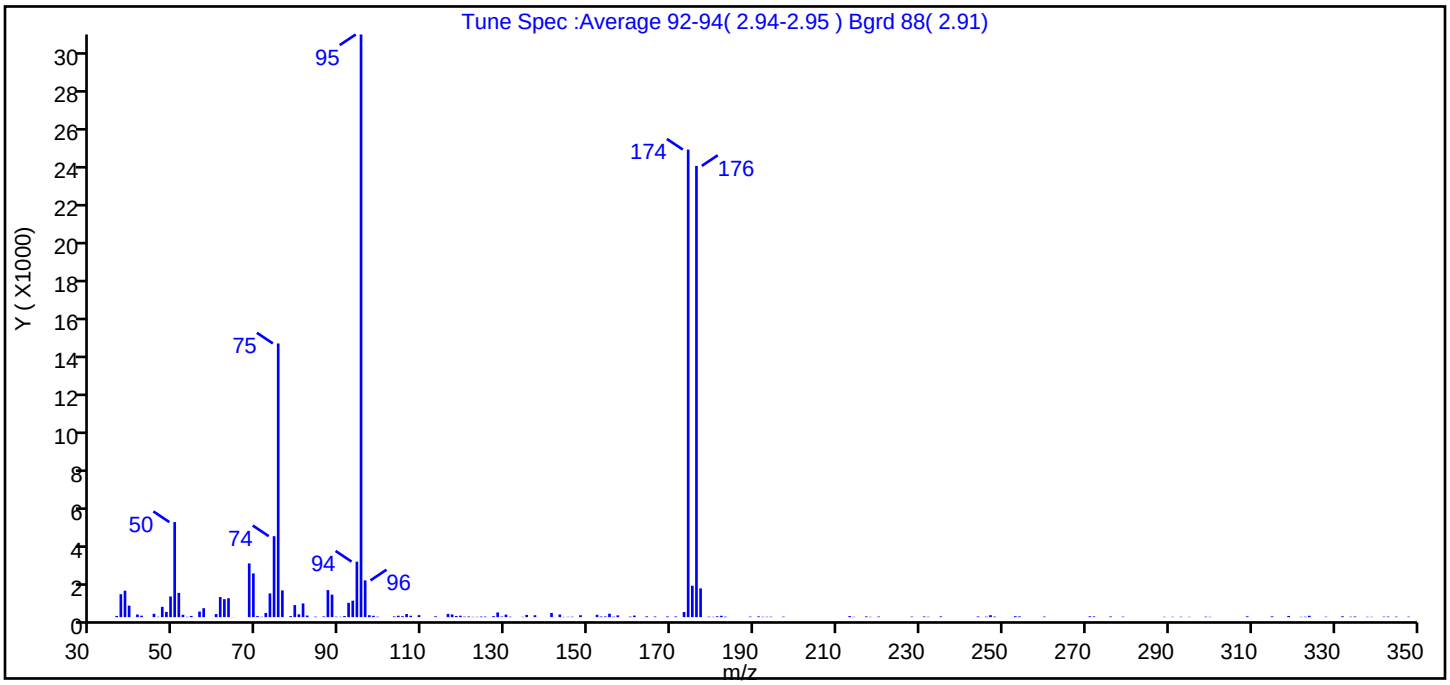
BFB_00025 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D
Injection Date: 11-Jun-2020 01:12:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 139 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.3
75	30 to 60% of m/z 95	47.0
96	5 to 9% of m/z 95	6.3
173	Less than 2% of m/z 174	0.9 (1.1)
174	50 to 120% of m/z 95	80.2
175	5 to 9% of m/z 174	5.4 (6.7)
176	Greater than 95% but less than 101% of m/z 174	77.4 (96.5)
177	5 to 9% of m/z 176	4.9 (6.4)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D\8260624W_1.rslt\spectra.d
Injection Date: 11-Jun-2020 01:12:30
Spectrum: Tune Spec :Average 92-94(2.94-2.95) Bgrd 88(2.91)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	65	86.00	37	141.00	218	220.00	31
37.00	1214	87.00	1433	143.00	139	228.00	28
38.00	1402	88.00	1192	144.00	12	231.00	35
39.00	611	89.00	24	145.00	18	232.00	19
41.00	139	90.00	17	146.00	23	235.00	40
42.00	77	91.00	57	148.00	103	244.00	36
45.00	177	92.00	758	152.00	125	246.00	24
46.00	19	93.00	871	153.00	31	247.00	104
47.00	546	94.00	2940	154.00	36	248.00	31
48.00	278	95.00	30856	155.00	183	253.00	50
49.00	1095	96.00	1947	156.00	25	254.00	40
50.00	5034	97.00	101	157.00	95	260.00	31
51.00	1284	98.00	72	160.00	28	271.00	43
52.00	126	99.00	24	161.00	84	272.00	37
53.00	19	103.00	38	164.00	44	276.00	36
54.00	63	104.00	75	166.00	34	279.00	26
56.00	296	105.00	48	169.00	39	289.00	18
57.00	475	106.00	164	171.00	36	291.00	18
60.00	165	107.00	73	173.00	271	293.00	21
61.00	1064	109.00	107	174.00	24760	295.00	16
62.00	952	113.00	45	175.00	1664	299.00	27
63.00	1002	116.00	172	176.00	23896	300.00	18
64.00	7	117.00	144	177.00	1523	309.00	43
68.00	2846	118.00	62	178.00	4	315.00	43
69.00	2316	119.00	76	179.00	26	319.00	63
70.00	54	120.00	24	180.00	17	322.00	17
71.00	18	121.00	34	181.00	45	323.00	22
72.00	223	122.00	18	182.00	73	324.00	72
73.00	1255	123.00	17	183.00	26	328.00	23
74.00	4288	124.00	31	189.00	28	332.00	46
75.00	14493	125.00	28	191.00	40	334.00	23
76.00	1416	127.00	52	192.00	20	335.00	35
77.00	1	128.00	248	193.00	20	338.00	20

Report Date: 11-Jun-2020 08:09:02 Chrom Revision: 2.3 10-Jun-2020 22:46:48
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D\8260624W_1.rslt\spectra.d
Injection Date: 11-Jun-2020 01:12:30
Spectrum: Tune Spec :Average 92-94(2.94-2.95) Bgrd 88(2.91)
Base Peak: 95.00
Minimum % Base Peak: 0
Number of Points: 155

m/z	Y	m/z	Y	m/z	Y	m/z	Y
78.00	54	129.00	30	194.00	23	339.00	17
79.00	639	130.00	135	197.00	27	342.00	25
80.00	150	131.00	24	213.00	55	343.00	30
81.00	727	134.00	17	214.00	18	345.00	28
82.00	84	135.00	119	217.00	40	348.00	25
84.00	26	137.00	101	218.00	18		

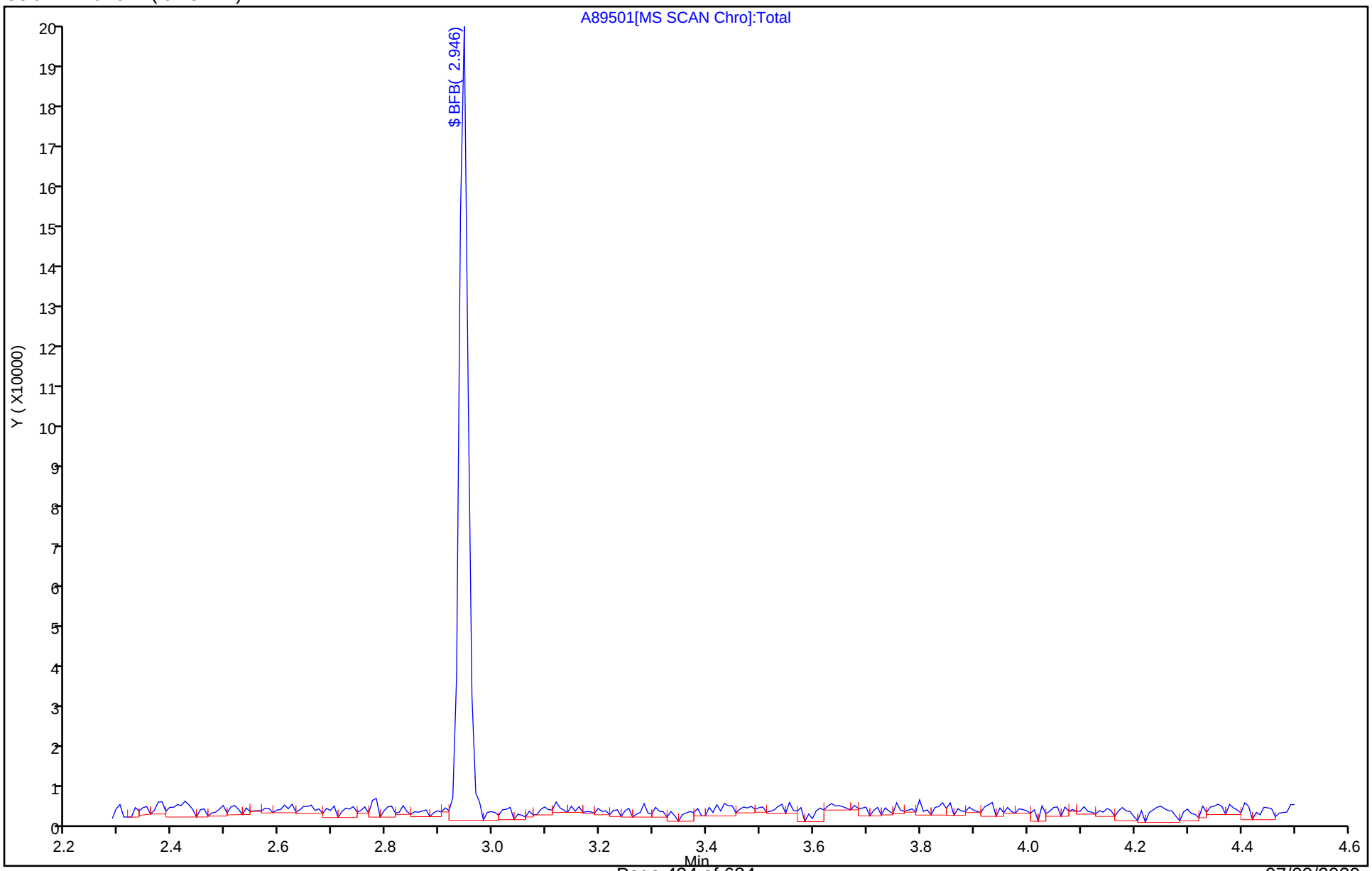
Report Date: 11-Jun-2020 08:09:02 Chrom Revision: 2.3 10-Jun-2020 22:46:48

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89501.D

Injection Date:	11-Jun-2020 01:12:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90782.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 06-Jul-2020 18:32:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0112801-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 08:50:59 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1023

First Level Reviewer: moroneyc Date: 07-Jul-2020 06:25:19

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 139 BFB	95	2.946	2.946	0.000	88	29018	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

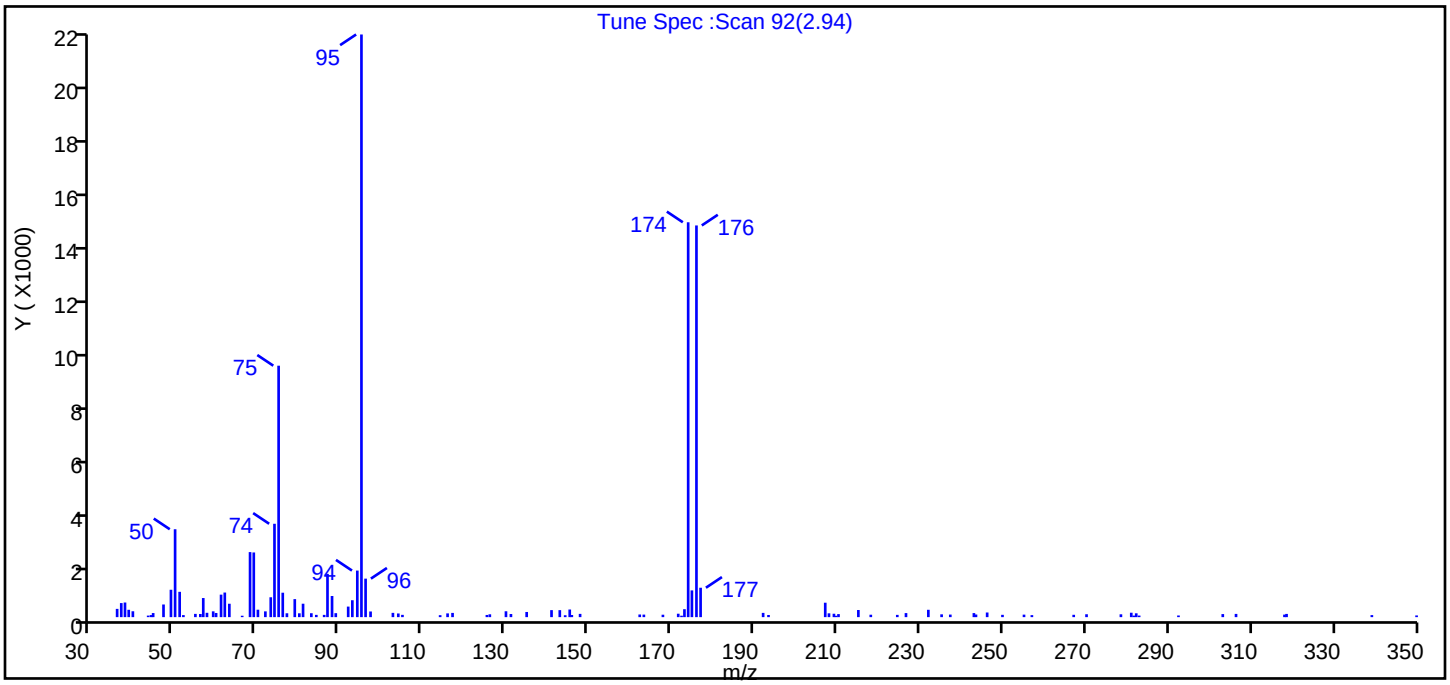
BFB_00026 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90782.D
Injection Date: 06-Jul-2020 18:32:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 139 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.1
75	30 to 60% of m/z 95	43.2
96	5 to 9% of m/z 95	6.6
173	Less than 2% of m/z 174	1.4 (2.0)
174	50 to 120% of m/z 95	67.8
175	5 to 9% of m/z 174	4.6 (6.8)
176	Greater than 95% but less than 101% of m/z 174	67.2 (99.2)
177	5 to 9% of m/z 176	5.0 (7.5)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90782.D\8260624W_1.rslt\spectra.d
Injection Date: 06-Jul-2020 18:32:30
Spectrum: Tune Spec :Scan 92(2.94)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 108

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	299	73.00	719	126.00	103	215.00	258
37.00	509	74.00	3378	130.00	213	218.00	88
38.00	529	75.00	9097	131.00	113	224.00	82
39.00	266	76.00	884	135.00	187	227.00	147
40.00	213	77.00	140	141.00	254	232.00	266
44.00	56	79.00	652	143.00	253	235.00	102
44.00	75	80.00	139	144.00	69	237.00	93
45.00	148	81.00	486	145.00	276	243.00	147
47.00	458	83.00	142	146.00	77	244.00	95
49.00	991	84.00	82	148.00	118	246.00	168
50.00	3180	86.00	82	162.00	96	250.00	84
51.00	916	87.00	1564	163.00	92	255.00	91
52.00	74	88.00	765	168.00	88	257.00	73
55.00	118	89.00	144	172.00	124	267.00	85
56.00	114	92.00	382	172.00	52	270.00	105
57.00	691	93.00	612	173.00	287	278.00	103
58.00	157	94.00	1685	174.00	14286	281.00	160
59.00	210	95.00	21080	175.00	968	282.00	56
60.00	151	96.00	1393	176.00	14171	282.00	139
61.00	814	97.00	205	177.00	1064	283.00	57
62.00	890	103.00	155	192.00	154	292.00	60
63.00	485	104.00	133	193.00	78	303.00	111
66.00	51	105.00	83	207.00	522	306.00	117
68.00	2353	114.00	71	208.00	138	318.00	92
69.00	2340	116.00	136	209.00	123	318.00	117
70.00	269	117.00	153	210.00	50	339.00	74
72.00	209	125.00	79	210.00	110	350.00	62

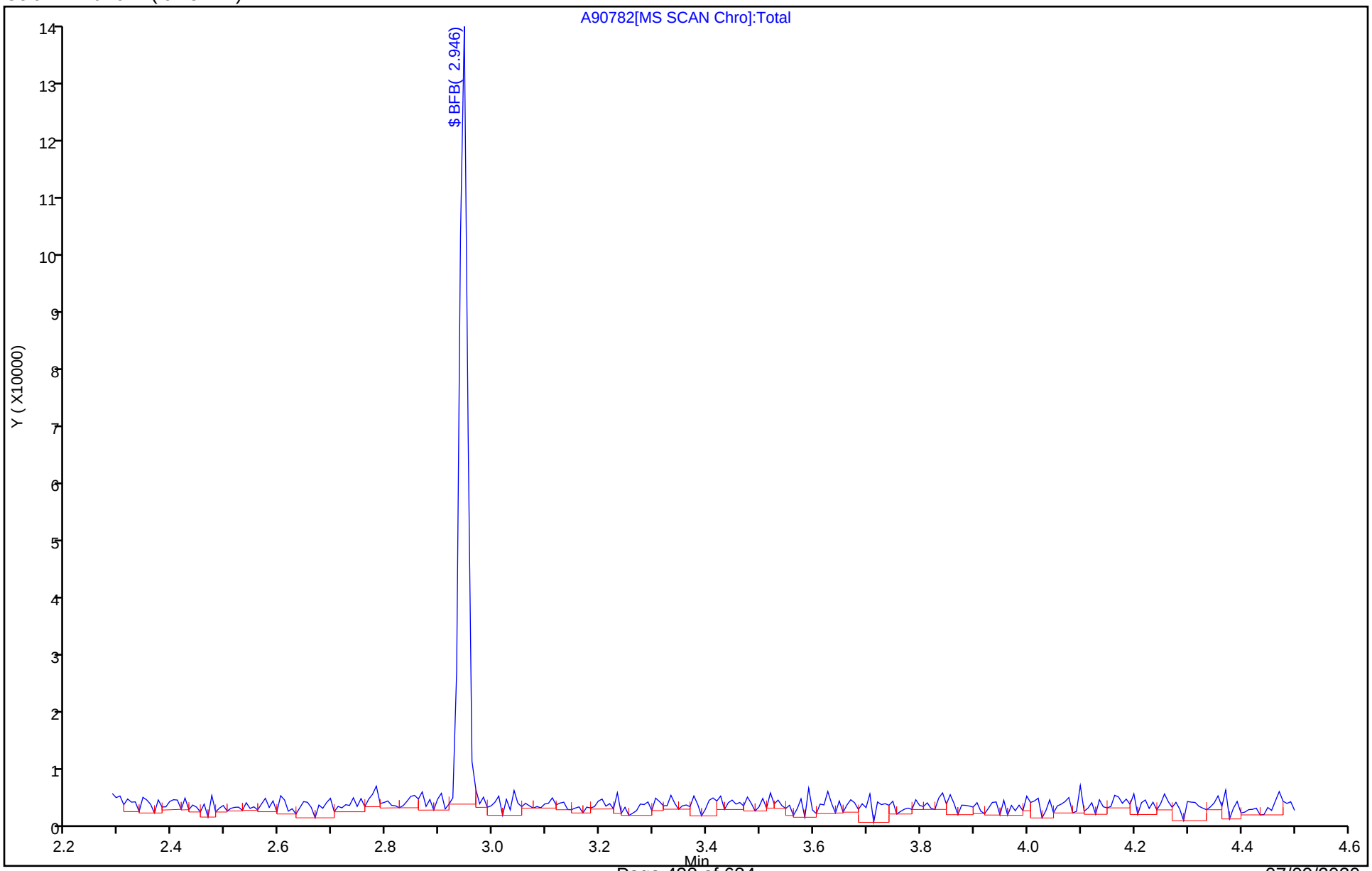
Report Date: 07-Jul-2020 08:50:59 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90782.D

Injection Date:	06-Jul-2020 18:32:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90812.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 07-Jul-2020 07:46:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0112826-001
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 10:37:28 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1009

First Level Reviewer: moroneyc Date: 07-Jul-2020 07:54:53

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 139 BFB	95	2.946	2.946	0.000	92	50913	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

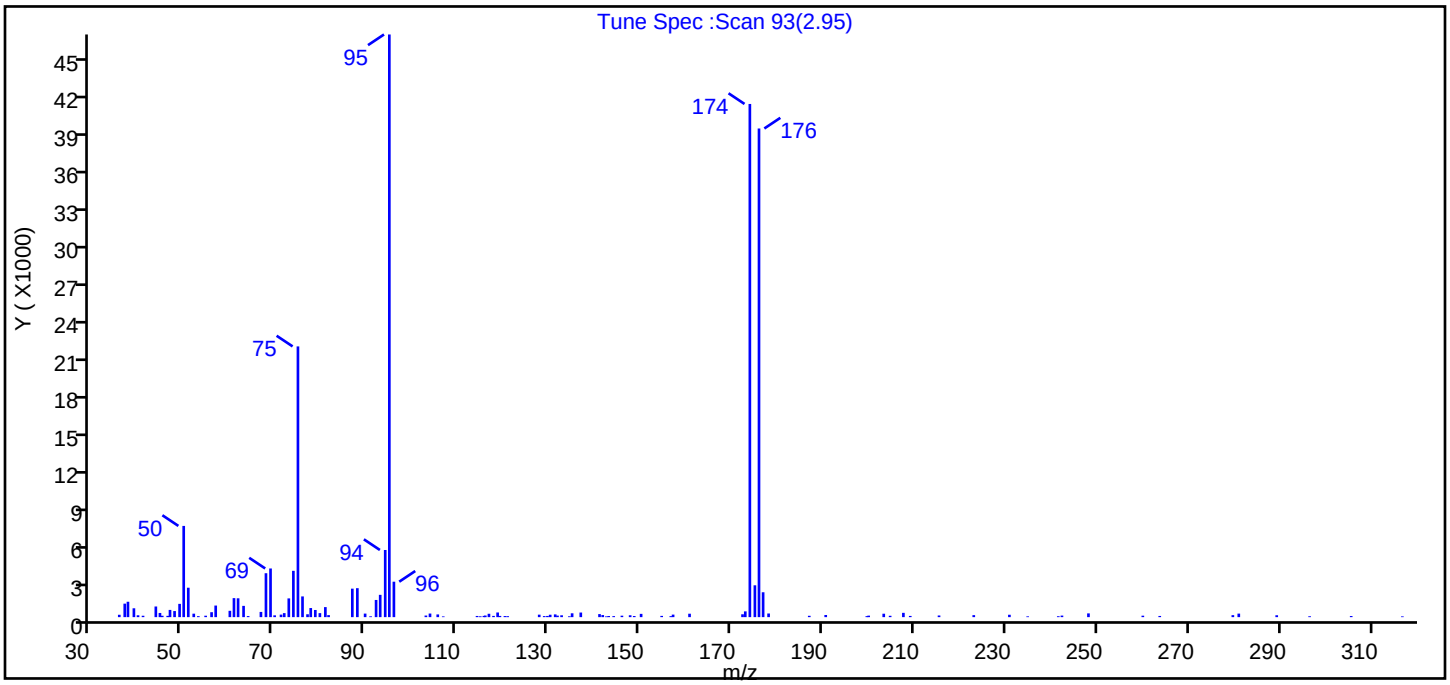
BFB_00026 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90812.D
Injection Date: 07-Jul-2020 07:46:30 Instrument ID: CVOAMS1
Lims ID: BFB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 139 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.7
75	30 to 60% of m/z 95	46.5
96	5 to 9% of m/z 95	6.1
173	Less than 2% of m/z 174	1.0 (1.1)
174	50 to 120% of m/z 95	88.1
175	5 to 9% of m/z 174	5.5 (6.2)
176	Greater than 95% but less than 101% of m/z 174	83.9 (95.2)
177	5 to 9% of m/z 176	4.3 (5.1)

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90812.D\8260624W_1.rslt\spectra.d
Injection Date: 07-Jul-2020 07:46:30
Spectrum: Tune Spec :Scan 93(2.95)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 117

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	188	72.00	319	119.00	369	175.00	2523
37.00	1069	73.00	1485	119.00	97	176.00	38712
38.00	1219	74.00	3670	120.00	86	177.00	1971
39.00	702	75.00	21448	121.00	75	178.00	289
40.00	147	76.00	1642	128.00	197	187.00	107
41.00	110	77.00	228	129.00	83	191.00	170
44.00	844	78.00	721	130.00	95	200.00	79
45.00	331	79.00	567	130.00	191	200.00	119
45.00	110	80.00	318	131.00	218	203.00	272
47.00	103	81.00	795	132.00	121	205.00	108
47.00	573	82.00	160	133.00	146	208.00	341
48.00	482	87.00	2257	134.00	67	209.00	97
49.00	1052	88.00	2295	135.00	305	215.00	131
50.00	7227	90.00	281	137.00	365	223.00	159
51.00	2331	91.00	66	141.00	241	231.00	190
52.00	275	92.00	1361	142.00	164	235.00	62
53.00	77	93.00	1767	143.00	57	242.00	72
55.00	113	94.00	5320	143.00	88	242.00	124
56.00	392	95.00	46160	144.00	81	248.00	298
57.00	918	96.00	2808	146.00	116	260.00	115
60.00	502	103.00	127	148.00	149	264.00	94
61.00	1507	104.00	285	149.00	89	280.00	158
62.00	1493	106.00	215	150.00	260	281.00	280
63.00	893	107.00	58	155.00	100	289.00	150
64.00	83	114.00	93	157.00	78	296.00	70
67.00	413	115.00	65	157.00	201	306.00	88
68.00	3480	116.00	98	161.00	272	317.00	60
69.00	3855	116.00	126	172.00	227		
70.00	143	117.00	267	173.00	457		
71.00	200	118.00	98	174.00	40656		

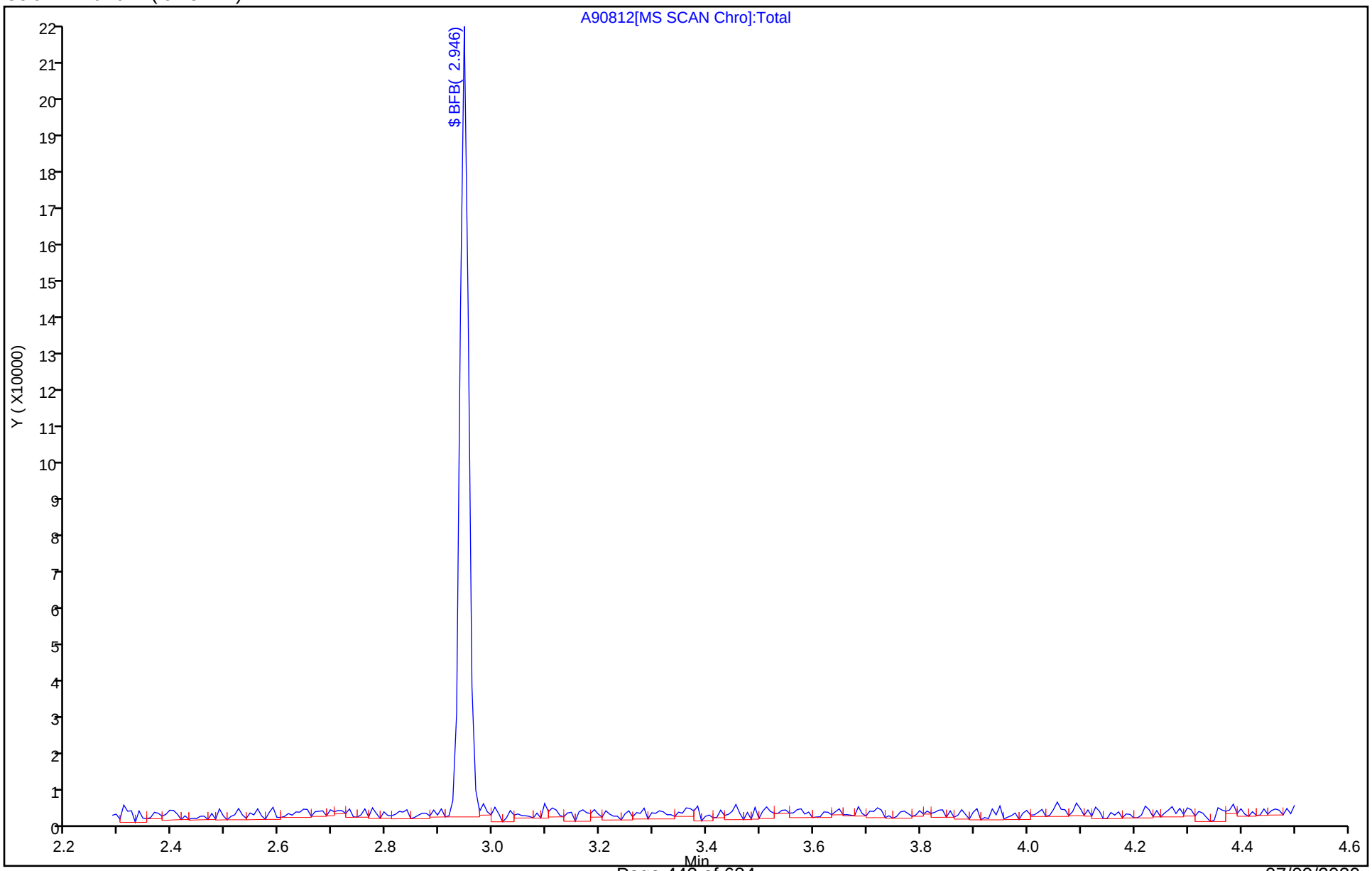
Report Date: 07-Jul-2020 10:37:29 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90812.D

Injection Date:	07-Jul-2020 07:46:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97859.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 01-Jul-2020 15:18:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0112547-001
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 02-Jul-2020 13:23:38 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1002

First Level Reviewer: kluseys Date: 01-Jul-2020 15:29:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 137 BFB	95	2.531	2.531	0.000	85	433155	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

BFB_00026 Amount Added: 1.00 Units: uL

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

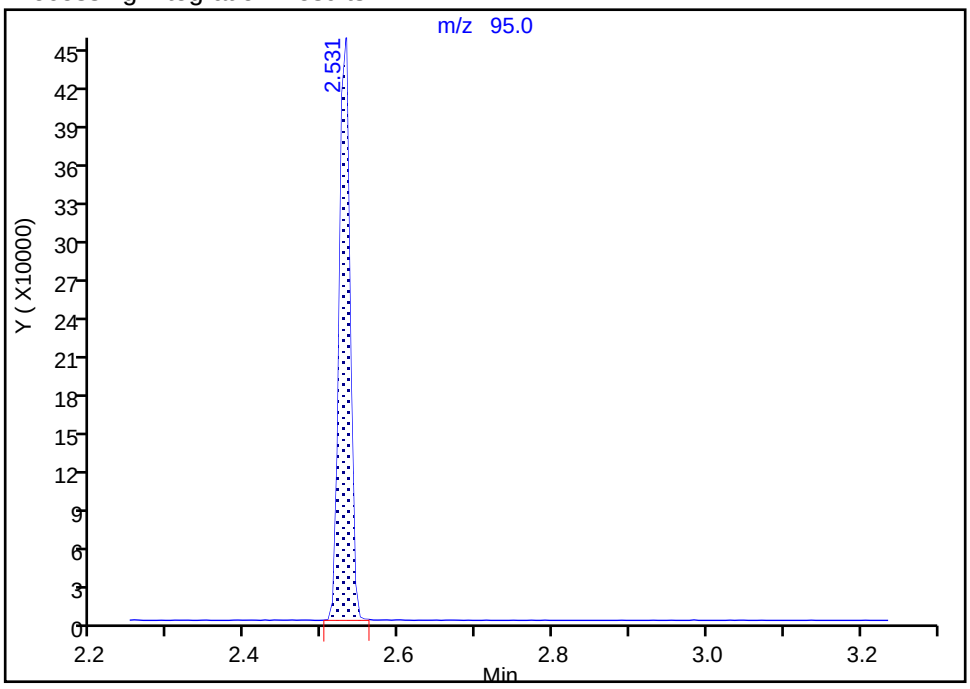
Data File:	\\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97859.D				
Injection Date:	01-Jul-2020 15:18:30	Instrument ID:	CVOAMS6		
Lims ID:	BFB				
Client ID:					
Operator ID:		ALS Bottle#:	99	Worklist Smp#:	1
Injection Vol:	5.0 mL	Dil. Factor:	1.0000		
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

$ 137 BFB, CAS: 460-00-4

Signal: 1

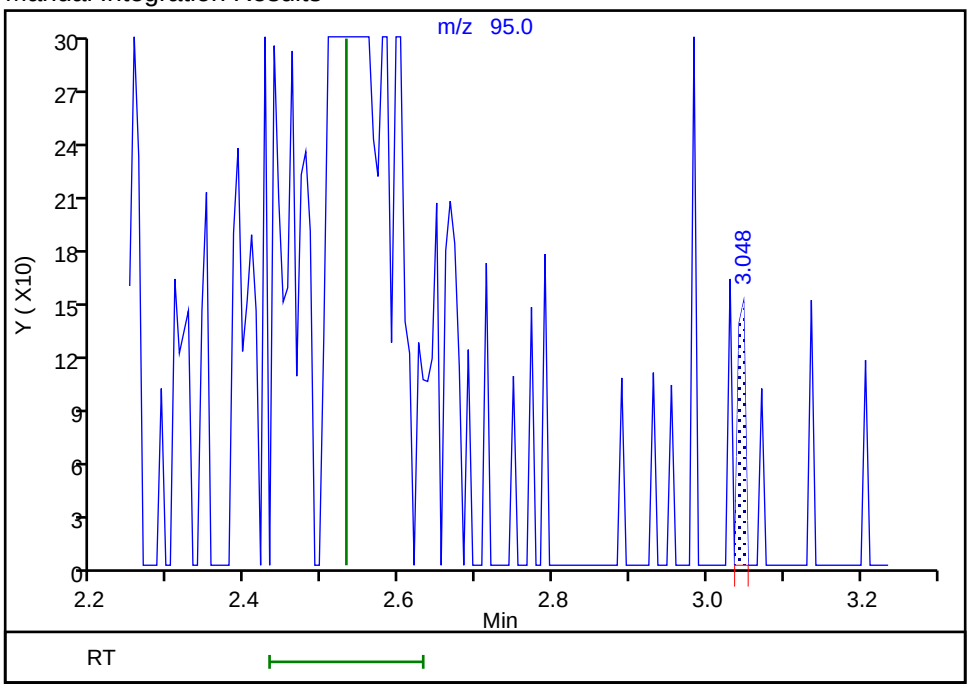
Processing Integration Results

RT: 2.53
Area: 433155
Amount: 0
Amount Units: ug/l



Manual Integration Results

RT: 3.05
Area: 101
Amount: 0
Amount Units: ug/l



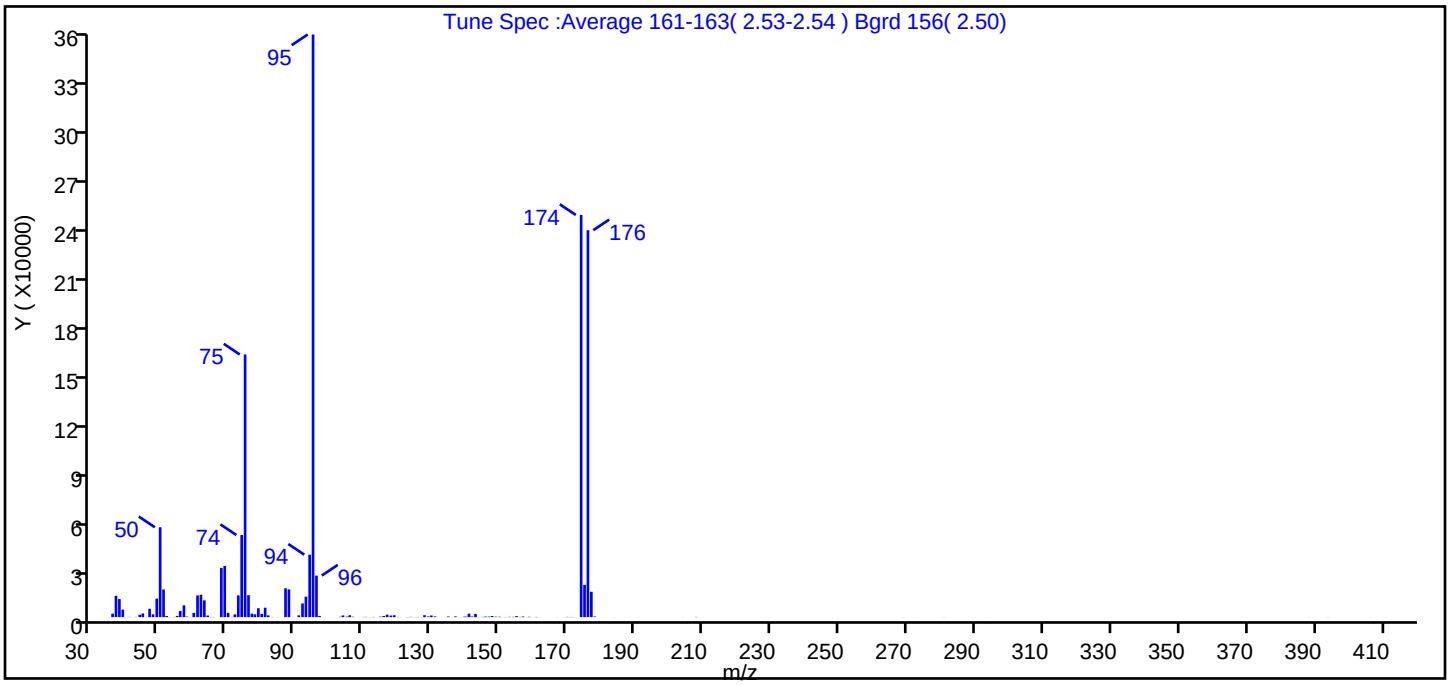
Reviewer: kluseys, 01-Jul-2020 15:29:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97859.D
Injection Date: 01-Jul-2020 15:18:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 137 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	15.4
75	30 to 60% of m/z 95	45.1
96	5 to 9% of m/z 95	7.1
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	69.0
175	5 to 9% of m/z 174	5.5 (8.0)
176	Greater than 95% but less than 101% of m/z 174	66.4 (96.2)
177	5 to 9% of m/z 176	4.4 (6.6)

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97859.D\8260624W6.rslt\spectra.d
Injection Date: 01-Jul-2020 15:18:30
Spectrum: Tune Spec :Average 161-163(2.53-2.54) Bgrd 156(2.50)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 131

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2104	71.00	143	115.00	289	152.00	109
37.00	12821	72.00	1626	116.00	695	153.00	211
38.00	10873	73.00	13048	117.00	1510	154.00	183
39.00	4515	74.00	49384	118.00	936	155.00	620
40.00	78	75.00	157952	119.00	1139	156.00	144
41.00	128	76.00	13210	120.00	137	157.00	390
43.00	141	77.00	2109	121.00	35	158.00	50
44.00	1436	78.00	1686	123.00	85	159.00	214
45.00	2225	79.00	5368	124.00	166	161.00	35
46.00	110	80.00	1966	125.00	59	161.00	132
47.00	5041	81.00	5674	126.00	119	167.00	40
48.00	1680	82.00	1068	127.00	79	169.00	46
49.00	11133	83.00	116	128.00	1166	170.00	147
50.00	54072	85.00	76	129.00	431	171.00	117
51.00	16608	87.00	17352	130.00	966	172.00	106
52.00	708	88.00	16680	131.00	459	174.00	241856
53.00	86	89.00	44	134.00	41	175.00	19384
54.00	101	91.00	1079	135.00	386	176.00	232704
55.00	731	92.00	8234	137.00	444	177.00	15263
56.00	3740	93.00	12339	138.00	41	178.00	382
57.00	7087	94.00	37560	140.00	233	184.00	47
58.00	328	95.00	350400	140.00	285	191.00	35
59.00	58	96.00	25008	141.00	2097	204.00	35
60.00	2567	97.00	712	142.00	390	208.00	158
61.00	13057	103.00	204	143.00	1920	269.00	54
62.00	13464	104.00	1035	144.00	85	272.00	36
63.00	10092	105.00	336	145.00	167	281.00	58
64.00	981	106.00	1145	146.00	342	294.00	43
65.00	152	107.00	240	147.00	314	388.00	44
66.00	93	110.00	105	148.00	666	394.00	40
68.00	29600	111.00	161	149.00	273	406.00	40
69.00	30768	112.00	64	150.00	253	411.00	49
70.00	2587	113.00	144	151.00	35		

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2104	71.00	143	115.00	289	152.00	109
37.00	12821	72.00	1626	116.00	695	153.00	211
38.00	10873	73.00	13048	117.00	1510	154.00	183
39.00	4515	74.00	49384	118.00	936	155.00	620
40.00	78	75.00	157952	119.00	1139	156.00	144
41.00	128	76.00	13210	120.00	137	157.00	390
43.00	141	77.00	2109	121.00	35	158.00	50
44.00	1436	78.00	1686	123.00	85	159.00	214
45.00	2225	79.00	5368	124.00	166	161.00	35
46.00	110	80.00	1966	125.00	59	161.00	132
47.00	5041	81.00	5674	126.00	119	167.00	40
48.00	1680	82.00	1068	127.00	79	169.00	46
49.00	11133	83.00	116	128.00	1166	170.00	147
50.00	54072	85.00	76	129.00	431	171.00	117
51.00	16608	87.00	17352	130.00	966	172.00	106
52.00	708	88.00	16680	131.00	459	174.00	241856
53.00	86	89.00	44	134.00	41	175.00	19384
54.00	101	91.00	1079	135.00	386	176.00	232704
55.00	731	92.00	8234	137.00	444	177.00	15263
56.00	3740	93.00	12339	138.00	41	178.00	382
57.00	7087	94.00	37560	140.00	233	184.00	47
58.00	328	95.00	350400	140.00	285	191.00	35
59.00	58	96.00	25008	141.00	2097	204.00	35
60.00	2567	97.00	712	142.00	390	208.00	158
61.00	13057	103.00	204	143.00	1920	269.00	54
62.00	13464	104.00	1035	144.00	85	272.00	36
63.00	10092	105.00	336	145.00	167	281.00	58
64.00	981	106.00	1145	146.00	342	294.00	43
65.00	152	107.00	240	147.00	314	388.00	44
66.00	93	110.00	105	148.00	666	394.00	40
68.00	29600	111.00	161	149.00	273	406.00	40
69.00	30768	112.00	64	150.00	253	411.00	49
70.00	2587	113.00	144	151.00	35		

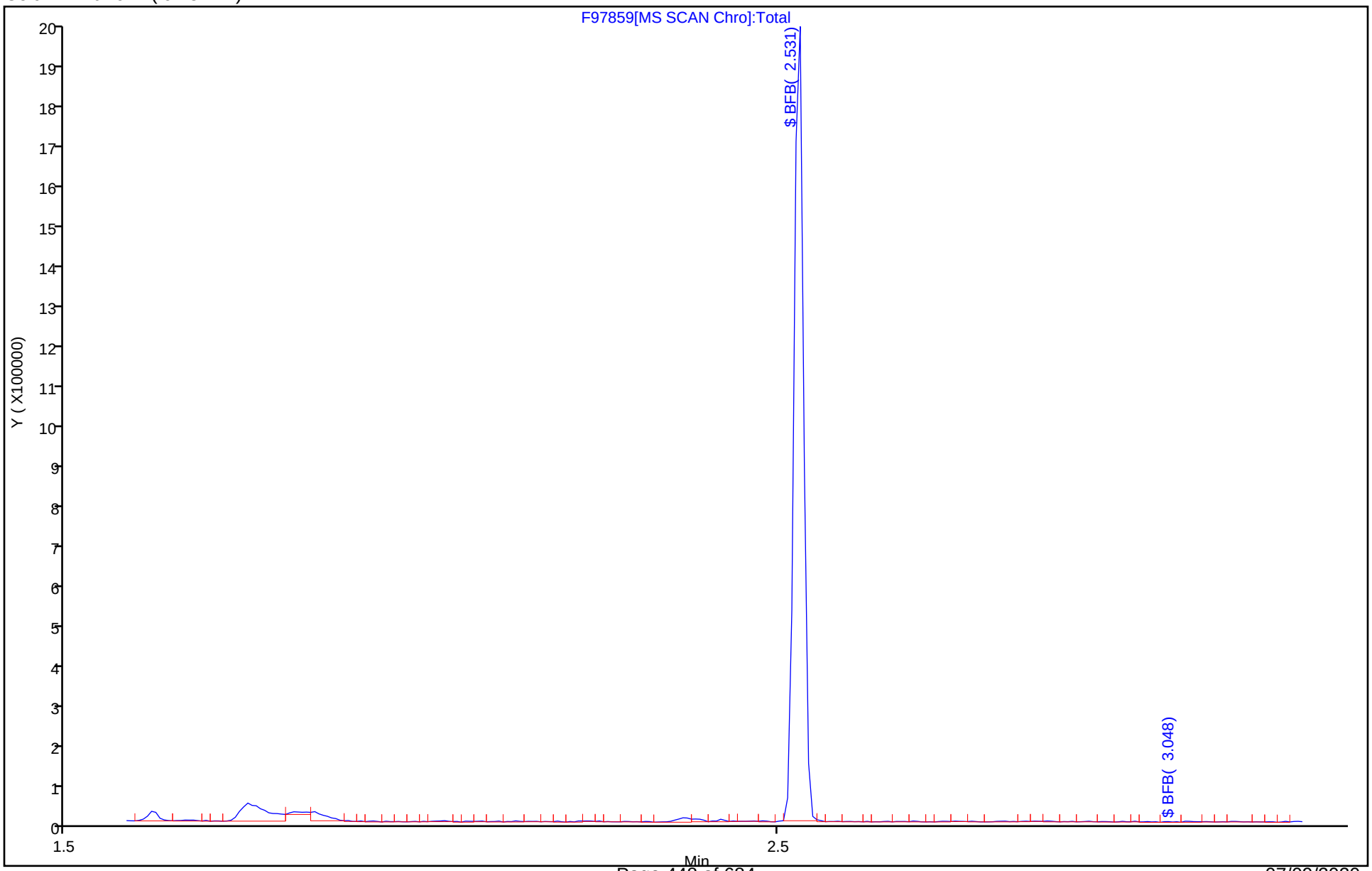
Report Date: 02-Jul-2020 13:23:38 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97859.D

Injection Date:	01-Jul-2020 15:18:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98168.D
Lims ID: BFB
Client ID:
Sample Type: BFB
Inject. Date: 07-Jul-2020 19:17:30 ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Sample Info: BFB
Misc. Info.: 460-0112863-001
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 23:12:25 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1005

First Level Reviewer: yallabg Date: 07-Jul-2020 19:26:03

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
$ 137 BFB	95	2.531	2.531	0.000	86	247127	NR	NR	a

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
Review Flags
a - User Assigned ID

Reagents:

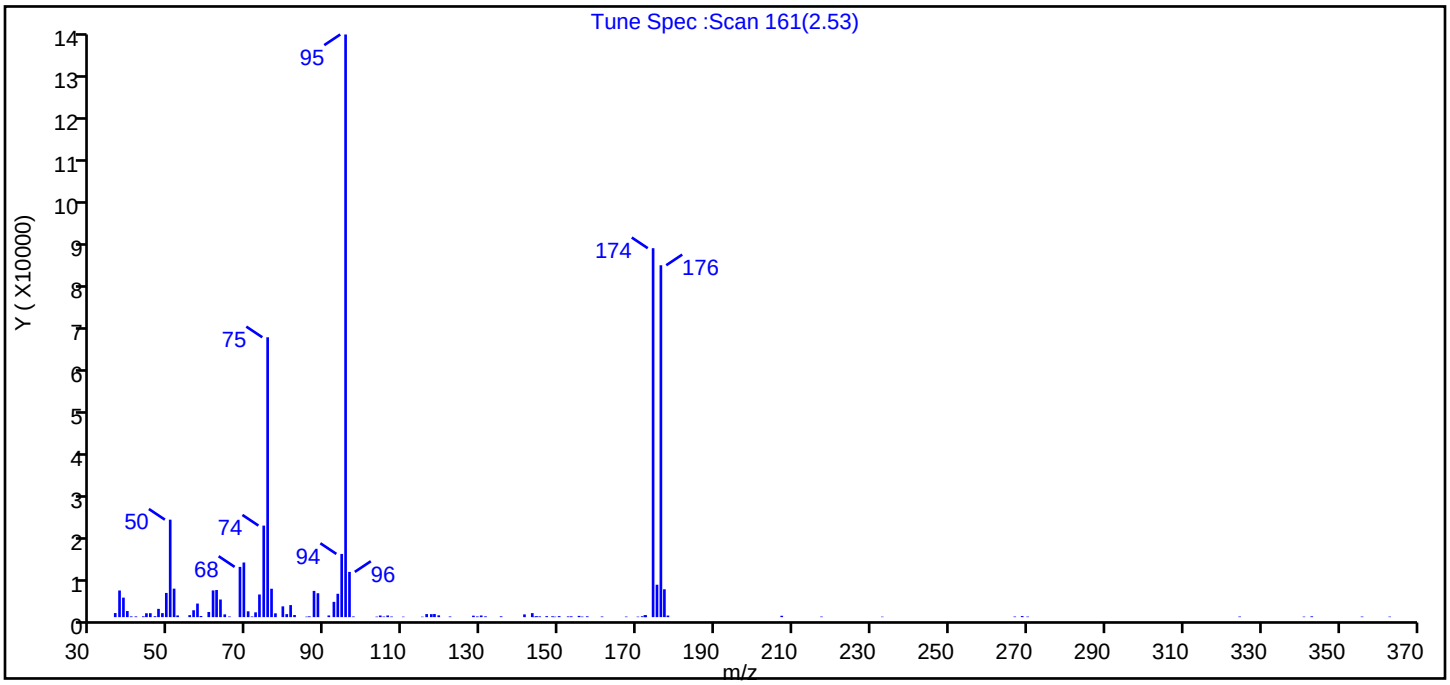
BFB_00026 Amount Added: 1.00 Units: uL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98168.D
Injection Date: 07-Jul-2020 19:17:30 Instrument ID: CVOAMS6
Lims ID: BFB
Client ID:
Operator ID: ALS Bottle#: 99 Worklist Smp#: 1
Injection Vol: 5.0 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Tune Method: BFB Method 8260

$ 137 BFB



m/z	Ion Abundance Criteria	% Relative Abundance
95	Base peak, 100% relative abundance	100.0
50	15 to 40% of m/z 95	16.7
75	30 to 60% of m/z 95	48.0
96	5 to 9% of m/z 95	7.8
173	Less than 2% of m/z 174	0.0 (0.0)
174	50 to 120% of m/z 95	63.3
175	5 to 9% of m/z 174	5.6 (8.8)
176	Greater than 95% but less than 101% of m/z 174	60.4 (95.4)
177	5 to 9% of m/z 176	4.8 (7.9)

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98168.D\8260624W6.rslt\spectra.d
Injection Date: 07-Jul-2020 19:17:30
Spectrum: Tune Spec :Scan 161(2.53)
Base Peak: 95.10
Minimum % Base Peak: 0
Number of Points: 104

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	912	68.00	11238	104.00	363	153.00	185
37.00	5959	69.00	12215	105.00	131	155.00	279
38.00	4364	70.00	1303	106.00	369	156.00	123
39.00	1358	71.00	149	107.00	134	157.00	187
40.00	166	72.00	1073	110.00	107	161.00	141
41.00	165	73.00	5066	115.00	106	167.00	126
43.00	182	74.00	20472	116.00	686	170.00	113
44.00	870	75.00	62584	117.00	669	171.00	196
45.00	886	76.00	6351	118.00	701	172.00	434
46.00	208	77.00	852	119.00	402	172.00	428
47.00	1852	79.00	2409	122.00	143	174.00	82504
48.00	902	80.00	678	128.00	329	175.00	7250
49.00	5415	81.00	2694	129.00	158	176.00	78688
50.00	21800	82.00	473	130.00	369	177.00	6232
51.00	6369	85.00	109	131.00	180	178.00	355
52.00	376	86.00	178	135.00	184	207.00	306
55.00	445	87.00	5873	141.00	616	217.00	128
56.00	1542	88.00	5345	143.00	897	233.00	102
57.00	3037	91.00	378	144.00	111	267.00	134
58.00	255	92.00	3419	144.00	221	269.00	238
60.00	1154	93.00	5228	145.00	170	270.00	124
61.00	5973	94.00	14135	147.00	221	324.00	134
62.00	6065	95.00	130296	148.00	187	341.00	117
63.00	3946	96.00	10118	149.00	105	343.00	182
64.00	621	97.00	153	150.00	230	356.00	129
65.00	143	103.00	112	152.00	163	363.00	117

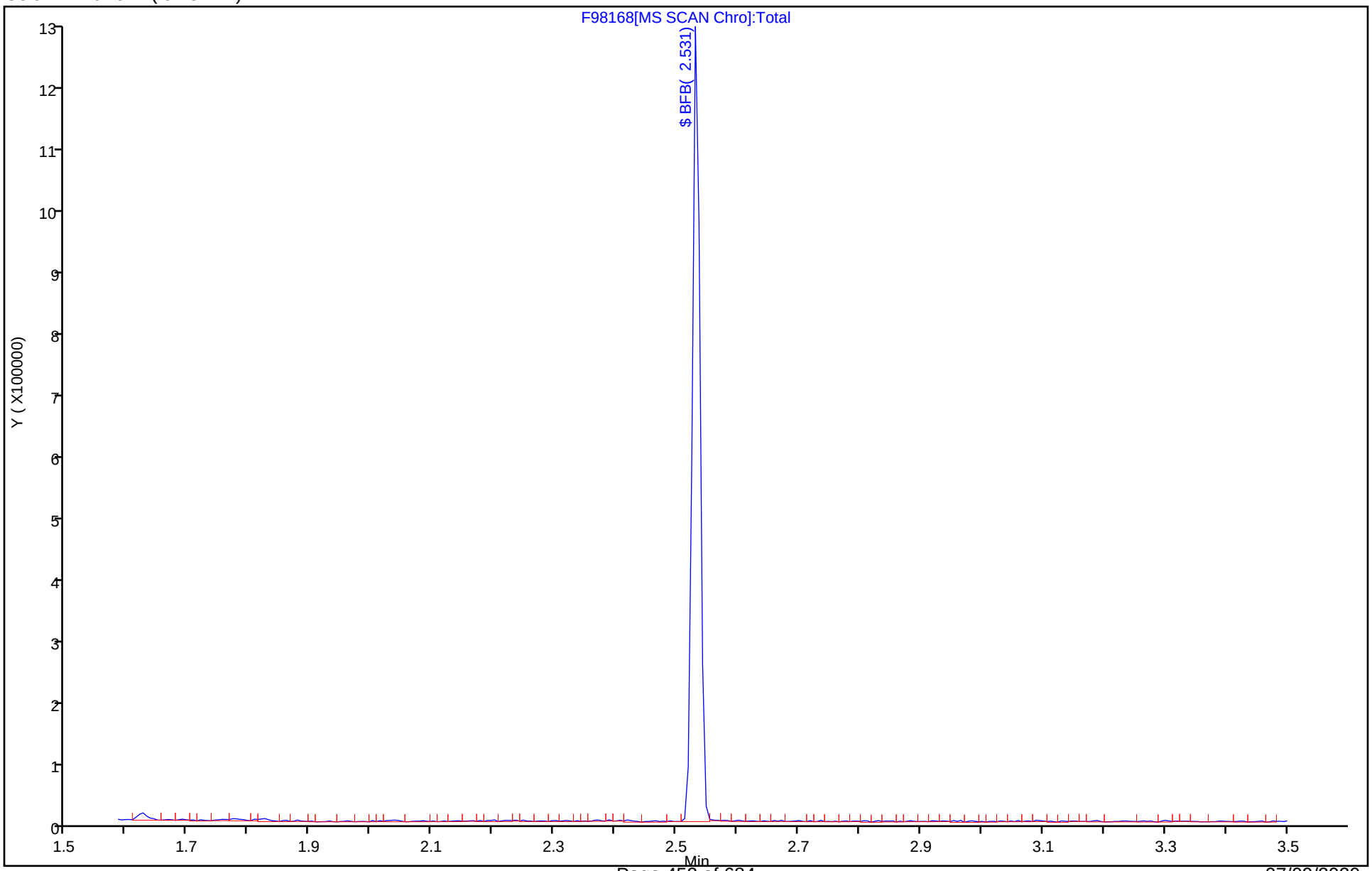
Report Date: 07-Jul-2020 23:12:25 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98168.D

Injection Date:	07-Jul-2020 19:17:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	BFB			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 mL	Dil. Factor:	1.0000	ALS Bottle#:	99
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706284/10

Matrix: Water Lab File ID: A90791.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/06/2020 22:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.457	J	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706284/10

Matrix: Water Lab File ID: A90791.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/06/2020 22:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34
179601-23-1	m&p-Xylene	0.30	U	1.0	0.30
79-20-9	Methyl acetate	0.79	U	5.0	0.79
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
1634-04-4	MTBE	0.47	U	1.0	0.47
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	89		75-123
460-00-4	Bromofluorobenzene	102		76-120
1868-53-7	Dibromofluoromethane (Surr)	93		77-124
2037-26-5	Toluene-d8 (Surr)	93		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706284/10

Matrix: Water Lab File ID: A90791.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/06/2020 22:13

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90791.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 06-Jul-2020 22:13:30 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: mb
Misc. Info.: 460-0112801-010
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 14:28:16 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1047

First Level Reviewer: moroneyc Date: 07-Jul-2020 06:57:56

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.659	3.666	-0.007	33	288357	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	87	256866	250.0	250.0	
$ 54 Dibromofluoromethane (Surr)	113	5.061	5.062	-0.001	97	123304	50.0	46.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.342	0.006	37	135368	50.0	44.7	
* 66 Fluorobenzene	96	5.561	5.555	0.006	100	569100	50.0	50.0	
* 72 1,4-Dioxane-d8	96	6.122	6.128	-0.006	22	34144	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	100	465675	50.0	46.7	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	84	394693	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	95	147208	50.0	51.0	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	94	226801	50.0	50.0	
135 1,2,3-Trichlorobenzene	180	11.237	11.231	0.006	32	1304		0.4571	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00209 Amount Added: 1.00 Units: uL Run Reagent

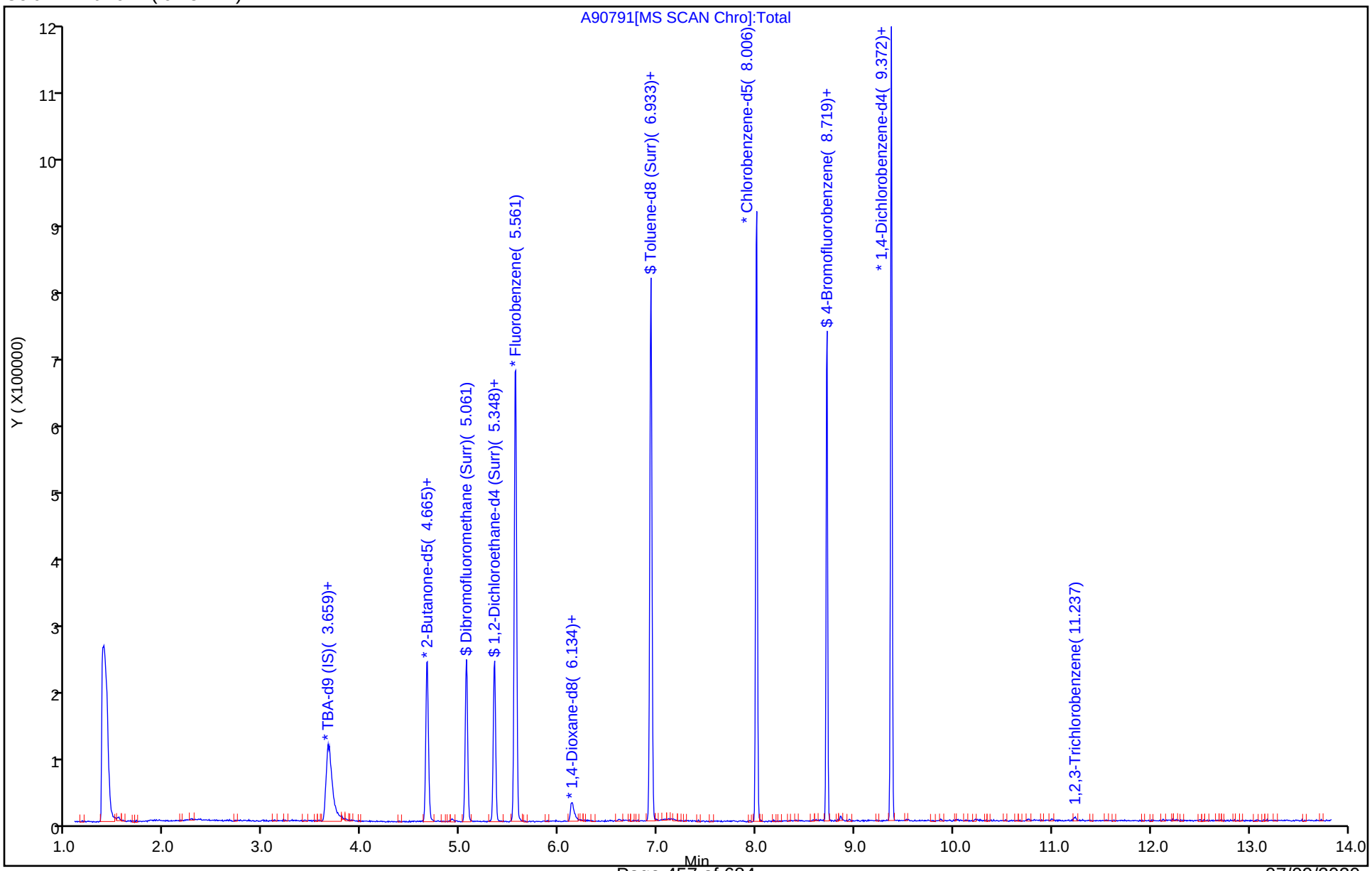
Report Date: 07-Jul-2020 14:28:17 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90791.D

Injection Date:	06-Jul-2020 22:13:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	MB			Worklist Smp#:	10
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

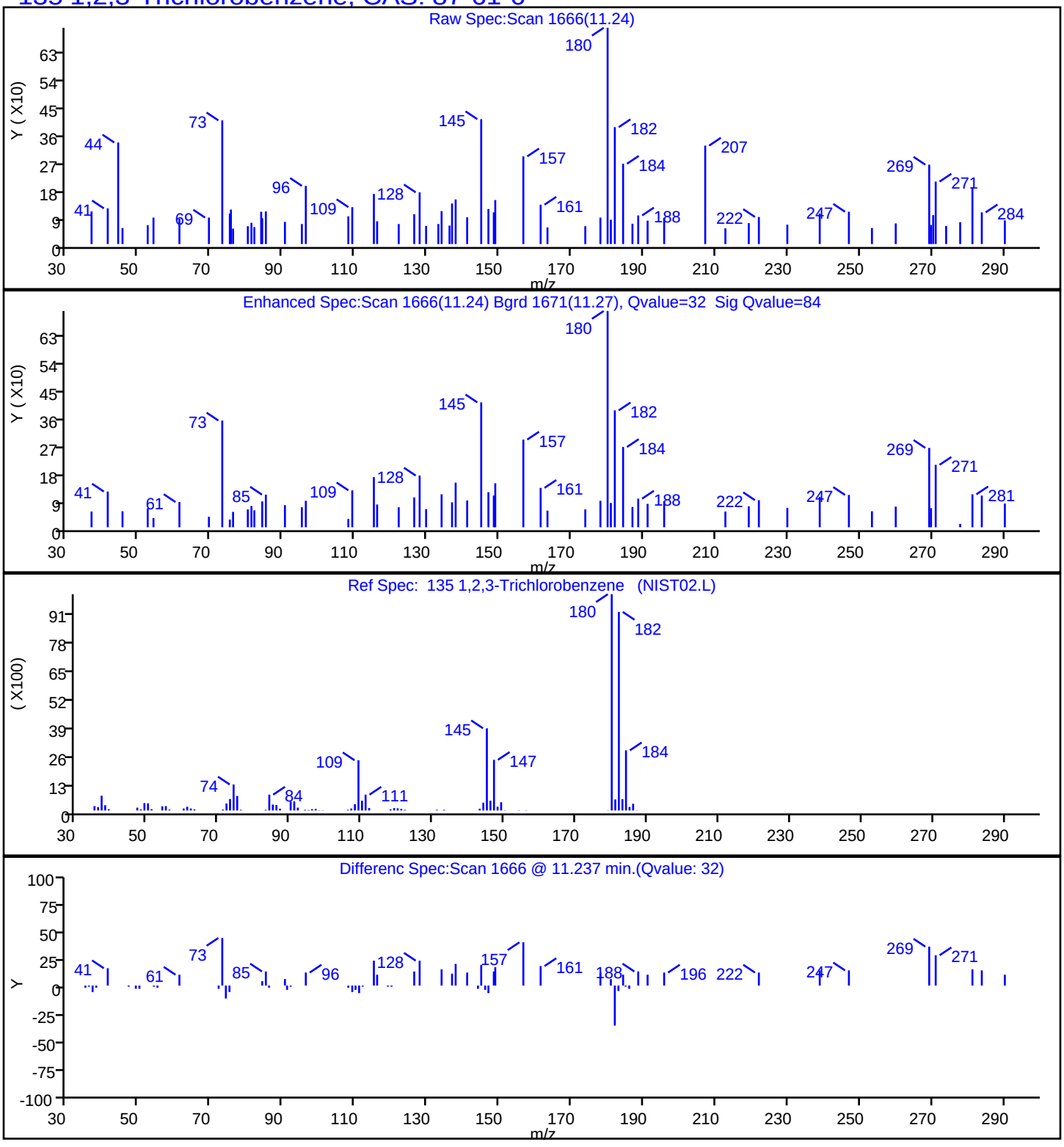
Column: Rtx-624 (0.25 mm)



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90791.D
Injection Date: 06-Jul-2020 22:13:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

135 1,2,3-Trichlorobenzene, CAS: 87-61-6



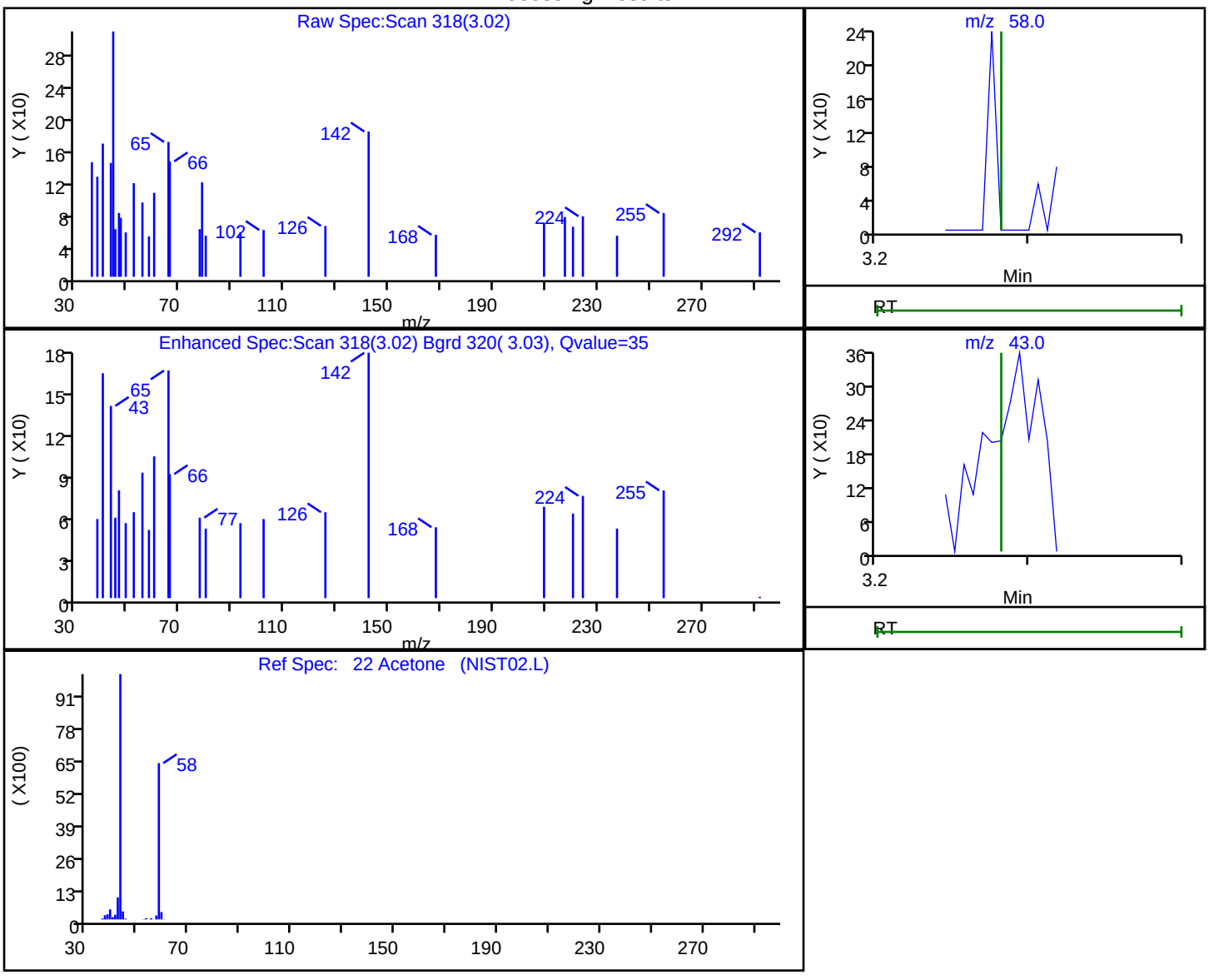
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90791.D
Injection Date: 06-Jul-2020 22:13:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.02	58.00	18	0.054730
3.03	43.00	150	

Reviewer: moroneyc, 07-Jul-2020 06:56:51
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

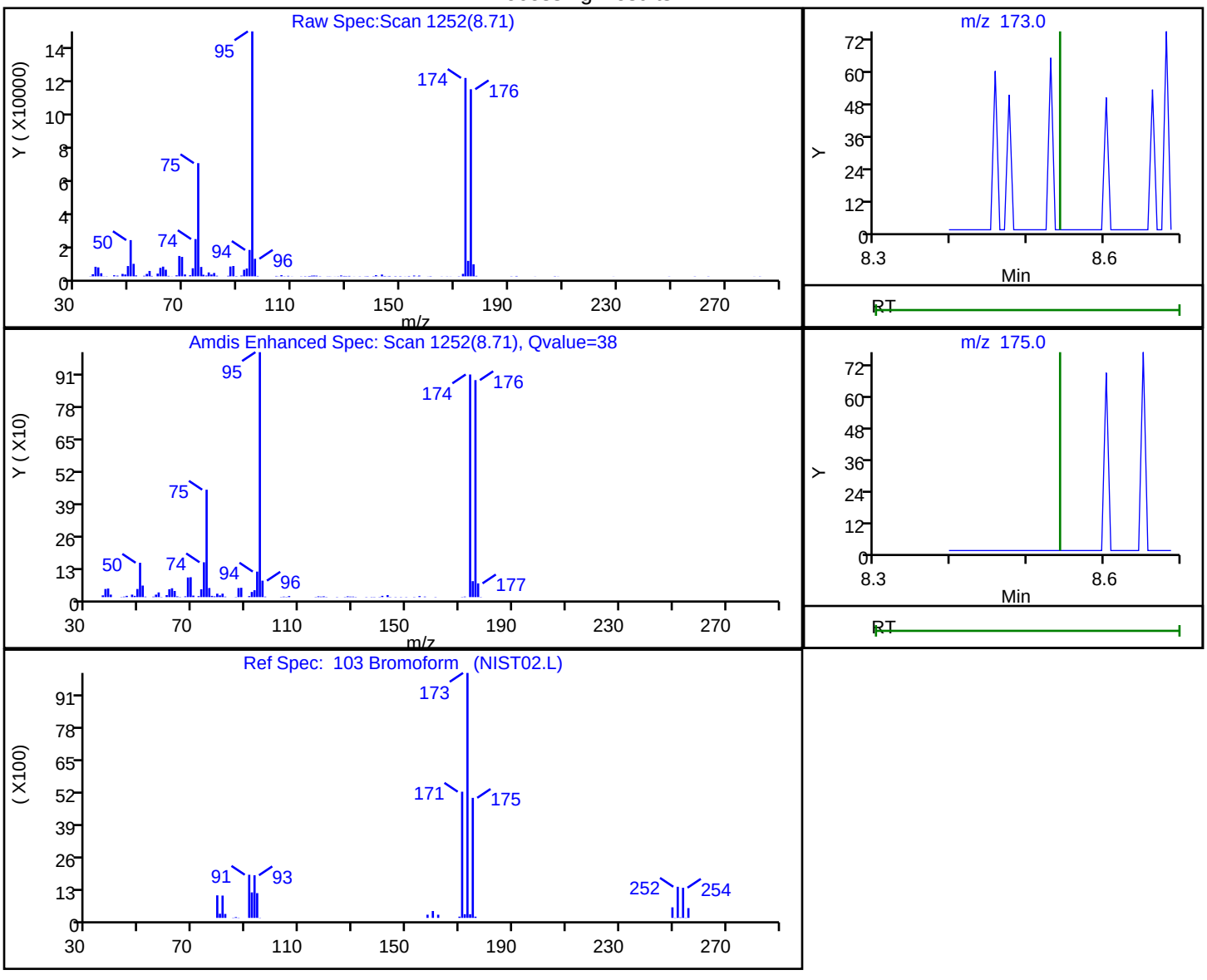
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90791.D
Injection Date: 06-Jul-2020 22:13:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
8.71	173.00	1074	1.352426
8.72	175.00	11370	

Reviewer: moroneyc, 07-Jul-2020 06:57:00
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

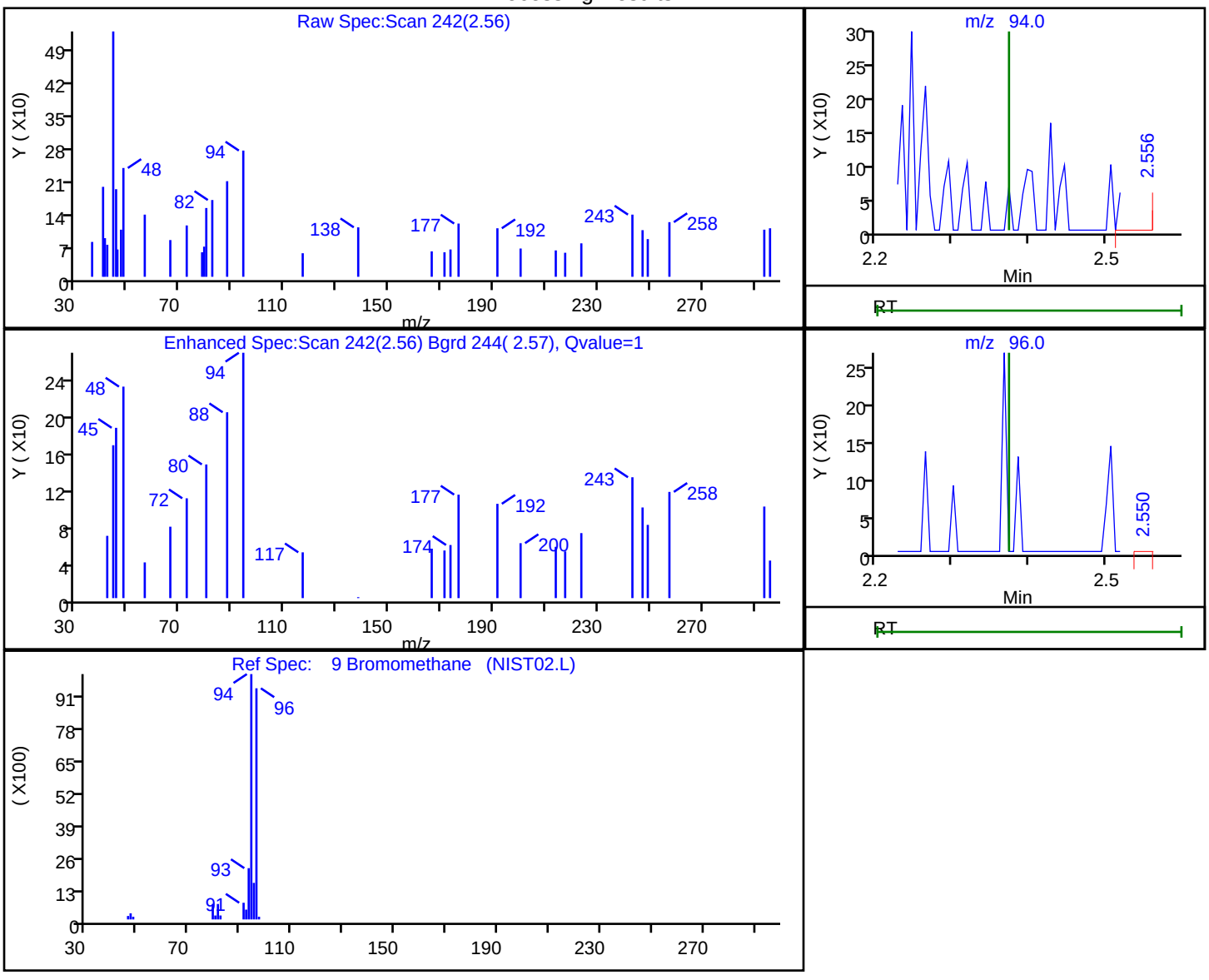
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90791.D
Injection Date: 06-Jul-2020 22:13:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 9 Worklist Smp#: 10
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.56	94.00	213	0.054885
2.55	96.00	33	

Reviewer: moroneyc, 07-Jul-2020 06:56:48
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706392/9

Matrix: Water Lab File ID: A90820.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706392/9

Matrix: Water Lab File ID: A90820.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34
179601-23-1	m&p-Xylene	0.30	U	1.0	0.30
79-20-9	Methyl acetate	0.79	U	5.0	0.79
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
1634-04-4	MTBE	0.47	U	1.0	0.47
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-123
460-00-4	Bromofluorobenzene	104		76-120
1868-53-7	Dibromofluoromethane (Surr)	96		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706392/9

Matrix: Water Lab File ID: A90820.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 11:55

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90820.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Jul-2020 11:55:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0112826-009
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 10:52:00 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: moroneyc Date: 07-Jul-2020 12:26:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.665	3.678	-0.013	33	286091	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.665	4.665	0.000	87	265451	250.0	250.0	
$ 54 Dibromofluoromethane (Surr)	113	5.062	5.061	0.001	97	125753	50.0	48.2	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.342	0.006	37	135808	50.0	45.5	
* 66 Fluorobenzene	96	5.561	5.561	0.000	100	560991	50.0	50.0	
* 72 1,4-Dioxane-d8	96	6.135	6.128	0.006	22	34524	1000.0	1000.0	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	99	486679	50.0	48.6	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	84	396485	50.0	50.0	
$ 105 4-Bromofluorobenzene	174	8.732	8.731	0.001	92	151053	50.0	52.1	
* 121 1,4-Dichlorobenzene-d4	152	9.396	9.402	-0.006	94	226222	50.0	50.0	

Reagents:

8260ISNEW_00129 Amount Added: 1.00 Units: uL Run Reagent
8260SURR250_00209 Amount Added: 1.00 Units: uL Run Reagent

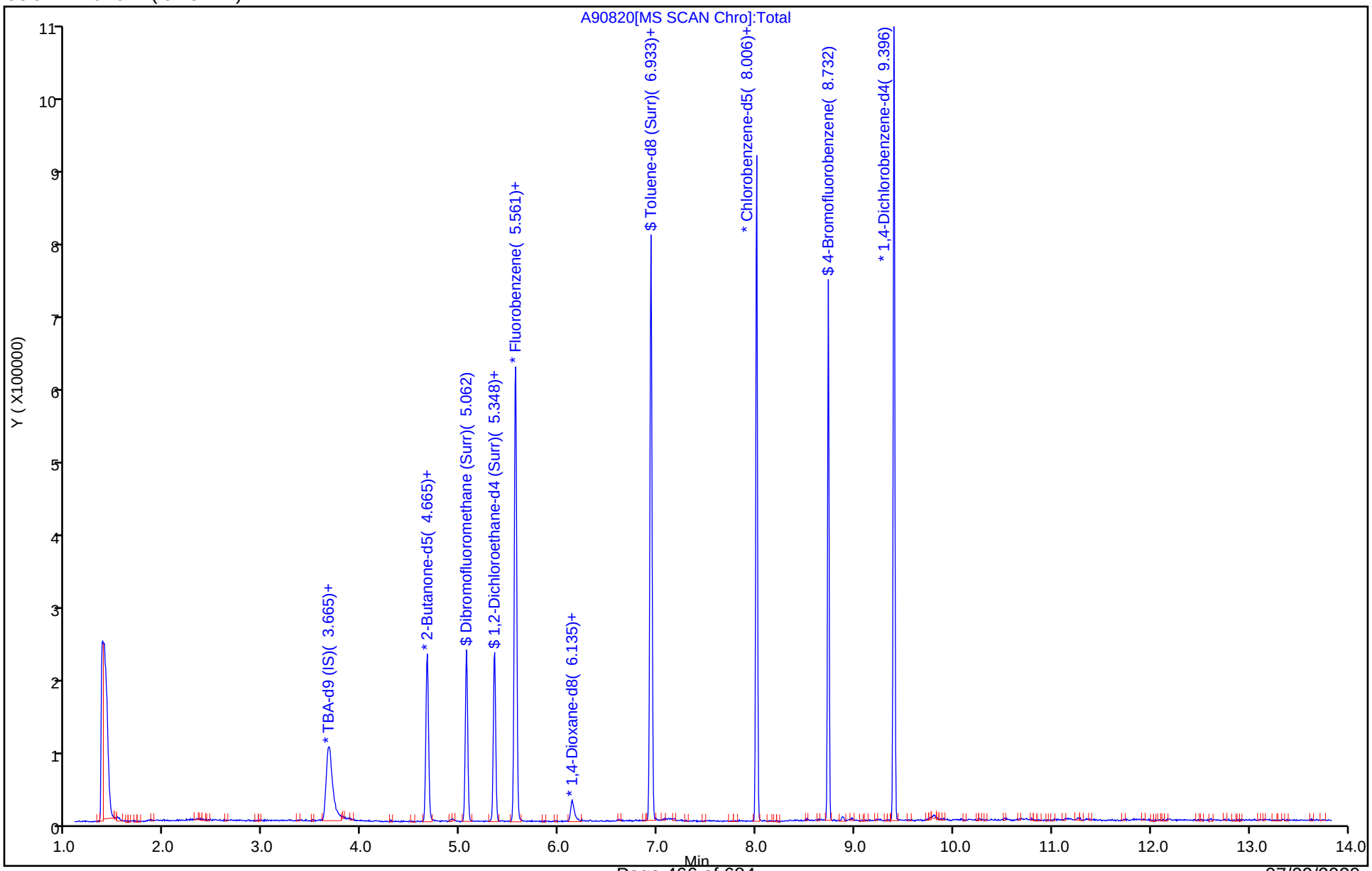
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90820.D

Injection Date:	07-Jul-2020 11:55:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	MB			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



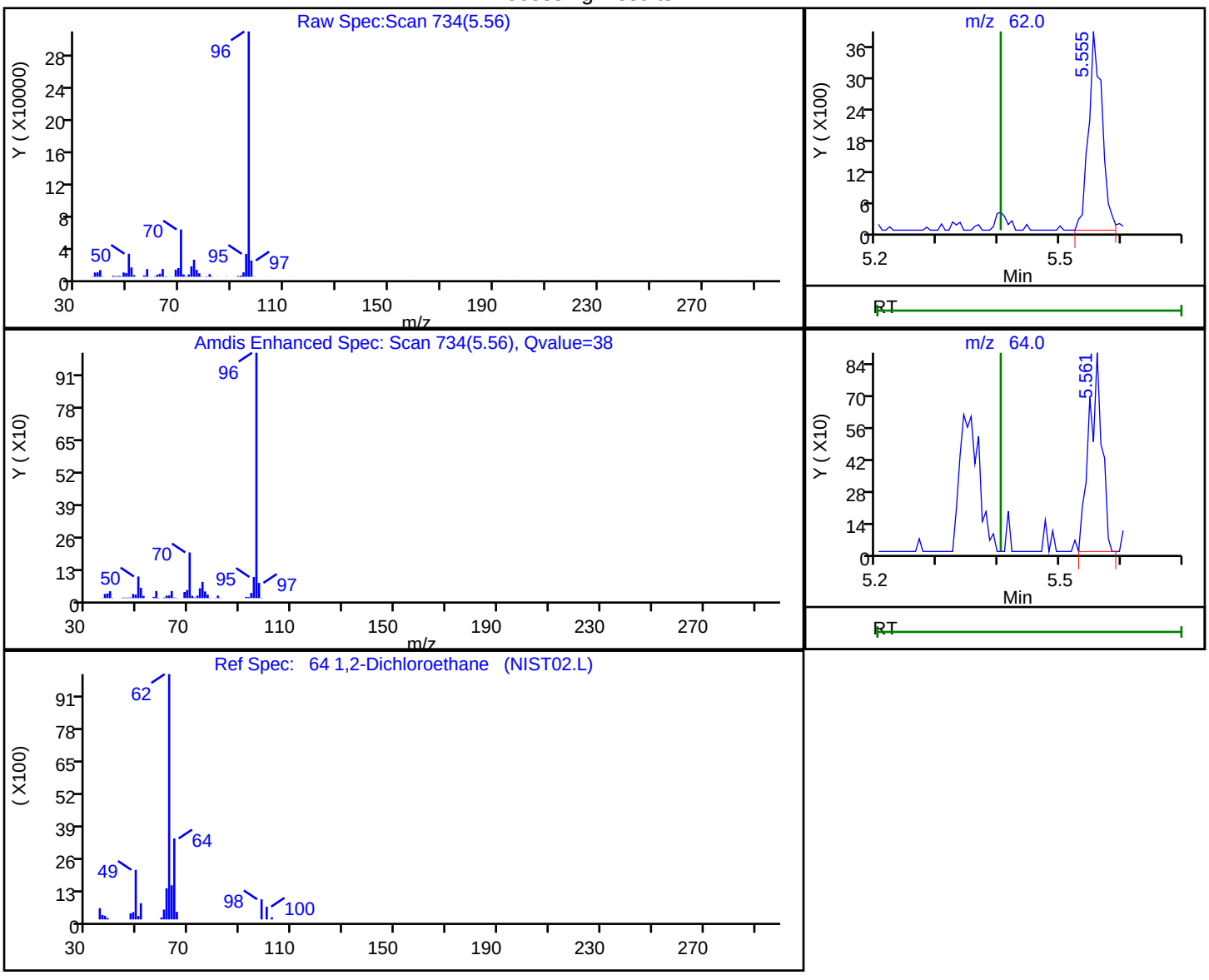
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90820.D
Injection Date: 07-Jul-2020 11:55:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

64 1,2-Dichloroethane, CAS: 107-06-2

Processing Results



RT	Mass	Response	Amount
5.56	62.00	5841	1.633104
5.56	64.00	1290	

Reviewer: moroneyc, 07-Jul-2020 12:26:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

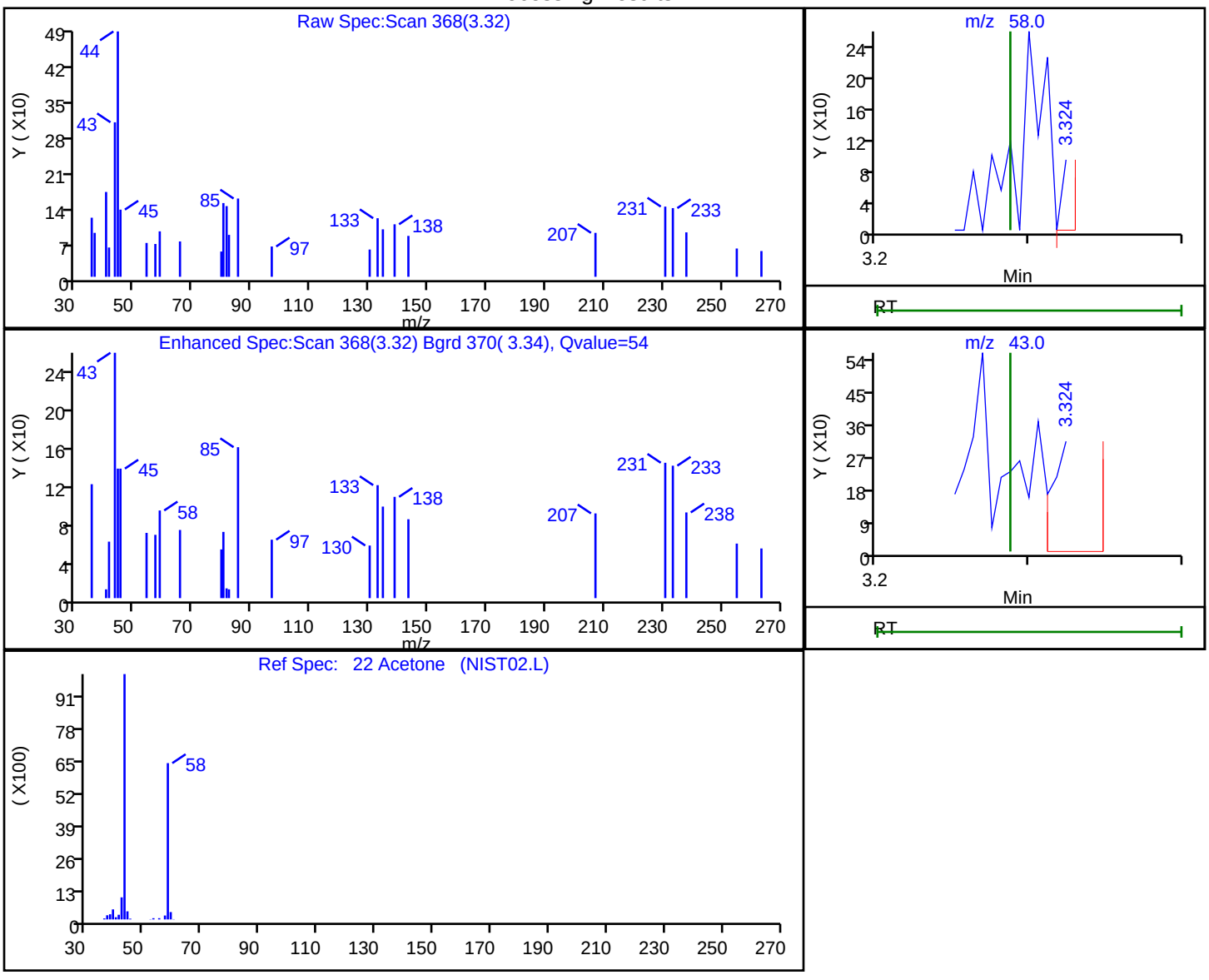
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90820.D
Injection Date: 07-Jul-2020 11:55:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

22 Acetone, CAS: 67-64-1

Processing Results



RT	Mass	Response	Amount
3.32	58.00	33	0.097094
3.32	43.00	391	

Reviewer: moroneyc, 07-Jul-2020 12:26:08
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

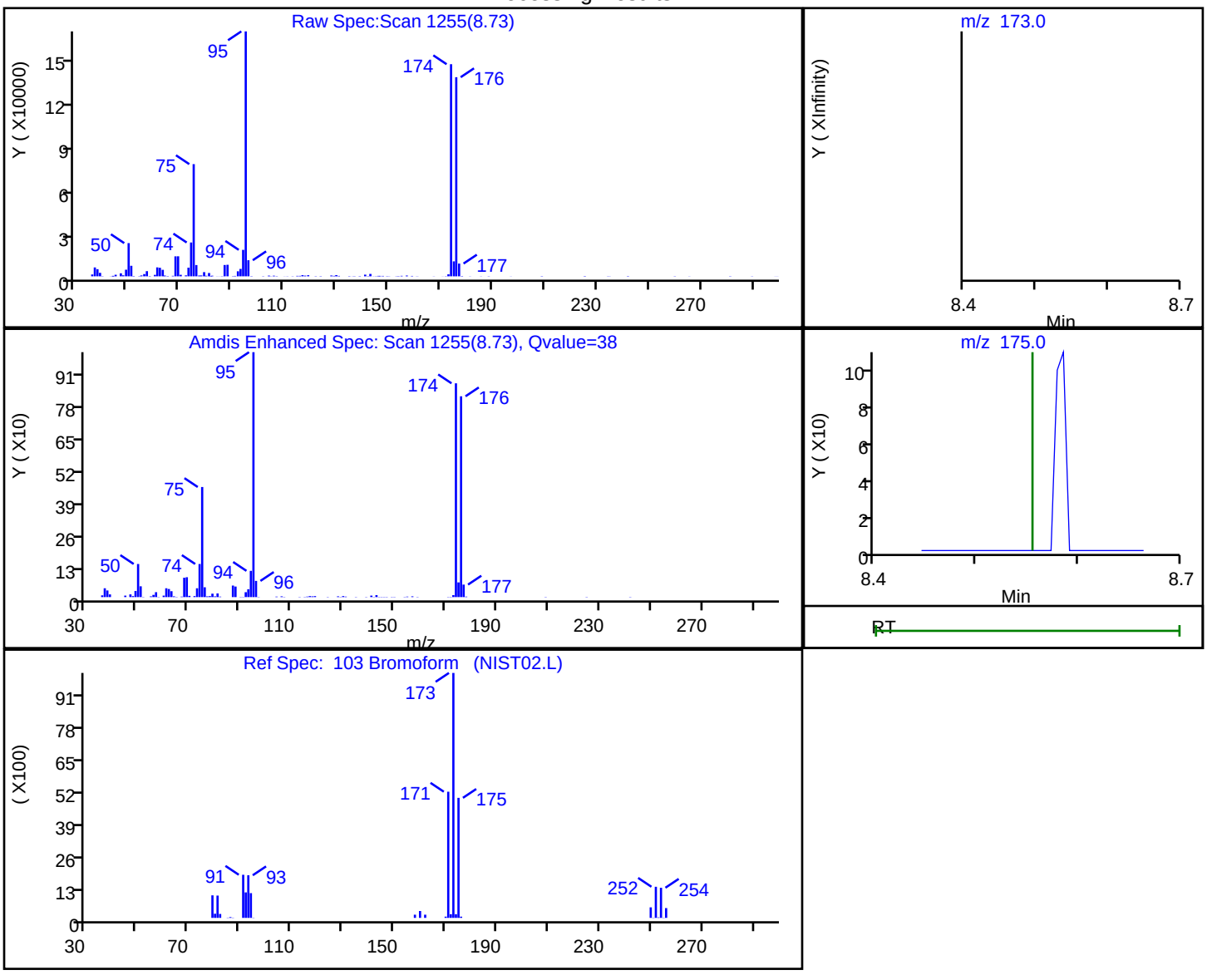
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90820.D
Injection Date: 07-Jul-2020 11:55:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

103 Bromoform, CAS: 75-25-2

Processing Results



RT	Mass	Response	Amount
8.73	173.00	1282	1.599718
8.73	175.00	10813	

Reviewer: moroneyc, 07-Jul-2020 12:26:18
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

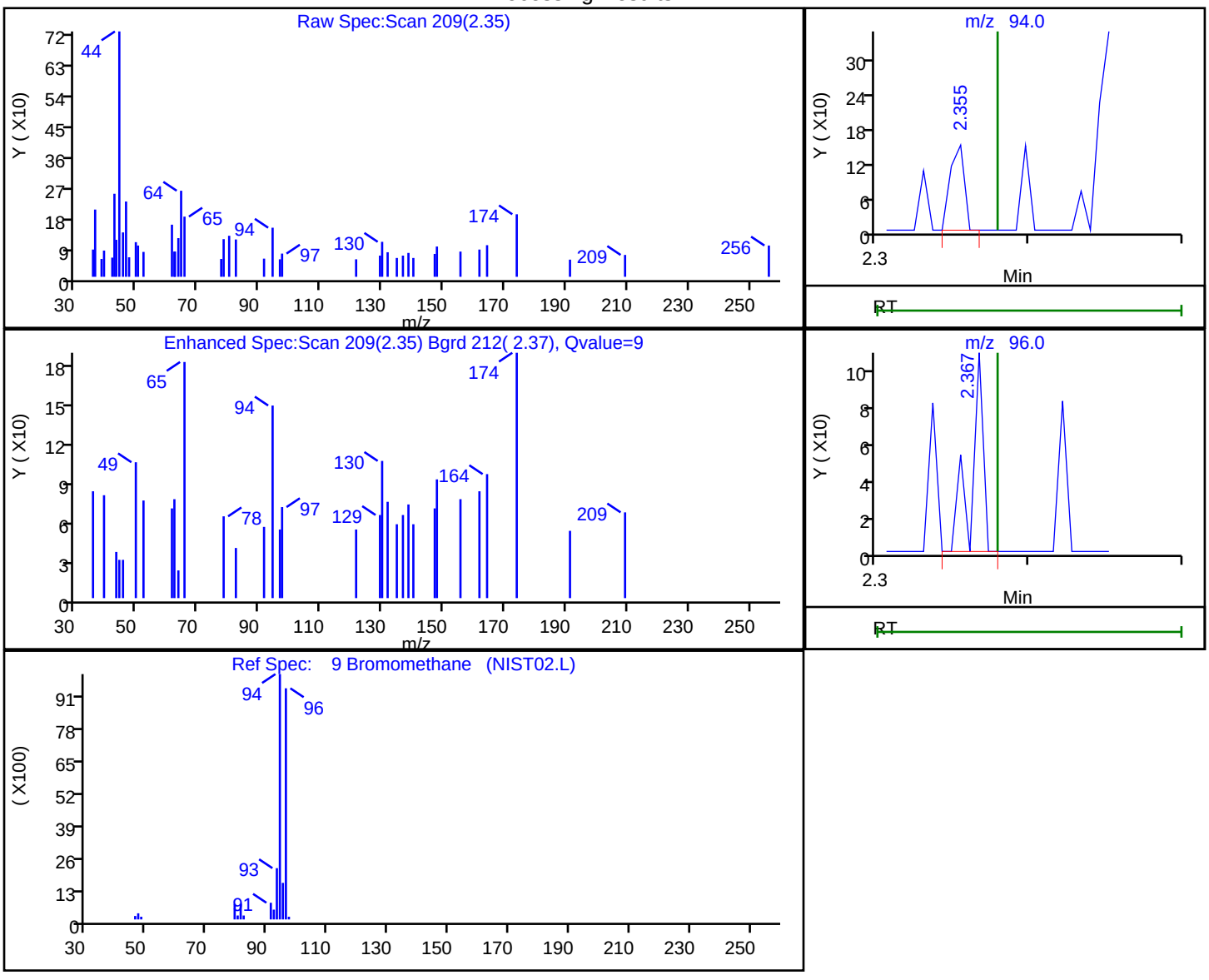
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90820.D
Injection Date: 07-Jul-2020 11:55:30 Instrument ID: CVOAMS1
Lims ID: MB
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

9 Bromomethane, CAS: 74-83-9

Processing Results



RT	Mass	Response	Amount
2.35	94.00	94	0.024571
2.37	96.00	58	

Reviewer: moroneyc, 07-Jul-2020 12:26:05
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706558/9

Matrix: Water Lab File ID: F98176.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 22:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	0.24	U	1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	0.37	U	1.0	0.37
79-00-5	1,1,2-Trichloroethane	0.43	U	1.0	0.43
75-34-3	1,1-Dichloroethane	0.26	U	1.0	0.26
75-35-4	1,1-Dichloroethene	0.26	U	1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	0.36	U	1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	0.37	U	1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	0.38	U	1.0	0.38
106-93-4	1,2-Dibromoethane	0.50	U	1.0	0.50
95-50-1	1,2-Dichlorobenzene	0.43	U	1.0	0.43
107-06-2	1,2-Dichloroethane	0.43	U	1.0	0.43
78-87-5	1,2-Dichloropropane	0.35	U	1.0	0.35
541-73-1	1,3-Dichlorobenzene	0.34	U	1.0	0.34
106-46-7	1,4-Dichlorobenzene	0.33	U	1.0	0.33
123-91-1	1,4-Dioxane	28	U	50	28
78-93-3	2-Butanone	1.9	U	5.0	1.9
591-78-6	2-Hexanone	1.1	U	5.0	1.1
108-10-1	4-Methyl-2-pentanone	1.3	U	5.0	1.3
67-64-1	Acetone	4.4	U	5.0	4.4
71-43-2	Benzene	0.20	U	1.0	0.20
74-97-5	Bromochloromethane	0.41	U	1.0	0.41
75-27-4	Bromodichloromethane	0.34	U	1.0	0.34
75-25-2	Bromoform	0.54	U	1.0	0.54
74-83-9	Bromomethane	0.55	U	1.0	0.55
75-15-0	Carbon disulfide	0.82	U	1.0	0.82
56-23-5	Carbon tetrachloride	0.21	U	1.0	0.21
108-90-7	Chlorobenzene	0.38	U	1.0	0.38
75-00-3	Chloroethane	0.32	U	1.0	0.32
67-66-3	Chloroform	0.33	U	1.0	0.33
74-87-3	Chloromethane	0.40	U	1.0	0.40
156-59-2	cis-1,2-Dichloroethene	0.22	U	1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	0.22	U	1.0	0.22
110-82-7	Cyclohexane	0.32	U	1.0	0.32
124-48-1	Dibromochloromethane	0.28	U	1.0	0.28
75-71-8	Dichlorodifluoromethane	0.31	U	1.0	0.31
100-41-4	Ethylbenzene	0.30	U	1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706558/9

Matrix: Water Lab File ID: F98176.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 22:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	0.31	U	1.0	0.31
98-82-8	Isopropylbenzene	0.34	U	1.0	0.34
179601-23-1	m&p-Xylene	0.30	U	1.0	0.30
79-20-9	Methyl acetate	0.79	U	5.0	0.79
108-87-2	Methylcyclohexane	0.26	U	1.0	0.26
75-09-2	Methylene Chloride	0.32	U	1.0	0.32
1634-04-4	MTBE	0.47	U	1.0	0.47
95-47-6	o-Xylene	0.36	U	1.0	0.36
100-42-5	Styrene	0.42	U	1.0	0.42
127-18-4	Tetrachloroethene	0.25	U	1.0	0.25
108-88-3	Toluene	0.38	U	1.0	0.38
156-60-5	trans-1,2-Dichloroethene	0.24	U	1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	0.49	U	1.0	0.49
79-01-6	Trichloroethene	0.31	U	1.0	0.31
75-69-4	Trichlorofluoromethane	0.32	U	1.0	0.32
75-01-4	Vinyl chloride	0.17	U	1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
460-00-4	Bromofluorobenzene	105		76-120
1868-53-7	Dibromofluoromethane (Surr)	103		77-124
2037-26-5	Toluene-d8 (Surr)	98		80-120

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-706558/9

Matrix: Water Lab File ID: F98176.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 22:32

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98176.D
Lims ID: MB
Client ID:
Sample Type: MB
Inject. Date: 07-Jul-2020 22:32:30 ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: MB
Misc. Info.: 460-0112863-009
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 06:28:25 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: moroneyc Date: 08-Jul-2020 06:18:34

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
* 31 TBA-d9 (IS)	65	3.176	3.176	0.000	0	138691	1000.0	1000.0	
* 42 2-Butanone-d5	46	4.220	4.220	0.000	0	192044	250.0	250.0	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	97	105093	50.0	51.7	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	113405	50.0	45.1	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	458730	50.0	50.0	
* 71 1,4-Dioxane-d8	96	5.987	5.978	0.009	0	14204	1000.0	1000.0	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	99	436188	50.0	48.8	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	84	323971	50.0	50.0	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	92	123774	50.0	52.4	
* 120 1,4-Dichlorobenzene-d4	152	10.900	10.908	-0.008	95	184036	50.0	50.0	

Reagents:

VOA6IS/SURR_00036 Amount Added: 5.00 Units: uL Run Reagent

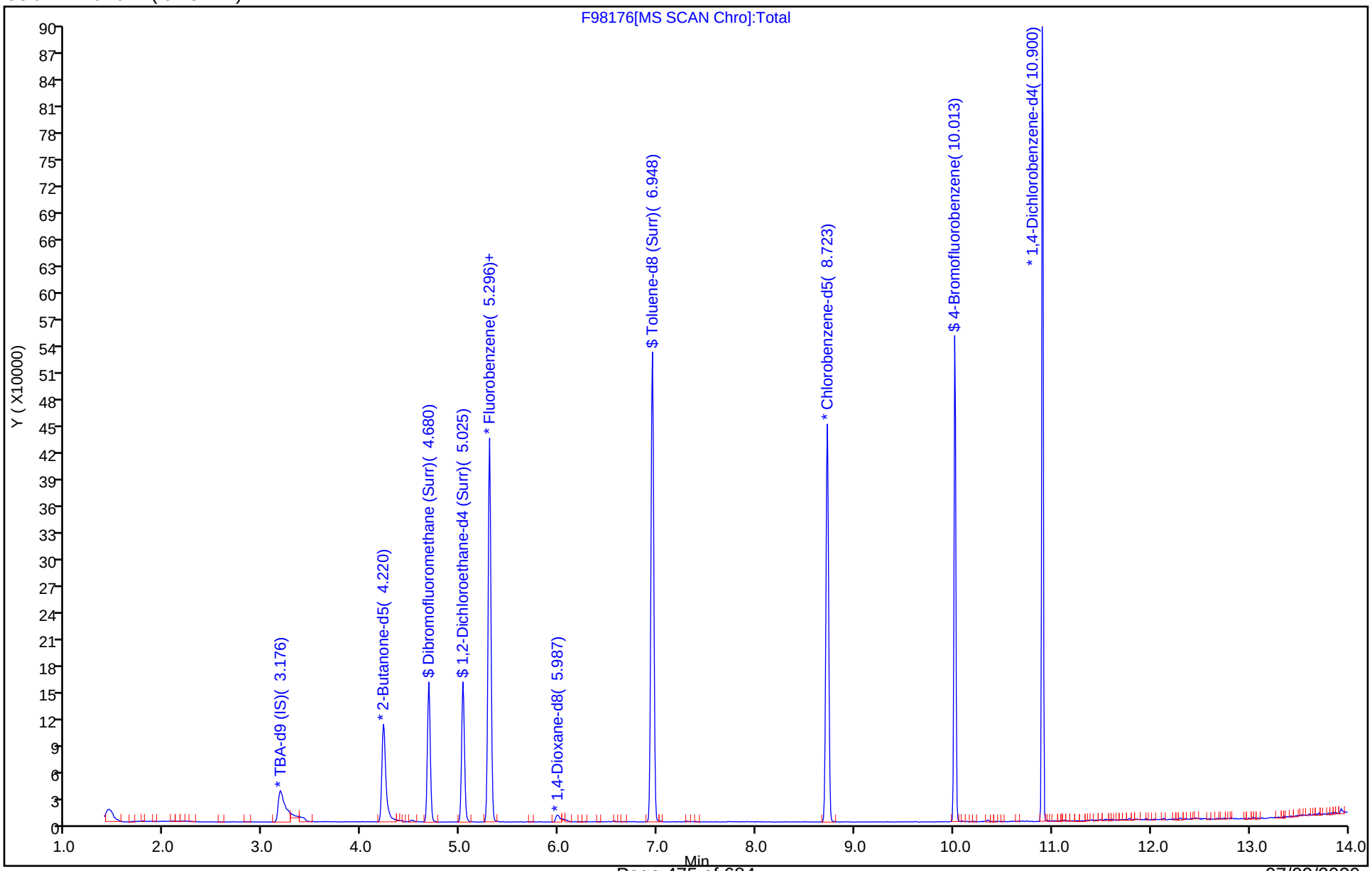
Report Date: 08-Jul-2020 06:28:50 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98176.D

Injection Date:	07-Jul-2020 22:32:30	Instrument ID:	CVOAMS6	Operator ID:	
Lims ID:	MB			Worklist Smp#:	9
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8260624W6	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



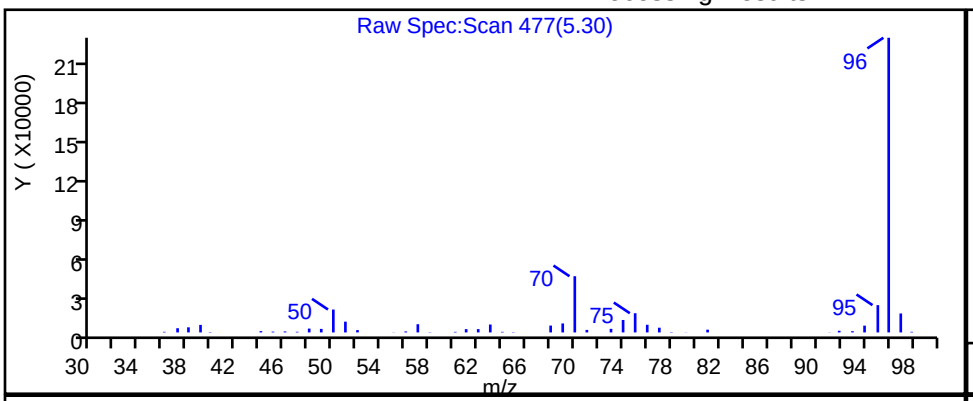
User Disabled Compound Report

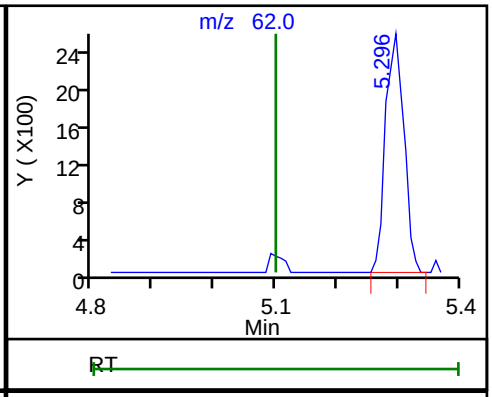
Eurofins TestAmerica, Edison

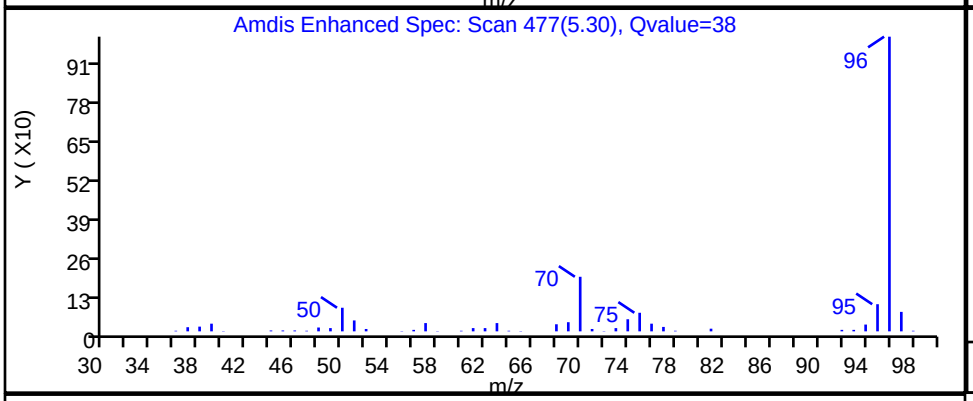
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Injection Date: 07-Jul-2020 22:32:30 Instrument ID: CVOAMS6
Lims ID: MB
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 9
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

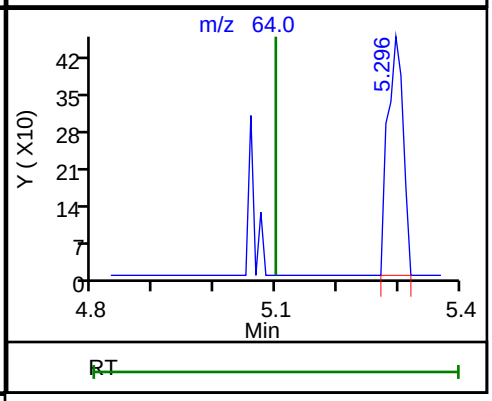
63 1,2-Dichloroethane, CAS: 107-06-2

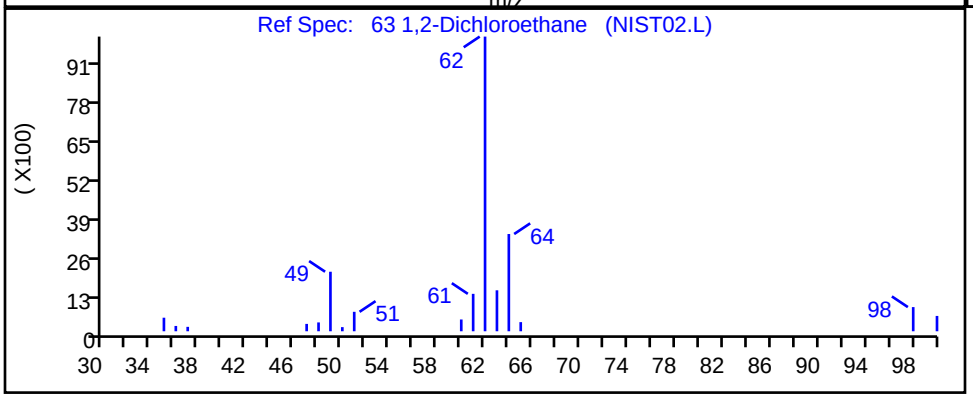
Processing Results











RT	Mass	Response	Amount
5.30	62.00	5323	1.768404
5.30	64.00	800	

Reviewer: moroneyc, 08-Jul-2020 06:18:25
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-706284/4

Matrix: Water Lab File ID: A90785.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/06/2020 19:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.9		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.9		1.0	0.37
79-00-5	1,1,2-Trichloroethane	19.9		1.0	0.43
75-34-3	1,1-Dichloroethane	18.7		1.0	0.26
75-35-4	1,1-Dichloroethene	18.7		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	30.9		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	24.3		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.0	0.38
106-93-4	1,2-Dibromoethane	21.8		1.0	0.50
95-50-1	1,2-Dichlorobenzene	21.2		1.0	0.43
107-06-2	1,2-Dichloroethane	19.1		1.0	0.43
78-87-5	1,2-Dichloropropane	19.2		1.0	0.35
541-73-1	1,3-Dichlorobenzene	20.9		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.0		1.0	0.33
123-91-1	1,4-Dioxane	440		50	28
78-93-3	2-Butanone	110		5.0	1.9
591-78-6	2-Hexanone	104		5.0	1.1
108-10-1	4-Methyl-2-pentanone	111		5.0	1.3
67-64-1	Acetone	85.9		5.0	4.4
71-43-2	Benzene	19.7		1.0	0.20
74-97-5	Bromochloromethane	21.4		1.0	0.41
75-27-4	Bromodichloromethane	21.4		1.0	0.34
75-25-2	Bromoform	26.4		1.0	0.54
74-83-9	Bromomethane	18.7		1.0	0.55
75-15-0	Carbon disulfide	19.6		1.0	0.82
56-23-5	Carbon tetrachloride	25.0		1.0	0.21
108-90-7	Chlorobenzene	21.0		1.0	0.38
75-00-3	Chloroethane	17.0		1.0	0.32
67-66-3	Chloroform	20.2		1.0	0.33
74-87-3	Chloromethane	13.8		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.0		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	21.4		1.0	0.22
110-82-7	Cyclohexane	20.2		1.0	0.32
124-48-1	Dibromochloromethane	23.1		1.0	0.28
75-71-8	Dichlorodifluoromethane	10.6		1.0	0.31
100-41-4	Ethylbenzene	19.7		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-706284/4

Matrix: Water Lab File ID: A90785.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/06/2020 19:50

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	20.2		1.0	0.31
98-82-8	Isopropylbenzene	20.5		1.0	0.34
179601-23-1	m&p-Xylene	20.3		1.0	0.30
79-20-9	Methyl acetate	31.7		5.0	0.79
108-87-2	Methylcyclohexane	22.3		1.0	0.26
75-09-2	Methylene Chloride	18.9		1.0	0.32
1634-04-4	MTBE	21.3		1.0	0.47
95-47-6	o-Xylene	20.3		1.0	0.36
100-42-5	Styrene	20.7		1.0	0.42
127-18-4	Tetrachloroethene	21.3		1.0	0.25
108-88-3	Toluene	20.6		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	19.6		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	25.0		1.0	0.49
79-01-6	Trichloroethene	19.3		1.0	0.31
75-69-4	Trichlorofluoromethane	18.5		1.0	0.32
75-01-4	Vinyl chloride	15.7		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	85		75-123
460-00-4	Bromofluorobenzene	100		76-120
1868-53-7	Dibromofluoromethane (Surr)	93		77-124
2037-26-5	Toluene-d8 (Surr)	93		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90785.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 06-Jul-2020 19:50:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0112801-004
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 14:26:56 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1047

First Level Reviewer: moroneyc Date: 07-Jul-2020 06:25:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.684	1.684	0.000	98	50846	20.0	10.6	
6 Chloromethane	50	1.898	1.904	-0.006	99	78709	20.0	13.8	
8 Vinyl chloride	62	2.001	2.013	-0.012	97	86499	20.0	15.7	
7 Butadiene	39	2.020	2.038	-0.018	72	63476	20.0	14.0	
9 Bromomethane	94	2.367	2.373	-0.006	98	70673	20.0	18.7	
10 Chloroethane	64	2.452	2.477	-0.025	98	52352	20.0	17.0	
12 Trichlorofluoromethane	101	2.690	2.684	0.006	70	92830	20.0	18.5	
11 Dichlorofluoromethane	67	2.684	2.690	-0.006	98	122743	20.0	18.2	
13 Pentane	72	2.715	2.721	-0.006	96	21909	40.0	34.3	
14 Ethyl ether	59	2.940	2.940	0.000	94	46116	20.0	17.1	
15 Ethanol	46	2.952	2.946	0.006	65	12300	800.0	588.8	
16 2-Methyl-1,3-butadiene	53	2.964	2.964	0.000	95	53324	20.0	17.1	
19 Acrolein	56	3.147	3.141	0.006	80	14375	40.0	102.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.153	3.166	-0.013	96	69676	20.0	20.2	
21 1,1-Dichloroethene	96	3.184	3.178	0.006	97	61038	20.0	18.7	
22 Acetone	58	3.275	3.281	-0.006	87	28155	100.0	85.9	
23 Iodomethane	142	3.355	3.355	0.000	95	130035	20.0	21.9	
25 Isopropyl alcohol	45	3.385	3.385	0.000	34	33431	200.0	181.8	
24 Carbon disulfide	76	3.385	3.391	-0.006	98	249925	20.0	19.6	
26 3-Chloro-1-propene	76	3.525	3.525	0.000	91	43253	20.0	18.6	
27 Methyl acetate	43	3.538	3.538	0.000	66	71552	40.0	31.7	
28 Cyclopentene	67	3.544	3.544	0.000	89	155073	20.0	18.0	
29 Acetonitrile	41	3.599	3.605	-0.007	99	65437	200.0	154.7	
30 Methylene Chloride	84	3.659	3.659	0.000	88	75189	20.0	18.9	
* 31 TBA-d9 (IS)	65	3.653	3.666	-0.013	77	269520	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.727	3.745	-0.018	94	51375	200.0	198.4	
33 Methyl tert-butyl ether	73	3.824	3.830	-0.006	96	159761	20.0	21.3	
34 trans-1,2-Dichloroethene	96	3.842	3.848	-0.006	92	66747	20.0	19.6	
35 Acrylonitrile	53	3.922	3.922	0.000	97	239785	200.0	191.0	
36 Hexane	43	3.989	3.995	-0.006	90	50052	20.0	18.9	
37 Isopropyl ether	45	4.196	4.202	-0.006	96	174941	20.0	17.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	4.233	4.233	0.001	99	105043	20.0	18.7	
39 Vinyl acetate	86	4.239	4.239	0.000	99	21529	40.0	47.9	
40 2-Chloro-1,3-butadiene	88	4.275	4.269	0.006	86	58790	20.0	21.3	
41 Tert-butyl ethyl ether	59	4.489	4.489	0.000	91	168855	20.0	21.4	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	91	256091	250.0	250.0	
43 2,2-Dichloropropane	97	4.690	4.684	0.006	58	17047	20.0	21.7	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	99	71499	20.0	20.0	
45 Ethyl acetate	70	4.702	4.708	-0.006	94	11761	40.0	47.4	
46 2-Butanone (MEK)	72	4.714	4.708	0.006	98	34368	100.0	109.6	
47 Methyl acrylate	55	4.751	4.751	0.000	100	46891	20.0	20.9	
48 Propionitrile	54	4.824	4.824	0.000	100	89223	200.0	195.0	
50 Tetrahydrofuran	72	4.891	4.891	0.000	66	16881	40.0	48.1	
49 Chlorobromomethane	128	4.891	4.891	0.000	79	36286	20.0	21.4	
51 Methacrylonitrile	67	4.909	4.909	0.000	89	258026	200.0	208.1	
52 Chloroform	83	4.928	4.934	-0.006	99	102055	20.0	20.2	
53 Cyclohexane	56	5.049	5.043	0.006	88	117191	20.0	20.2	
$ 54 Dibromofluoromethane (Surr)	113	5.062	5.062	0.000	98	119350	50.0	46.3	
55 1,1,1-Trichloroethane	97	5.056	5.062	-0.006	75	77133	20.0	20.9	
56 Carbon tetrachloride	117	5.153	5.153	0.000	98	51875	20.0	25.0	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	98	78755	20.0	19.6	
58 Isobutyl alcohol	43	5.251	5.251	0.000	93	34233	500.0	569.7	
59 Isooctane	57	5.299	5.299	0.000	95	214963	20.0	21.0	
60 Benzene	78	5.336	5.336	0.000	95	245134	20.0	19.7	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	95	124688	50.0	42.3	
62 Isopropyl acetate	43	5.360	5.360	0.000	97	144008	20.0	19.9	
63 Tert-amyl methyl ether	87	5.373	5.366	0.007	93	55028	20.0	23.0	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	96	67543	20.0	19.1	
65 n-Heptane	71	5.434	5.433	0.001	89	69213	20.0	18.4	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	553782	50.0	50.0	
67 n-Butanol	56	5.775	5.775	0.000	83	21728	500.0	591.9	
68 Trichloroethene	95	5.842	5.842	0.000	96	58501	20.0	19.3	
70 Ethyl acrylate	55	5.915	5.921	-0.006	95	71451	20.0	22.7	
69 Methylcyclohexane	83	5.958	5.958	0.000	94	124820	20.0	22.3	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	91	59019	20.0	19.2	
73 Methyl methacrylate	100	6.128	6.128	0.000	83	30195	40.0	47.6	
* 72 1,4-Dioxane-d8	96	6.122	6.128	-0.006	92	33651	1000.0	1000.0	
74 n-Propyl acetate	43	6.165	6.171	-0.006	98	61128	20.0	19.2	
76 1,4-Dioxane	88	6.183	6.183	0.000	34	15853	400.0	439.7	
75 Dibromomethane	93	6.208	6.208	0.000	96	36259	20.0	20.2	
77 Dichlorobromomethane	83	6.330	6.330	0.000	99	61459	20.0	21.4	
78 2-Chloroethyl vinyl ether	63	6.598	6.604	-0.006	96	33980	20.0	19.3	
79 2-Nitropropane	41	6.616	6.616	0.000	92	11053	40.0	48.7	a
80 Epichlorohydrin	57	6.695	6.695	0.000	99	102577	400.0	495.6	
81 cis-1,3-Dichloropropene	75	6.744	6.744	0.000	88	79760	20.0	21.4	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	93	253426	100.0	111.0	a
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	99	473314	50.0	46.6	
84 Toluene	91	6.988	6.988	0.000	93	253492	20.0	20.6	
85 trans-1,3-Dichloropropene	75	7.208	7.208	0.000	96	67647	20.0	25.0	
86 Ethyl methacrylate	69	7.208	7.208	0.000	80	64200	20.0	19.4	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	96	41687	20.0	19.9	
88 Tetrachloroethene	166	7.390	7.390	0.000	97	61523	20.0	21.3	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	92	82789	20.0	19.1	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 2-Hexanone	43	7.500	7.494	0.006	93	152116	100.0	103.9	
91 n-Butyl acetate	73	7.549	7.549	0.000	97	13381	20.0	20.4	
92 Chlorodibromomethane	129	7.622	7.622	0.000	97	39760	20.0	23.1	
93 Ethylene Dibromide	107	7.720	7.720	0.000	100	47350	20.0	21.8	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	83	402446	50.0	50.0	
95 Chlorobenzene	112	8.024	8.024	0.000	96	160121	20.0	21.0	
96 Ethylbenzene	106	8.061	8.061	0.000	97	88091	20.0	19.7	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	92	47897	20.0	27.1	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	98	109536	20.0	20.3	
99 n-Butyl acrylate	73	8.335	8.335	0.000	99	35558	20.0	20.5	
100 o-Xylene	106	8.390	8.390	0.000	94	111909	20.0	20.3	
101 Styrene	104	8.402	8.402	0.000	96	175578	20.0	20.7	
102 Amyl acetate (mixed isomers)	43	8.470	8.469	0.001	92	75762	20.0	15.5	
103 Bromoform	173	8.543	8.543	0.000	97	22926	20.0	26.4	
104 Isopropylbenzene	105	8.591	8.591	0.000	95	297134	20.0	20.5	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	95	146997	50.0	49.9	
106 1,1,2,2-Tetrachloroethane	83	8.805	8.805	0.000	98	67502	20.0	18.9	
107 Bromobenzene	156	8.811	8.811	0.000	94	71531	20.0	20.5	
108 N-Propylbenzene	91	8.829	8.823	0.006	99	350749	20.0	19.6	
109 trans-1,4-Dichloro-2-butene	53	8.841	8.841	0.000	72	14164	20.0	16.6	
110 1,2,3-Trichloropropane	110	8.841	8.841	0.000	95	20462	20.0	19.5	
111 4-Ethyltoluene	105	8.890	8.884	0.006	98	303959	20.0	20.1	
112 2-Chlorotoluene	91	8.902	8.902	0.000	95	258078	20.0	19.9	
113 1,3,5-Trimethylbenzene	105	8.921	8.921	0.000	94	257746	20.0	19.9	
114 Butyl Methacrylate	87	8.951	8.945	0.006	85	75488	20.0	17.5	
115 4-Chlorotoluene	91	8.963	8.963	0.000	97	200839	20.0	20.1	
116 tert-Butylbenzene	119	9.104	9.104	0.000	96	210953	20.0	21.2	
117 1,2,4-Trimethylbenzene	105	9.140	9.134	0.006	96	266064	20.0	20.1	
118 sec-Butylbenzene	105	9.225	9.225	0.000	99	334857	20.0	20.2	
119 4-Isopropyltoluene	119	9.305	9.299	0.006	98	295111	20.0	20.8	
120 1,3-Dichlorobenzene	146	9.335	9.329	0.006	98	145315	20.0	20.9	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	94	229089	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.390	9.384	0.006	90	147737	20.0	21.0	
123 1,2,3-Trimethylbenzene	105	9.390	9.390	0.000	97	284500	20.0	20.0	
124 Benzyl chloride	91	9.469	9.469	0.000	99	76124	20.0	27.2	
125 2,3-Dihydroindene	117	9.524	9.518	0.006	92	298609	20.0	19.8	
126 p-Diethylbenzene	119	9.530	9.524	0.006	94	173419	20.0	20.6	
127 n-Butylbenzene	92	9.549	9.542	0.007	97	160847	20.0	20.2	
128 1,2-Dichlorobenzene	146	9.622	9.622	0.000	98	153536	20.0	21.2	
129 1,2,4,5-Tetramethylbenzene	119	10.042	10.036	0.006	98	291318	20.0	22.5	
130 1,2-Dibromo-3-Chloropropane	75	10.152	10.146	0.006	92	8329	20.0	19.4	
131 1,3,5-Trichlorobenzene	180	10.256	10.250	0.006	97	127015	20.0	22.2	
132 1,2,4-Trichlorobenzene	180	10.768	10.762	0.006	94	107885	20.0	24.3	
133 Hexachlorobutadiene	225	10.841	10.835	0.006	94	43330	20.0	20.4	
134 Naphthalene	128	11.012	11.006	0.006	99	236482	20.0	29.2	
135 1,2,3-Trichlorobenzene	180	11.237	11.231	0.006	94	88983	20.0	30.9	
S 136 1,2-Dichloroethene, Total	100				0		40.0	39.5	
S 137 Xylenes, Total	100				0		40.0	40.6	
S 138 Total BTEX	1				0		100.0	100.6	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

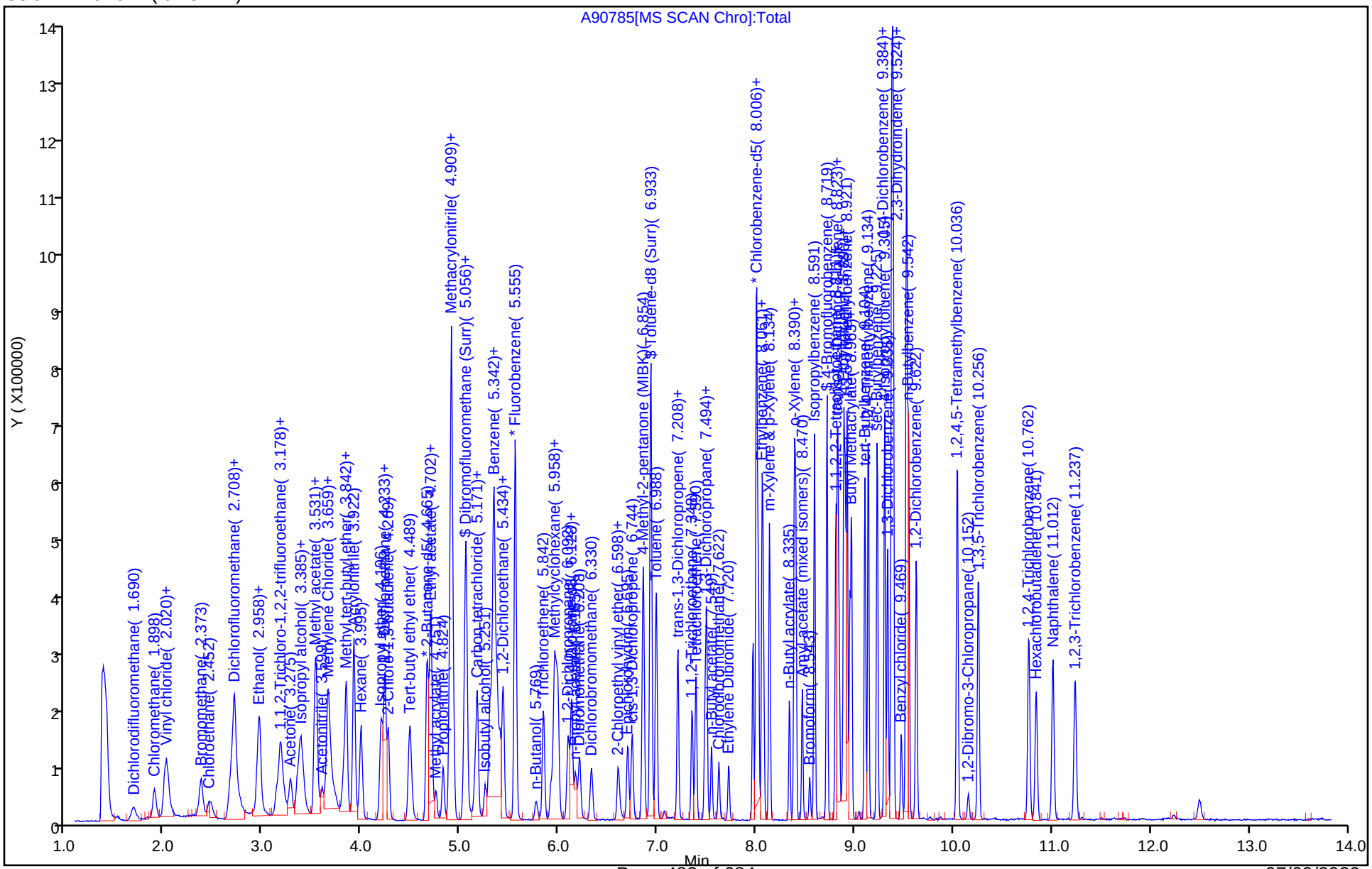
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90785.D

Injection Date:	06-Jul-2020 19:50:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

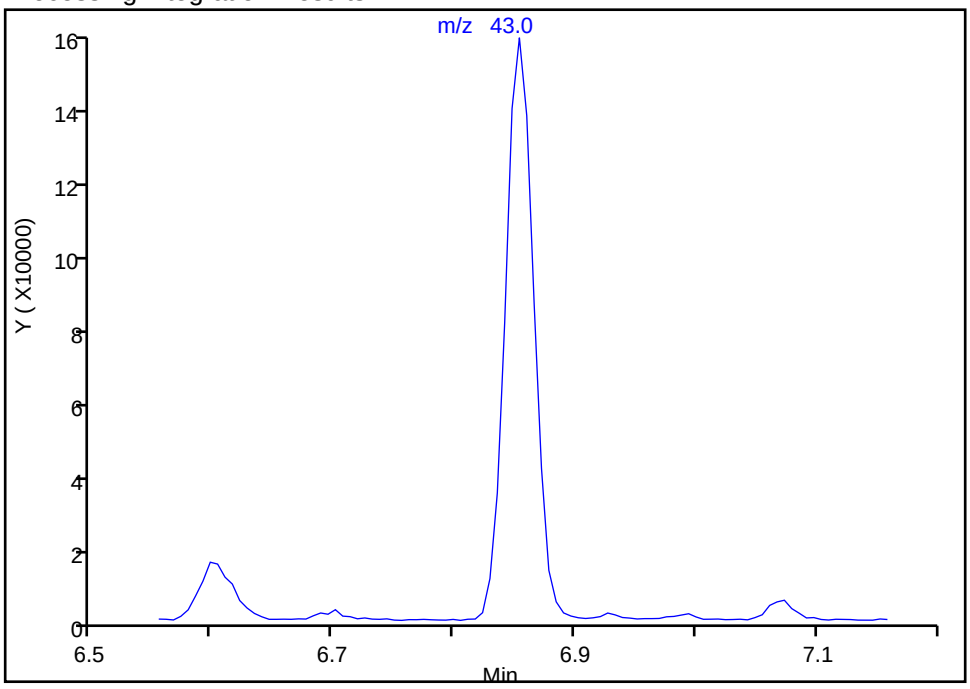
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Injection Date: 06-Jul-2020 19:50:30 Instrument ID: CVOAMS1
Lims ID: LCS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

82 4-Methyl-2-pentanone (MIBK), CAS: 108-10-1

Signal: 1

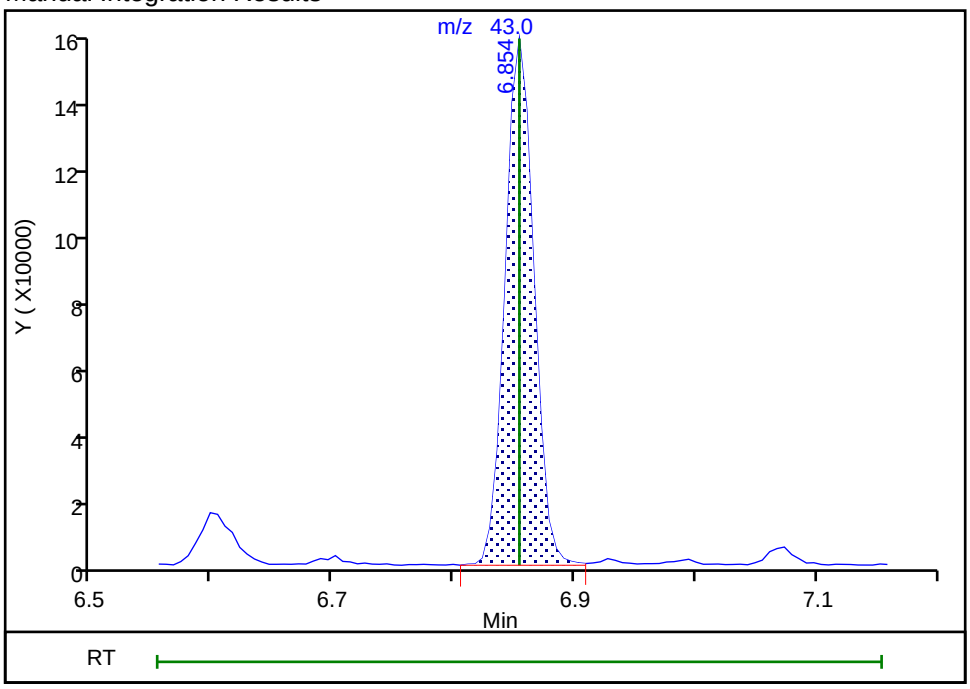
Not Detected
Expected RT: 6.85

Processing Integration Results



Manual Integration Results

RT: 6.85
Area: 253426
Amount: 111.0493
Amount Units: ug/l



Reviewer: asfawa, 07-Jul-2020 07:55:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-706392/4

Matrix: Water Lab File ID: A90815.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 09:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	18.7		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	16.8		1.0	0.37
79-00-5	1,1,2-Trichloroethane	17.3		1.0	0.43
75-34-3	1,1-Dichloroethane	17.2		1.0	0.26
75-35-4	1,1-Dichloroethene	17.2		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	27.2		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	20.9		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	17.7		1.0	0.38
106-93-4	1,2-Dibromoethane	19.3		1.0	0.50
95-50-1	1,2-Dichlorobenzene	18.6		1.0	0.43
107-06-2	1,2-Dichloroethane	17.8		1.0	0.43
78-87-5	1,2-Dichloropropane	17.0		1.0	0.35
541-73-1	1,3-Dichlorobenzene	18.1		1.0	0.34
106-46-7	1,4-Dichlorobenzene	17.8		1.0	0.33
123-91-1	1,4-Dioxane	384		50	28
78-93-3	2-Butanone	100		5.0	1.9
591-78-6	2-Hexanone	92.2		5.0	1.1
108-10-1	4-Methyl-2-pentanone	97.5		5.0	1.3
67-64-1	Acetone	73.0		5.0	4.4
71-43-2	Benzene	17.8		1.0	0.20
74-97-5	Bromochloromethane	19.5		1.0	0.41
75-27-4	Bromodichloromethane	18.3		1.0	0.34
75-25-2	Bromoform	22.9		1.0	0.54
74-83-9	Bromomethane	18.6		1.0	0.55
75-15-0	Carbon disulfide	16.4		1.0	0.82
56-23-5	Carbon tetrachloride	22.0		1.0	0.21
108-90-7	Chlorobenzene	19.2		1.0	0.38
75-00-3	Chloroethane	17.2		1.0	0.32
67-66-3	Chloroform	17.9		1.0	0.33
74-87-3	Chloromethane	14.2		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	18.0		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	19.2		1.0	0.22
110-82-7	Cyclohexane	17.5		1.0	0.32
124-48-1	Dibromochloromethane	19.5		1.0	0.28
75-71-8	Dichlorodifluoromethane	14.4		1.0	0.31
100-41-4	Ethylbenzene	17.3		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-706392/4

Matrix: Water Lab File ID: A90815.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 09:57

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	16.9		1.0	0.31
98-82-8	Isopropylbenzene	17.9		1.0	0.34
179601-23-1	m&p-Xylene	18.3		1.0	0.30
79-20-9	Methyl acetate	31.4		5.0	0.79
108-87-2	Methylcyclohexane	19.6		1.0	0.26
75-09-2	Methylene Chloride	16.7		1.0	0.32
1634-04-4	MTBE	19.0		1.0	0.47
95-47-6	o-Xylene	18.3		1.0	0.36
100-42-5	Styrene	19.2		1.0	0.42
127-18-4	Tetrachloroethene	19.1		1.0	0.25
108-88-3	Toluene	17.9		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	17.9		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	20.3		1.0	0.49
79-01-6	Trichloroethene	18.6		1.0	0.31
75-69-4	Trichlorofluoromethane	20.1		1.0	0.32
75-01-4	Vinyl chloride	16.3		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	88		75-123
460-00-4	Bromofluorobenzene	103		76-120
1868-53-7	Dibromofluoromethane (Surr)	100		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90815.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Jul-2020 09:57:30 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0112826-004
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 10:50:11 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: moroneyc Date: 07-Jul-2020 10:36:43

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.660	1.648	0.012	58	12307	20.0	7.68	a
3 1,1-Difluoroethane	51	1.660	1.660	0.000	89	38496	20.0	10.1	
4 Dichlorodifluoromethane	85	1.696	1.696	0.000	99	75336	20.0	14.4	
5 Chlorodifluoromethane	51	1.721	1.715	0.006	98	48575	20.0	10.4	
6 Chloromethane	50	1.916	1.904	0.012	98	88897	20.0	14.2	
8 Vinyl chloride	62	2.020	2.019	0.001	98	98704	20.0	16.3	
7 Butadiene	39	2.038	2.025	0.013	95	70390	20.0	14.1	
9 Bromomethane	94	2.385	2.379	0.006	97	77279	20.0	18.6	
10 Chloroethane	64	2.477	2.471	0.006	98	57924	20.0	17.2	
11 Dichlorofluoromethane	67	2.690	2.690	0.000	98	132624	20.0	17.9	
12 Trichlorofluoromethane	101	2.708	2.702	0.006	60	110583	20.0	20.1	M
13 Pentane	72	2.727	2.720	0.007	95	20474	40.0	29.6	
14 Ethyl ether	59	2.952	2.946	0.006	92	45685	20.0	15.4	
15 Ethanol	46	2.958	2.958	0.000	70	13228	800.0	584.2	
16 2-Methyl-1,3-butadiene	53	2.977	2.970	0.007	95	50561	20.0	14.8	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.025	3.013	0.012	70	46303	20.0	13.7	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.080	3.092	-0.012	94	77531	20.0	13.6	a
19 Acrolein	56	3.141	3.147	-0.006	88	10992	40.0	71.6	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.178	3.159	0.019	83	63896	20.0	16.9	
21 1,1-Dichloroethene	96	3.196	3.178	0.018	95	61585	20.0	17.2	
22 Acetone	58	3.288	3.287	0.001	88	26076	100.0	73.0	
23 Iodomethane	142	3.361	3.361	0.000	95	125426	20.0	19.2	
24 Carbon disulfide	76	3.403	3.391	0.012	98	229647	20.0	16.4	
25 Isopropyl alcohol	45	3.385	3.397	-0.012	96	38270	200.0	192.0	
26 3-Chloro-1-propene	76	3.525	3.525	0.000	92	45285	20.0	17.7	
27 Methyl acetate	43	3.544	3.543	0.001	73	77857	40.0	31.4	
28 Cyclopentene	67	3.550	3.550	0.000	91	159460	20.0	16.8	
29 Acetonitrile	41	3.605	3.604	0.001	97	62406	200.0	136.1	
30 Methylene Chloride	84	3.666	3.665	0.001	83	72923	20.0	16.7	
* 31 TBA-d9 (IS)	65	3.678	3.678	0.000	71	292163	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.745	3.745	0.000	91	55794	200.0	198.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.824	3.830	-0.006	96	155934	20.0	19.0	
34 trans-1,2-Dichloroethene	96	3.855	3.848	0.007	91	67189	20.0	17.9	
35 Acrylonitrile	53	3.928	3.928	0.000	95	235863	200.0	171.1	
36 Hexane	43	3.995	3.995	0.000	90	47999	20.0	16.5	
37 Isopropyl ether	45	4.202	4.202	0.000	97	170598	20.0	15.6	
38 1,1-Dichloroethane	63	4.239	4.232	0.007	98	106321	20.0	17.2	
39 Vinyl acetate	86	4.245	4.238	0.007	99	17797	40.0	36.6	
40 2-Chloro-1,3-butadiene	88	4.275	4.275	0.000	87	57875	20.0	19.1	
41 Tert-butyl ethyl ether	59	4.495	4.488	0.007	90	163416	20.0	18.8	
* 42 2-Butanone-d5	46	4.665	4.665	0.000	91	278884	250.0	250.0	
43 2,2-Dichloropropane	97	4.690	4.690	0.000	72	16341	20.0	19.0	
44 cis-1,2-Dichloroethene	96	4.702	4.696	0.006	97	70593	20.0	18.0	
46 2-Butanone (MEK)	72	4.714	4.708	0.006	98	34254	100.0	100.3	
45 Ethyl acetate	70	4.708	4.714	-0.006	93	11987	40.0	44.4	
47 Methyl acrylate	55	4.757	4.757	0.000	99	48700	20.0	19.7	
48 Propionitrile	54	4.830	4.830	0.000	99	86459	200.0	174.3	
50 Tetrahydrofuran	72	4.897	4.897	0.000	65	16484	40.0	43.1	
49 Chlorobromomethane	128	4.897	4.897	0.000	80	36266	20.0	19.5	
51 Methacrylonitrile	67	4.915	4.909	0.006	88	263290	200.0	193.3	
52 Chloroform	83	4.934	4.933	0.001	99	99579	20.0	17.9	
53 Cyclohexane	56	5.049	5.049	0.000	87	111011	20.0	17.5	
55 1,1,1-Trichloroethane	97	5.062	5.055	0.007	69	75496	20.0	18.7	
$ 54 Dibromofluoromethane (Surr)	113	5.062	5.061	0.001	98	141255	50.0	49.9	
56 Carbon tetrachloride	117	5.153	5.159	-0.006	99	50041	20.0	22.0	
57 1,1-Dichloropropene	75	5.177	5.177	0.000	98	79619	20.0	18.1	
58 Isobutyl alcohol	43	5.257	5.257	0.000	95	29268	500.0	453.3	
59 Isooctane	57	5.306	5.305	0.001	96	207351	20.0	18.4	
60 Benzene	78	5.336	5.336	0.000	94	240766	20.0	17.8	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.342	0.006	97	142725	50.0	44.1	
62 Isopropyl acetate	43	5.360	5.360	0.000	98	134485	20.0	16.9	
63 Tert-amyl methyl ether	87	5.379	5.372	0.007	93	52979	20.0	20.2	
64 1,2-Dichloroethane	62	5.409	5.403	0.006	97	69013	20.0	17.8	
65 n-Heptane	71	5.440	5.433	0.007	89	63781	20.0	15.4	
* 66 Fluorobenzene	96	5.562	5.561	0.001	99	608246	50.0	50.0	
67 n-Butanol	56	5.769	5.769	0.000	85	19596	500.0	496.0	
68 Trichloroethene	95	5.842	5.848	-0.006	96	61731	20.0	18.6	
70 Ethyl acrylate	55	5.921	5.921	0.000	96	57231	20.0	16.6	a
69 Methylcyclohexane	83	5.958	5.958	0.000	94	120567	20.0	19.6	
71 1,2-Dichloropropane	63	6.098	6.092	0.006	95	57148	20.0	17.0	
73 Methyl methacrylate	100	6.135	6.128	0.007	83	29079	40.0	41.8	
* 72 1,4-Dioxane-d8	96	6.135	6.128	0.007	91	35673	1000.0	1000.0	
74 n-Propyl acetate	43	6.171	6.165	0.006	96	55106	20.0	15.8	
76 1,4-Dioxane	88	6.189	6.177	0.012	80	14660	400.0	383.5	a
75 Dibromomethane	93	6.208	6.214	-0.006	96	36622	20.0	18.6	
77 Dichlorobromomethane	83	6.336	6.336	0.000	98	57817	20.0	18.3	
78 2-Chloroethyl vinyl ether	63	6.598	6.598	0.000	96	32889	20.0	17.0	
79 2-Nitropropane	41	6.616	6.622	-0.006	39	10376	40.0	41.5	a
80 Epichlorohydrin	57	6.702	6.701	0.001	98	98043	400.0	435.0	
81 cis-1,3-Dichloropropene	75	6.744	6.744	0.000	89	77293	20.0	19.2	
82 4-Methyl-2-pentanone (MIBK)	43	6.860	6.854	0.006	94	242356	100.0	97.5	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	100	533566	50.0	48.4	
84 Toluene	91	6.988	6.988	0.000	94	239107	20.0	17.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.208	7.207	0.001	95	59668	20.0	20.3	
86 Ethyl methacrylate	69	7.208	7.207	0.001	80	60040	20.0	16.6	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	97	39414	20.0	17.3	
88 Tetrachloroethene	166	7.390	7.390	0.000	96	59914	20.0	19.1	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	92	79520	20.0	16.9	
90 2-Hexanone	43	7.500	7.500	0.000	91	146984	100.0	92.2	
91 n-Butyl acetate	73	7.549	7.549	0.000	98	12682	20.0	17.9	
92 Chlorodibromomethane	129	7.622	7.622	0.000	97	36432	20.0	19.5	
93 Ethylene Dibromide	107	7.726	7.720	0.006	100	45524	20.0	19.3	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	83	436526	50.0	50.0	
95 Chlorobenzene	112	8.024	8.024	0.000	96	158772	20.0	19.2	
96 Ethylbenzene	106	8.061	8.061	0.000	98	84003	20.0	17.3	
97 1,1,1,2-Tetrachloroethane	131	8.079	8.073	0.006	92	43972	20.0	23.0	
98 m-Xylene & p-Xylene	106	8.140	8.140	0.000	97	107220	20.0	18.3	
99 n-Butyl acrylate	73	8.348	8.341	0.007	98	31651	20.0	16.9	
100 o-Xylene	106	8.396	8.396	0.000	94	109346	20.0	18.3	
101 Styrene	104	8.409	8.408	0.001	97	175935	20.0	19.2	
102 Amyl acetate (mixed isomers)	43	8.476	8.475	0.001	92	70299	20.0	13.2	
103 Bromoform	173	8.555	8.555	0.000	95	21467	20.0	22.9	
104 Isopropylbenzene	105	8.604	8.603	0.001	95	282291	20.0	17.9	
$ 105 4-Bromofluorobenzene	174	8.732	8.731	0.001	93	165015	50.0	51.7	
106 1,1,2,2-Tetrachloroethane	83	8.823	8.817	0.006	99	65551	20.0	16.8	
107 Bromobenzene	156	8.829	8.829	0.000	97	69314	20.0	18.2	
108 N-Propylbenzene	91	8.847	8.841	0.006	99	339945	20.0	17.4	
109 trans-1,4-Dichloro-2-butene	53	8.860	8.860	0.000	71	13447	20.0	14.4	
110 1,2,3-Trichloropropane	110	8.860	8.860	0.000	92	19378	20.0	16.9	
111 4-Ethyltoluene	105	8.908	8.908	0.000	98	305453	20.0	18.5	
112 2-Chlorotoluene	91	8.927	8.920	0.007	96	249166	20.0	17.6	
113 1,3,5-Trimethylbenzene	105	8.945	8.945	0.000	93	249179	20.0	17.6	
114 Butyl Methacrylate	87	8.969	8.969	0.000	87	68520	20.0	14.6	
115 4-Chlorotoluene	91	8.988	8.988	0.000	96	192200	20.0	17.6	
116 tert-Butylbenzene	119	9.128	9.128	0.000	96	200820	20.0	18.5	
117 1,2,4-Trimethylbenzene	105	9.165	9.158	0.006	96	251086	20.0	17.4	
118 sec-Butylbenzene	105	9.250	9.250	0.000	99	327911	20.0	18.1	
119 4-Isopropyltoluene	119	9.329	9.329	0.000	98	279126	20.0	18.1	
120 1,3-Dichlorobenzene	146	9.360	9.359	0.001	97	137354	20.0	18.1	
* 121 1,4-Dichlorobenzene-d4	152	9.402	9.402	0.000	94	249915	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.414	9.414	0.000	93	136737	20.0	17.8	
123 1,2,3-Trimethylbenzene	105	9.414	9.414	0.000	97	265364	20.0	17.1	
124 Benzyl chloride	91	9.500	9.500	0.000	100	66162	20.0	21.9	
125 2,3-Dihydroindene	117	9.549	9.548	0.001	92	283516	20.0	17.3	
126 p-Diethylbenzene	119	9.555	9.555	0.001	94	167565	20.0	18.2	
127 n-Butylbenzene	92	9.573	9.573	0.000	98	151176	20.0	17.4	
128 1,2-Dichlorobenzene	146	9.652	9.652	0.000	98	146643	20.0	18.6	
129 1,2,4,5-Tetramethylbenzene	119	10.073	10.073	0.000	98	267552	20.0	19.0	
130 1,2-Dibromo-3-Chloropropane	75	10.183	10.189	-0.006	93	8298	20.0	17.7	
131 1,3,5-Trichlorobenzene	180	10.286	10.286	0.000	96	123817	20.0	19.9	
132 1,2,4-Trichlorobenzene	180	10.804	10.798	0.006	93	101492	20.0	20.9	
133 Hexachlorobutadiene	225	10.871	10.877	-0.006	96	43017	20.0	18.6	
134 Naphthalene	128	11.048	11.048	0.000	99	219707	20.0	24.9	
135 1,2,3-Trichlorobenzene	180	11.274	11.274	0.000	96	85663	20.0	27.2	
S 136 1,2-Dichloroethene, Total	100				0		40.0	35.9	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	36.6	
S 138 Total BTEX	1				0		100.0	89.7	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

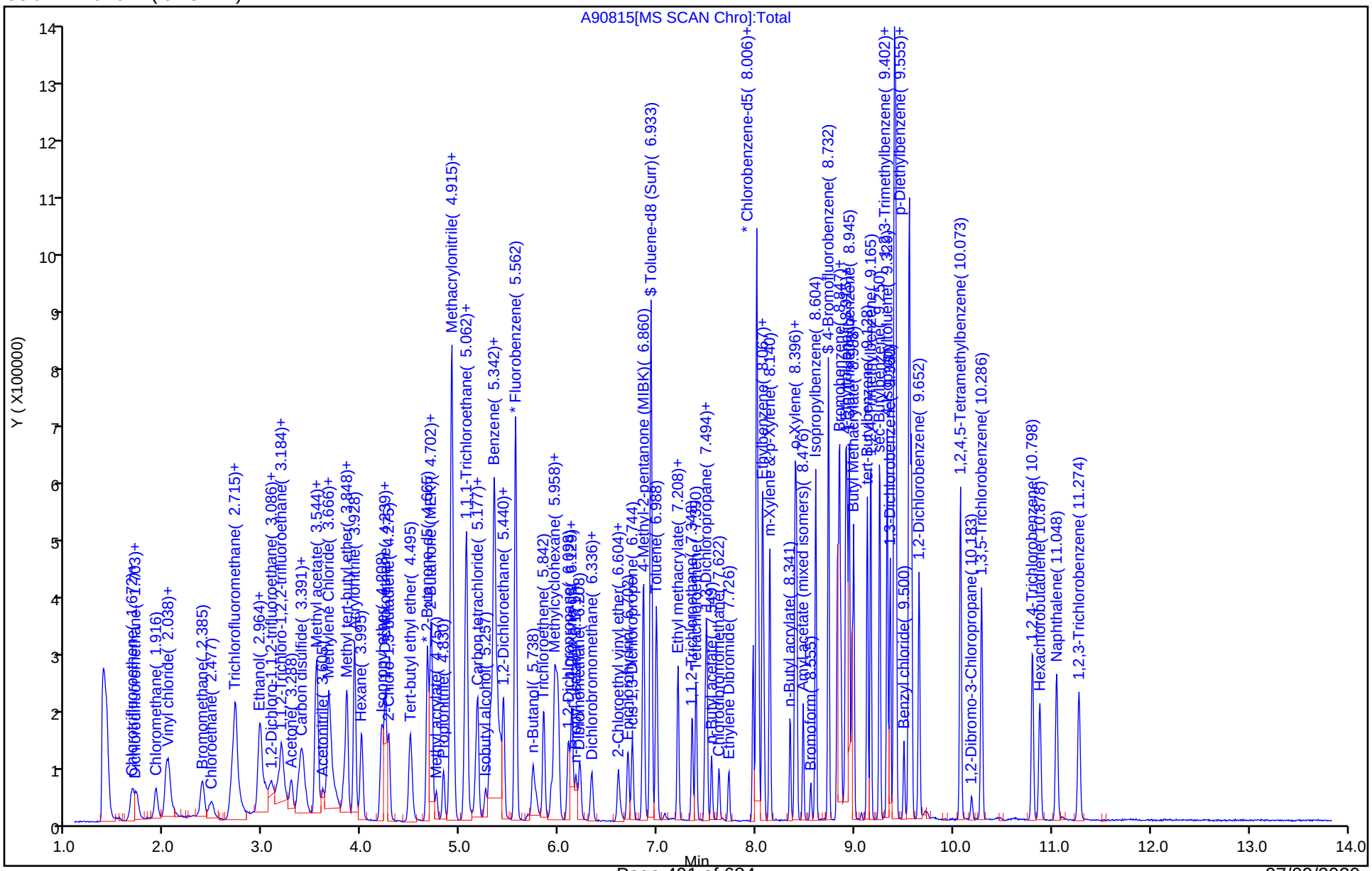
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90815.D

Injection Date:	07-Jul-2020 09:57:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	LCS			Worklist Smp#:	4
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

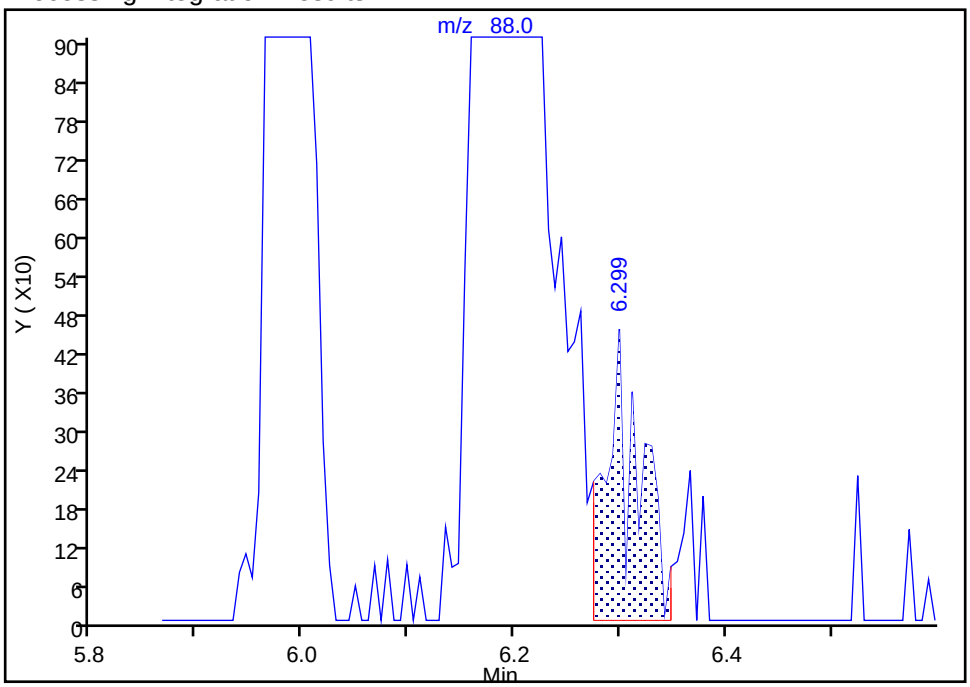
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Injection Date:	07-Jul-2020 09:57:30	Instrument ID:	CVOAMS1		
Lims ID:	LCS				
Client ID:					
Operator ID:	VOA GC/MS1	ALS Bottle#:	3	Worklist Smp#:	4
Purge Vol:	5.000 mL	Dil. Factor:	1.0000		
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		
Column:	Rtx-624 (0.25 mm)	Detector	MS SCAN		

76 1,4-Dioxane, CAS: 123-91-1

Signal: 1

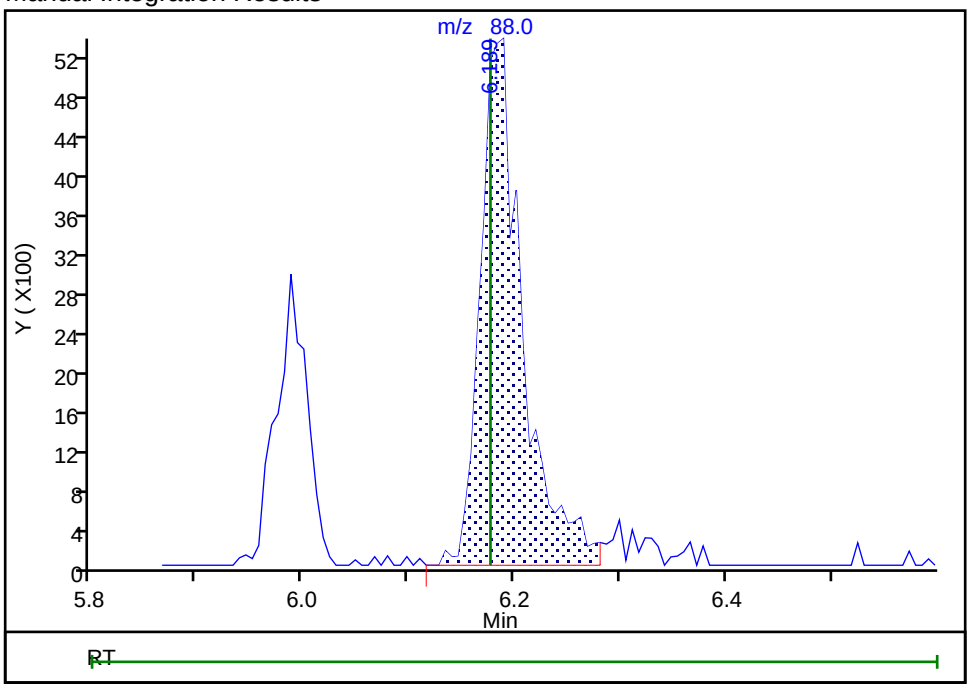
Processing Integration Results

RT: 6.30
Area: 999
Amount: 26.136706
Amount Units: ug/l



Manual Integration Results

RT: 6.19
Area: 14660
Amount: 383.5477
Amount Units: ug/l



Reviewer: moroneyc, 07-Jul-2020 10:36:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

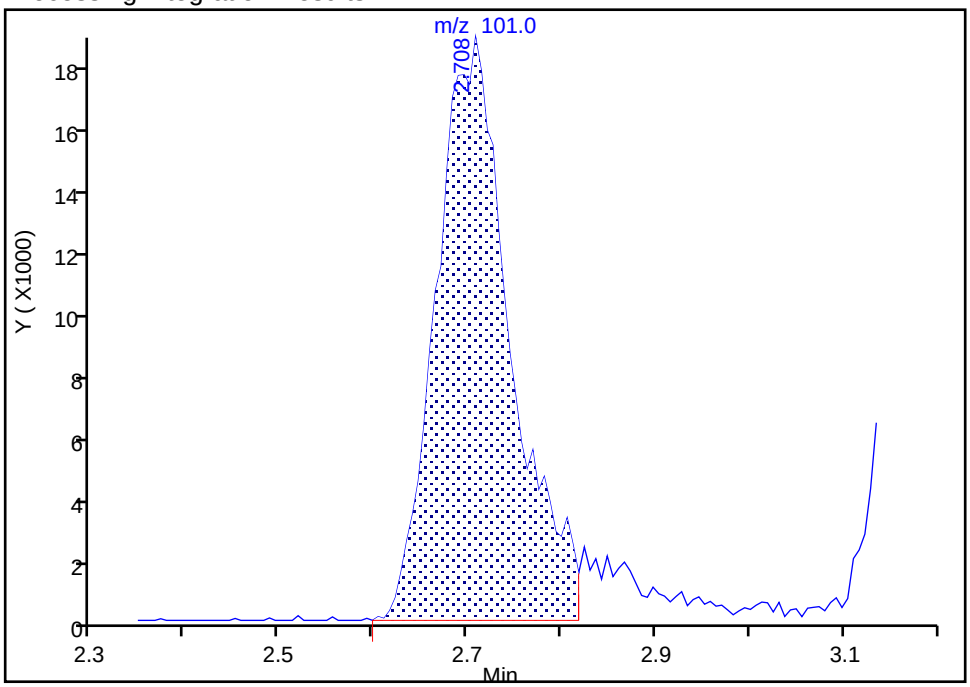
Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90815.D
Injection Date: 07-Jul-2020 09:57:30 Instrument ID: CVOAMS1
Lims ID: LCS
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 3 Worklist Smp#: 4
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

12 Trichlorofluoromethane, CAS: 75-69-4

Signal: 1

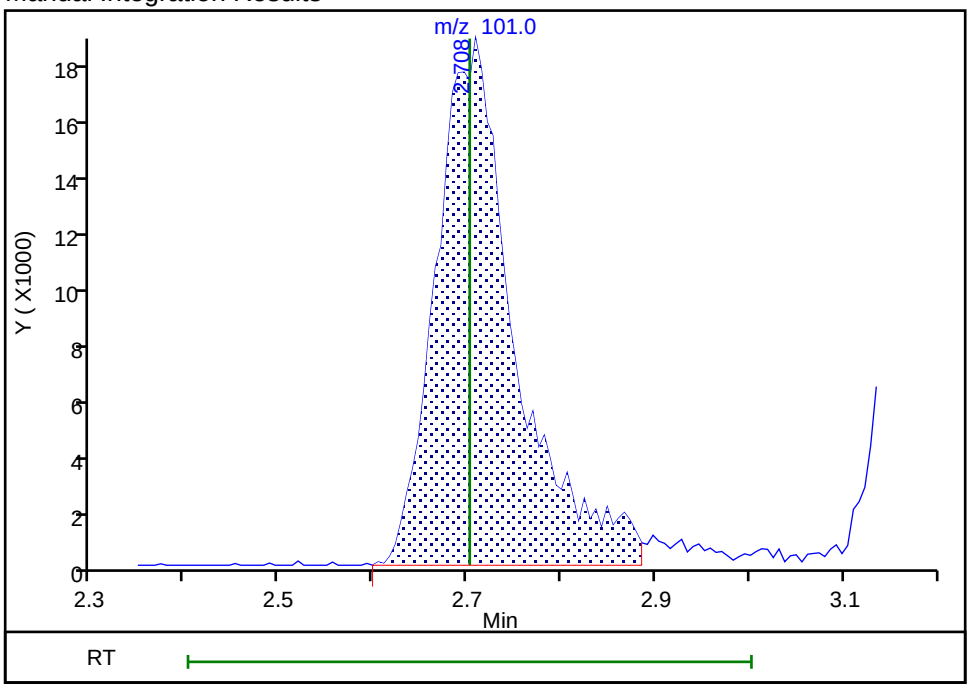
Processing Integration Results

RT: 2.71
Area: 103966
Amount: 18.853186
Amount Units: ug/l



Manual Integration Results

RT: 2.71
Area: 110583
Amount: 20.053112
Amount Units: ug/l



Reviewer: asfawa, 08-Jul-2020 07:55:27
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-706558/5

Matrix: Water Lab File ID: F98172.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 20:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.7		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	19.0		1.0	0.37
79-00-5	1,1,2-Trichloroethane	19.7		1.0	0.43
75-34-3	1,1-Dichloroethane	19.4		1.0	0.26
75-35-4	1,1-Dichloroethene	21.4		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	23.7		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	23.4		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		1.0	0.38
106-93-4	1,2-Dibromoethane	21.4		1.0	0.50
95-50-1	1,2-Dichlorobenzene	22.8		1.0	0.43
107-06-2	1,2-Dichloroethane	19.7		1.0	0.43
78-87-5	1,2-Dichloropropane	19.2		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.5		1.0	0.34
106-46-7	1,4-Dichlorobenzene	22.2		1.0	0.33
123-91-1	1,4-Dioxane	464		50	28
78-93-3	2-Butanone	117		5.0	1.9
591-78-6	2-Hexanone	108		5.0	1.1
108-10-1	4-Methyl-2-pentanone	113		5.0	1.3
67-64-1	Acetone	78.2		5.0	4.4
71-43-2	Benzene	20.5		1.0	0.20
74-97-5	Bromochloromethane	22.5		1.0	0.41
75-27-4	Bromodichloromethane	20.3		1.0	0.34
75-25-2	Bromoform	22.6		1.0	0.54
74-83-9	Bromomethane	16.7		1.0	0.55
75-15-0	Carbon disulfide	20.5		1.0	0.82
56-23-5	Carbon tetrachloride	20.4		1.0	0.21
108-90-7	Chlorobenzene	21.2		1.0	0.38
75-00-3	Chloroethane	14.4		1.0	0.32
67-66-3	Chloroform	20.5		1.0	0.33
74-87-3	Chloromethane	11.4		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	21.2		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.7		1.0	0.22
110-82-7	Cyclohexane	21.4		1.0	0.32
124-48-1	Dibromochloromethane	21.3		1.0	0.28
75-71-8	Dichlorodifluoromethane	8.74		1.0	0.31
100-41-4	Ethylbenzene	21.7		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-706558/5

Matrix: Water Lab File ID: F98172.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 20:54

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	22.4		1.0	0.31
98-82-8	Isopropylbenzene	22.0		1.0	0.34
179601-23-1	m&p-Xylene	22.4		1.0	0.30
79-20-9	Methyl acetate	33.4		5.0	0.79
108-87-2	Methylcyclohexane	21.8		1.0	0.26
75-09-2	Methylene Chloride	20.6		1.0	0.32
1634-04-4	MTBE	20.7		1.0	0.47
95-47-6	o-Xylene	22.3		1.0	0.36
100-42-5	Styrene	22.1		1.0	0.42
127-18-4	Tetrachloroethene	22.5		1.0	0.25
108-88-3	Toluene	20.3		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	21.3		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.9		1.0	0.49
79-01-6	Trichloroethene	20.7		1.0	0.31
75-69-4	Trichlorofluoromethane	18.1		1.0	0.32
75-01-4	Vinyl chloride	13.6		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
460-00-4	Bromofluorobenzene	109		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124
2037-26-5	Toluene-d8 (Surr)	97		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98172.D
Lims ID: LCS
Client ID:
Sample Type: LCS
Inject. Date: 07-Jul-2020 20:54:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCS
Misc. Info.: 460-0112863-005
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 10:29:32 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: yallabg Date: 07-Jul-2020 21:39:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.599	1.599	0.000	98	26449	20.0	8.74	
6 Chloromethane	50	1.763	1.771	-0.008	99	35177	20.0	11.4	
7 Butadiene	54	1.845	1.845	0.000	92	34880	20.0	12.8	
8 Vinyl chloride	62	1.853	1.862	-0.009	98	41667	20.0	13.6	
9 Bromomethane	94	2.125	2.133	-0.008	99	31904	20.0	16.7	
10 Chloroethane	64	2.174	2.182	-0.008	99	24183	20.0	14.4	
11 Dichlorofluoromethane	67	2.355	2.363	-0.008	99	67928	20.0	16.3	
12 Trichlorofluoromethane	101	2.371	2.379	-0.008	97	57255	20.0	18.1	
13 Pentane	72	2.379	2.388	-0.009	95	13244	40.0	34.4	
14 Ethanol	46	2.593	2.552	0.041	60	8084	800.0	1020.3	
15 Ethyl ether	59	2.544	2.560	-0.016	94	34830	20.0	19.6	
16 2-Methyl-1,3-butadiene	53	2.568	2.585	-0.017	93	36502	20.0	17.8	
19 Acrolein	56	2.716	2.733	-0.017	32	6508	40.0	46.7	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.741	2.741	0.000	98	48670	20.0	22.4	
21 1,1-Dichloroethene	96	2.774	2.774	0.000	95	47666	20.0	21.4	
22 Acetone	43	2.839	2.848	-0.009	90	60990	100.0	78.2	
23 Iodomethane	142	2.913	2.922	-0.009	95	86556	20.0	23.7	
24 Isopropyl alcohol	45	2.922	2.930	-0.008	28	15715	200.0	209.9	
25 Carbon disulfide	76	2.963	2.971	-0.008	98	182661	20.0	20.5	
26 3-Chloro-1-propene	41	3.053	3.061	-0.008	94	61631	20.0	15.0	
27 Methyl acetate	43	3.061	3.070	-0.009	96	62982	40.0	33.4	
28 Cyclopentene	67	3.078	3.086	-0.008	94	115492	20.0	19.1	
29 Acetonitrile	41	3.119	3.127	-0.008	20	59367	200.0	260.2	a
* 31 TBA-d9 (IS)	65	3.176	3.176	0.000	0	180976	1000.0	1000.0	
30 Methylene Chloride	84	3.193	3.193	0.000	85	55764	20.0	20.6	
32 2-Methyl-2-propanol	59	3.242	3.242	0.000	33	44048	200.0	216.6	a
33 Methyl tert-butyl ether	73	3.333	3.341	-0.009	96	115024	20.0	20.7	
34 trans-1,2-Dichloroethene	96	3.357	3.365	-0.008	91	48105	20.0	21.3	
35 Acrylonitrile	53	3.431	3.439	-0.008	95	186766	200.0	180.7	
36 Hexane	43	3.505	3.513	-0.008	87	32372	20.0	17.2	
37 Isopropyl ether	45	3.719	3.719	0.000	91	115585	20.0	17.8	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	3.743	3.752	-0.009	99	73403	20.0	19.4	
39 Vinyl acetate	86	3.752	3.768	-0.016	99	20980	40.0	42.3	
40 2-Chloro-1,3-butadiene	88	3.793	3.793	0.000	87	43403	20.0	21.6	
41 Tert-butyl ethyl ether	59	4.023	4.031	-0.008	91	118966	20.0	19.9	
* 42 2-Butanone-d5	46	4.212	4.220	-0.008	0	204564	250.0	250.0	
43 2,2-Dichloropropane	97	4.245	4.236	0.009	78	15490	20.0	22.2	
44 cis-1,2-Dichloroethene	96	4.253	4.253	0.000	99	51981	20.0	21.2	
46 2-Butanone (MEK)	72	4.269	4.277	-0.008	97	31627	100.0	117.4	
45 Ethyl acetate	70	4.269	4.277	-0.008	94	11176	40.0	49.9	
47 Methyl acrylate	55	4.327	4.327	0.000	98	40490	20.0	17.6	
48 Propionitrile	54	4.401	4.401	0.000	99	67580	200.0	215.8	
50 Chlorobromomethane	128	4.475	4.475	0.000	82	26517	20.0	22.5	
49 Tetrahydrofuran	72	4.475	4.475	0.000	66	14930	40.0	50.8	
51 Methacrylonitrile	67	4.499	4.499	0.000	85	220695	200.0	191.1	
52 Chloroform	83	4.524	4.524	0.000	98	72676	20.0	20.5	
53 Cyclohexane	84	4.655	4.664	-0.009	85	83671	20.0	21.4	
54 1,1,1-Trichloroethane	97	4.672	4.680	-0.008	97	64611	20.0	20.7	
$ 55 Dibromofluoromethane (Surr)	113	4.680	4.680	0.000	97	94504	50.0	49.4	
56 Carbon tetrachloride	117	4.787	4.795	-0.008	97	51366	20.0	20.4	
57 1,1-Dichloropropene	75	4.812	4.820	-0.008	97	61078	20.0	20.0	
58 Isobutyl alcohol	43	4.935	4.935	0.000	94	24053	500.0	376.9	
59 Benzene	78	5.009	5.017	-0.008	95	197457	20.0	20.5	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	105964	50.0	44.8	
61 Isopropyl acetate	43	5.066	5.066	0.000	89	111628	20.0	17.9	
62 Tert-amyl methyl ether	73	5.074	5.074	0.000	87	133886	20.0	21.0	
63 1,2-Dichloroethane	62	5.099	5.099	0.000	97	55819	20.0	19.7	
64 n-Heptane	57	5.165	5.165	0.000	84	35898	20.0	19.8	
* 65 Fluorobenzene	96	5.296	5.296	0.000	100	431251	50.0	50.0	
66 n-Butanol	56	5.584	5.584	0.000	82	26585	500.0	504.6	
67 Trichloroethene	95	5.641	5.641	0.000	95	46613	20.0	20.7	
68 Ethyl acrylate	55	5.765	5.765	0.000	97	113054	20.0	19.2	
69 Methylcyclohexane	83	5.773	5.773	0.000	87	93977	20.0	21.8	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	93	44611	20.0	19.2	
* 71 1,4-Dioxane-d8	96	5.978	5.978	0.000	0	19200	1000.0	1000.0	
72 Methyl methacrylate	100	6.003	6.003	0.000	80	28901	40.0	41.0	
73 1,4-Dioxane	88	6.052	6.044	0.008	84	9812	400.0	463.9	a
75 Dibromomethane	93	6.052	6.052	0.000	97	30358	20.0	21.4	
74 n-Propyl acetate	43	6.061	6.061	0.001	94	48341	20.0	14.8	
76 Dichlorobromomethane	83	6.200	6.200	0.000	98	56310	20.0	20.3	
77 2-Nitropropane	41	6.537	6.537	0.000	81	18398	40.0	33.7	
78 2-Chloroethyl vinyl ether	63	6.537	6.545	-0.008	80	23198	20.0	17.3	
79 Epichlorohydrin	57	6.644	6.644	0.000	97	90599	400.0	458.8	
80 cis-1,3-Dichloropropene	75	6.701	6.701	0.000	87	70911	20.0	18.7	
81 4-Methyl-2-pentanone (MIBK)	43	6.866	6.874	-0.008	91	207873	100.0	112.9	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	100	414461	50.0	48.5	
83 Toluene	91	7.022	7.022	0.000	92	207168	20.0	20.3	
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	91	60739	20.0	18.9	
85 Ethyl methacrylate	69	7.400	7.400	0.000	84	63461	20.0	19.6	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	94	34575	20.0	19.7	
87 Tetrachloroethene	166	7.630	7.630	0.000	93	44737	20.0	22.5	
88 1,3-Dichloropropane	76	7.786	7.794	-0.008	89	69233	20.0	18.9	
89 2-Hexanone	43	7.860	7.860	0.000	89	128147	100.0	107.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 n-Butyl acetate	43	7.975	7.975	0.000	95	60072	20.0	16.8	
91 Chlorodibromomethane	129	8.016	8.016	0.000	97	41802	20.0	21.3	
92 Ethylene Dibromide	107	8.172	8.172	0.000	99	42449	20.0	21.4	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	84	309684	50.0	50.0	
94 Chlorobenzene	112	8.756	8.756	0.000	96	131606	20.0	21.2	
95 Ethylbenzene	106	8.862	8.871	-0.009	97	77680	20.0	21.7	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	95	46010	20.0	22.6	
97 m-Xylene & p-Xylene	106	9.027	9.027	0.000	0	96198	20.0	22.4	
98 n-Butyl acrylate	73	9.471	9.471	0.000	99	40921	20.0	20.6	
99 o-Xylene	106	9.487	9.487	0.000	95	98230	20.0	22.3	
100 Styrene	104	9.512	9.512	0.000	98	156477	20.0	22.1	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	92	76517	20.0	16.4	
102 Bromoform	173	9.717	9.717	0.000	96	28266	20.0	22.6	
103 Isopropylbenzene	105	9.840	9.840	0.000	95	246845	20.0	22.0	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	90	122506	50.0	54.3	
105 Bromobenzene	156	10.136	10.136	0.000	98	58140	20.0	22.1	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	99	62495	20.0	19.0	
107 N-Propylbenzene	91	10.202	10.202	0.000	100	297649	20.0	19.5	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	97	19278	20.0	20.0	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	81	14253	20.0	17.4	
110 2-Chlorotoluene	91	10.292	10.292	0.000	96	202935	20.0	19.9	
111 4-Ethyltoluene	105	10.300	10.300	0.000	98	253722	20.0	20.9	
112 1,3,5-Trimethylbenzene	105	10.350	10.358	-0.008	94	207756	20.0	19.9	
113 4-Chlorotoluene	91	10.383	10.383	0.000	96	187757	20.0	20.9	
114 Butyl Methacrylate	87	10.440	10.440	0.000	84	75404	20.0	19.8	
115 tert-Butylbenzene	119	10.588	10.588	0.000	95	171881	20.0	20.9	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	96	223033	20.0	20.6	
117 sec-Butylbenzene	105	10.752	10.752	0.000	99	273634	20.0	20.4	
119 1,3-Dichlorobenzene	146	10.851	10.851	0.000	96	118941	20.0	22.5	
118 4-Isopropyltoluene	119	10.859	10.859	0.000	98	233785	20.0	21.0	
* 120 1,4-Dichlorobenzene-d4	152	10.909	10.908	0.000	94	174951	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	96	120256	20.0	22.2	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	97	234864	20.0	20.8	
123 Benzyl chloride	91	11.024	11.024	0.000	99	122330	20.0	20.6	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	94	235005	20.0	21.2	
125 p-Diethylbenzene	119	11.114	11.106	0.008	94	135254	20.0	22.1	
126 n-Butylbenzene	92	11.130	11.122	0.008	98	130578	20.0	20.8	
127 1,2-Dichlorobenzene	146	11.171	11.171	0.000	97	125802	20.0	22.8	
128 1,2,4,5-Tetramethylbenzene	119	11.599	11.590	0.009	98	240508	20.0	21.5	
129 1,2-Dibromo-3-Chloropropane	157	11.664	11.656	0.008	92	15846	20.0	21.1	
130 1,3,5-Trichlorobenzene	180	11.747	11.747	0.000	97	99485	20.0	23.4	
131 1,2,4-Trichlorobenzene	180	12.141	12.133	0.008	93	94822	20.0	23.4	
132 Hexachlorobutadiene	225	12.215	12.207	0.008	95	34829	20.0	23.6	
133 Naphthalene	128	12.314	12.305	0.009	99	273558	20.0	22.3	
134 1,2,3-Trichlorobenzene	180	12.470	12.461	0.009	95	90065	20.0	23.7	
S 135 1,2-Dichloroethene, Total	100				0		40.0	42.5	
S 136 Xylenes, Total	100				0		40.0	44.8	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
GASES Li_00376	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 08-Jul-2020 10:29:33 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98172.D

Injection Date: 07-Jul-2020 20:54:30 Instrument ID: CVOAMS6 Operator ID:

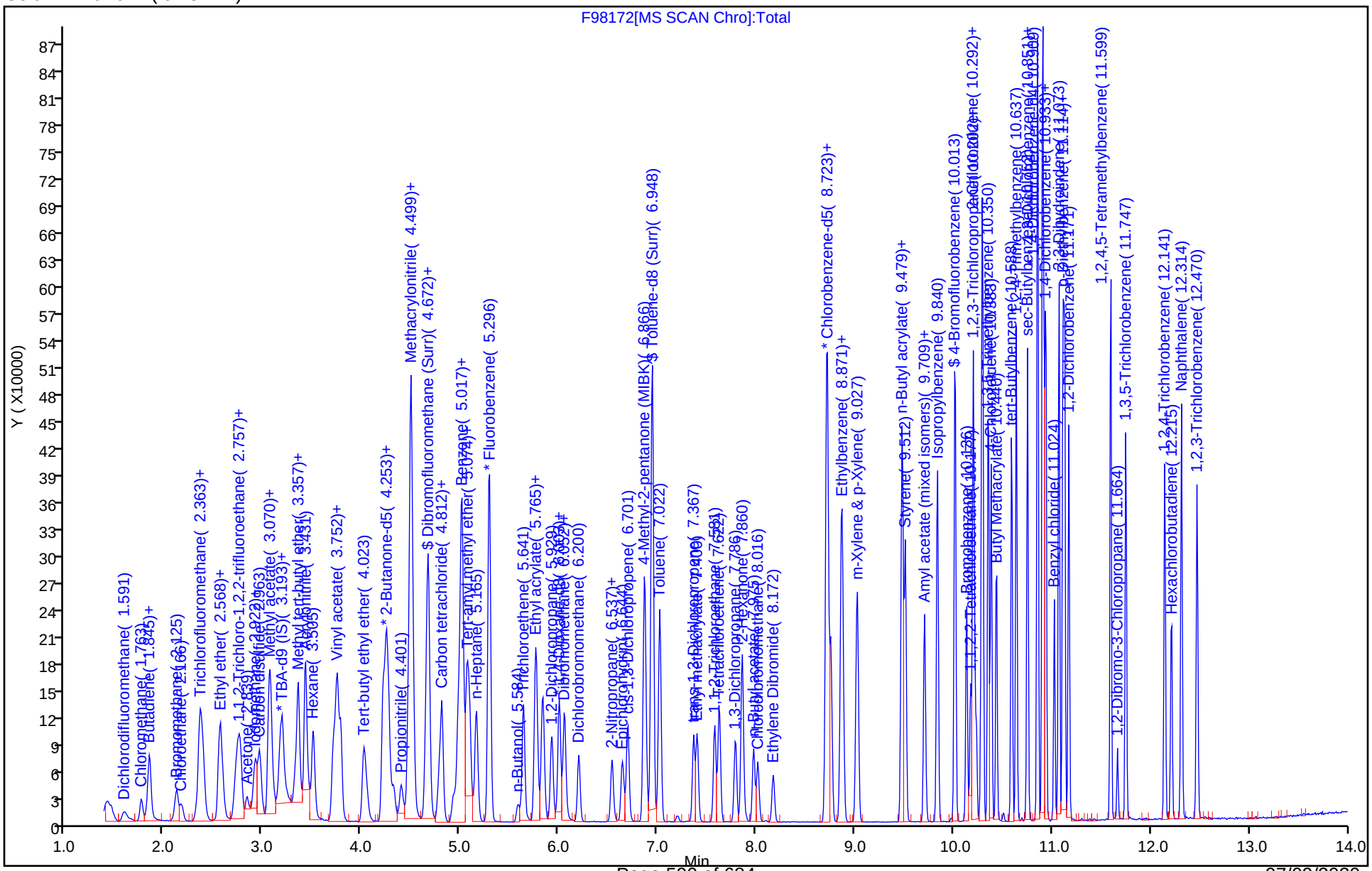
Lims ID: LCS Worklist Smp#: 5

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

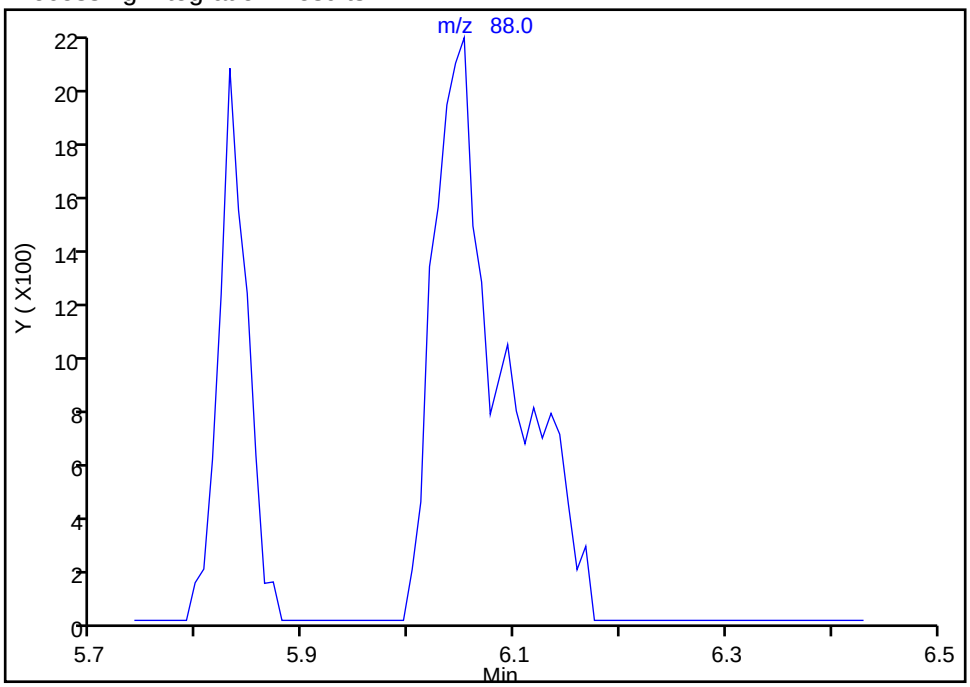
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Injection Date: 07-Jul-2020 20:54:30 Instrument ID: CVOAMS6
Lims ID: LCS
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

73 1,4-Dioxane, CAS: 123-91-1

Signal: 1

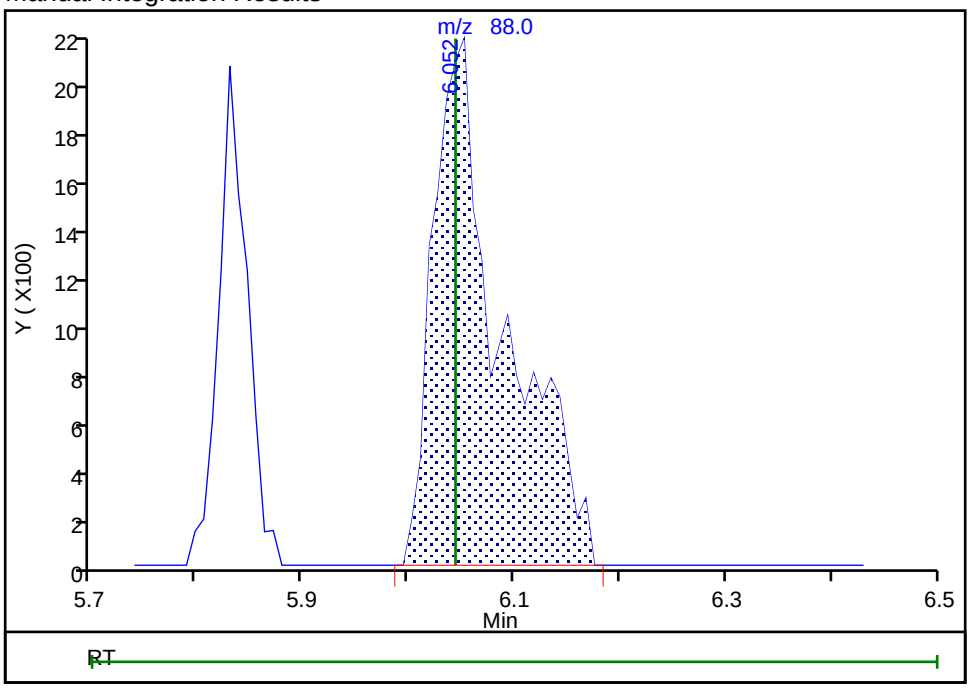
Not Detected
Expected RT: 6.04

Processing Integration Results



Manual Integration Results

RT: 6.05
Area: 9812
Amount: 463.9288
Amount Units: ug/l



Reviewer: yallabg, 07-Jul-2020 21:39:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-706284/6

Matrix: Water Lab File ID: A90787.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/06/2020 20:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	21.6		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	20.5		1.0	0.37
79-00-5	1,1,2-Trichloroethane	20.5		1.0	0.43
75-34-3	1,1-Dichloroethane	19.0		1.0	0.26
75-35-4	1,1-Dichloroethene	19.4		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	33.7		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	24.8		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		1.0	0.38
106-93-4	1,2-Dibromoethane	22.9		1.0	0.50
95-50-1	1,2-Dichlorobenzene	21.4		1.0	0.43
107-06-2	1,2-Dichloroethane	19.3		1.0	0.43
78-87-5	1,2-Dichloropropane	19.2		1.0	0.35
541-73-1	1,3-Dichlorobenzene	21.3		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.1		1.0	0.33
123-91-1	1,4-Dioxane	444		50	28
78-93-3	2-Butanone	109		5.0	1.9
591-78-6	2-Hexanone	103		5.0	1.1
108-10-1	4-Methyl-2-pentanone	110		5.0	1.3
67-64-1	Acetone	88.1		5.0	4.4
71-43-2	Benzene	20.5		1.0	0.20
74-97-5	Bromochloromethane	21.2		1.0	0.41
75-27-4	Bromodichloromethane	20.5		1.0	0.34
75-25-2	Bromoform	26.7		1.0	0.54
74-83-9	Bromomethane	17.6		1.0	0.55
75-15-0	Carbon disulfide	19.8		1.0	0.82
56-23-5	Carbon tetrachloride	24.9		1.0	0.21
108-90-7	Chlorobenzene	21.4		1.0	0.38
75-00-3	Chloroethane	16.6		1.0	0.32
67-66-3	Chloroform	19.7		1.0	0.33
74-87-3	Chloromethane	13.9		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	19.9		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	22.6		1.0	0.22
110-82-7	Cyclohexane	20.1		1.0	0.32
124-48-1	Dibromochloromethane	24.1		1.0	0.28
75-71-8	Dichlorodifluoromethane	11.0		1.0	0.31
100-41-4	Ethylbenzene	20.2		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-706284/6

Matrix: Water Lab File ID: A90787.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/06/2020 20:37

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706284 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	21.3		1.0	0.31
98-82-8	Isopropylbenzene	20.6		1.0	0.34
179601-23-1	m&p-Xylene	20.5		1.0	0.30
79-20-9	Methyl acetate	34.7		5.0	0.79
108-87-2	Methylcyclohexane	22.0		1.0	0.26
75-09-2	Methylene Chloride	19.1		1.0	0.32
1634-04-4	MTBE	21.2		1.0	0.47
95-47-6	o-Xylene	20.9		1.0	0.36
100-42-5	Styrene	21.6		1.0	0.42
127-18-4	Tetrachloroethene	20.7		1.0	0.25
108-88-3	Toluene	20.6		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	19.0		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	25.1		1.0	0.49
79-01-6	Trichloroethene	19.1		1.0	0.31
75-69-4	Trichlorofluoromethane	18.1		1.0	0.32
75-01-4	Vinyl chloride	15.8		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	91		75-123
460-00-4	Bromofluorobenzene	102		76-120
1868-53-7	Dibromofluoromethane (Surr)	95		77-124
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90787.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 06-Jul-2020 20:37:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: lcsd
Misc. Info.: 460-0112801-006
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 07-Jul-2020 14:27:37 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1047

First Level Reviewer: xuyvo Date: 07-Jul-2020 14:27:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.678	1.684	-0.006	99	52552	20.0	11.0	
6 Chloromethane	50	1.897	1.904	-0.007	98	78921	20.0	13.9	
8 Vinyl chloride	62	2.007	2.013	-0.006	98	87158	20.0	15.8	
7 Butadiene	39	2.032	2.038	-0.006	96	63733	20.0	14.1	
9 Bromomethane	94	2.373	2.373	0.000	98	66482	20.0	17.6	
10 Chloroethane	64	2.464	2.477	-0.013	97	51011	20.0	16.6	
12 Trichlorofluoromethane	101	2.690	2.684	0.006	71	90881	20.0	18.1	
11 Dichlorofluoromethane	67	2.678	2.690	-0.012	98	120253	20.0	17.8	
13 Pentane	72	2.714	2.721	-0.007	98	22393	40.0	36.0	
14 Ethyl ether	59	2.940	2.940	0.000	94	46329	20.0	17.1	
15 Ethanol	46	2.934	2.946	-0.012	78	13147	800.0	647.1	
16 2-Methyl-1,3-butadiene	53	2.964	2.964	0.000	95	51521	20.0	16.6	
19 Acrolein	56	3.141	3.141	0.000	93	14269	40.0	104.3	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.153	3.166	-0.013	98	73427	20.0	21.3	
21 1,1-Dichloroethene	96	3.178	3.178	0.000	97	63180	20.0	19.4	
22 Acetone	58	3.281	3.281	0.000	89	29363	100.0	88.1	
23 Iodomethane	142	3.354	3.355	-0.001	95	129233	20.0	21.7	
25 Isopropyl alcohol	45	3.385	3.385	0.000	34	39049	200.0	218.1	
24 Carbon disulfide	76	3.391	3.391	0.000	98	252234	20.0	19.8	
26 3-Chloro-1-propene	76	3.519	3.525	-0.006	89	45664	20.0	19.6	
27 Methyl acetate	43	3.537	3.538	-0.001	70	78324	40.0	34.7	
28 Cyclopentene	67	3.537	3.544	-0.007	91	162381	20.0	18.8	
29 Acetonitrile	41	3.598	3.605	-0.007	98	62843	200.0	152.8	
30 Methylene Chloride	84	3.659	3.659	0.000	86	75984	20.0	19.1	a
* 31 TBA-d9 (IS)	65	3.659	3.666	-0.007	78	262141	1000.0	1000.0	
32 2-Methyl-2-propanol	59	3.726	3.745	-0.019	98	50398	200.0	200.1	
33 Methyl tert-butyl ether	73	3.824	3.830	-0.006	97	158598	20.0	21.2	
34 trans-1,2-Dichloroethene	96	3.842	3.848	-0.006	93	64734	20.0	19.0	
35 Acrylonitrile	53	3.921	3.922	-0.001	95	241019	200.0	191.9	
36 Hexane	43	3.995	3.995	0.000	89	48328	20.0	18.3	
37 Isopropyl ether	45	4.196	4.202	-0.006	97	181127	20.0	18.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	4.232	4.233	0.000	99	106807	20.0	19.0	
39 Vinyl acetate	86	4.238	4.239	-0.001	99	22316	40.0	51.1	
40 2-Chloro-1,3-butadiene	88	4.269	4.269	0.000	87	59143	20.0	21.4	
41 Tert-butyl ethyl ether	59	4.488	4.489	-0.001	90	167726	20.0	21.2	
* 42 2-Butanone-d5	46	4.659	4.659	0.000	90	260298	250.0	250.0	
43 2,2-Dichloropropane	97	4.683	4.684	-0.001	77	17576	20.0	22.4	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	99	71345	20.0	19.9	
45 Ethyl acetate	70	4.702	4.708	-0.006	94	13040	40.0	51.7	
46 2-Butanone (MEK)	72	4.708	4.708	0.000	97	34610	100.0	108.6	
47 Methyl acrylate	55	4.757	4.751	0.006	100	46796	20.0	20.8	
48 Propionitrile	54	4.830	4.824	0.006	100	87702	200.0	197.1	
50 Tetrahydrofuran	72	4.891	4.891	0.000	66	16050	40.0	45.0	
49 Chlorobromomethane	128	4.891	4.891	0.000	81	35896	20.0	21.2	
51 Methacrylonitrile	67	4.909	4.909	0.000	89	266074	200.0	214.5	
52 Chloroform	83	4.927	4.934	-0.007	99	99530	20.0	19.7	
53 Cyclohexane	56	5.043	5.043	0.000	89	116533	20.0	20.1	
$ 54 Dibromofluoromethane (Surr)	113	5.061	5.062	-0.001	97	123133	50.0	47.7	
55 1,1,1-Trichloroethane	97	5.055	5.062	-0.007	73	79626	20.0	21.6	
56 Carbon tetrachloride	117	5.153	5.153	0.000	98	51690	20.0	24.9	
57 1,1-Dichloropropene	75	5.171	5.171	0.000	99	79986	20.0	19.9	
58 Isobutyl alcohol	43	5.250	5.251	-0.001	95	35454	500.0	605.0	
59 Isooctane	57	5.299	5.299	0.000	95	213018	20.0	20.8	
60 Benzene	78	5.336	5.336	0.000	95	247035	20.0	20.5	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.342	5.342	0.000	97	133667	50.0	45.4	
62 Isopropyl acetate	43	5.354	5.360	-0.006	97	149441	20.0	20.6	
63 Tert-amyl methyl ether	87	5.366	5.366	0.000	91	54933	20.0	23.0	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	96	68030	20.0	19.3	
65 n-Heptane	71	5.433	5.433	0.000	88	71989	20.0	19.1	
* 66 Fluorobenzene	96	5.555	5.555	0.000	99	554011	50.0	50.0	
67 n-Butanol	56	5.769	5.775	-0.006	85	23482	500.0	654.6	
68 Trichloroethene	95	5.842	5.842	0.000	97	57905	20.0	19.1	
70 Ethyl acrylate	55	5.921	5.921	0.000	97	61143	20.0	19.5	a
69 Methylcyclohexane	83	5.952	5.958	-0.006	93	123605	20.0	22.0	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	91	58762	20.0	19.2	
73 Methyl methacrylate	100	6.128	6.128	0.000	87	31542	40.0	49.7	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	93	33011	1000.0	1000.0	
74 n-Propyl acetate	43	6.171	6.171	0.000	96	57149	20.0	18.0	
76 1,4-Dioxane	88	6.189	6.183	0.006	47	15713	400.0	444.2	
75 Dibromomethane	93	6.208	6.208	0.000	96	36506	20.0	20.3	
77 Dichlorobromomethane	83	6.329	6.330	-0.001	97	58880	20.0	20.5	
78 2-Chloroethyl vinyl ether	63	6.598	6.604	-0.006	95	33246	20.0	18.8	
79 2-Nitropropane	41	6.616	6.616	0.000	40	10886	40.0	47.9	a
80 Epichlorohydrin	57	6.695	6.695	0.000	98	101350	400.0	481.8	
81 cis-1,3-Dichloropropene	75	6.744	6.744	0.000	89	81593	20.0	22.6	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	94	255867	100.0	110.3	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	99	487444	50.0	49.4	
84 Toluene	91	6.988	6.988	0.000	94	246265	20.0	20.6	
85 trans-1,3-Dichloropropene	75	7.207	7.208	-0.001	95	65926	20.0	25.1	
86 Ethyl methacrylate	69	7.207	7.208	-0.001	81	66261	20.0	20.0	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	98	41734	20.0	20.5	
88 Tetrachloroethene	166	7.390	7.390	0.000	96	58101	20.0	20.7	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	90	85086	20.0	20.3	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 2-Hexanone	43	7.494	7.494	0.000	93	153374	100.0	103.1	
91 n-Butyl acetate	73	7.549	7.549	0.000	97	12726	20.0	20.0	
92 Chlorodibromomethane	129	7.622	7.622	0.000	96	40307	20.0	24.1	
93 Ethylene Dibromide	107	7.719	7.720	-0.001	98	48407	20.0	22.9	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	84	390733	50.0	50.0	
95 Chlorobenzene	112	8.024	8.024	0.000	96	157800	20.0	21.4	
96 Ethylbenzene	106	8.061	8.061	0.000	97	88011	20.0	20.2	
97 1,1,1,2-Tetrachloroethane	131	8.073	8.073	0.000	91	48673	20.0	28.3	
98 m-Xylene & p-Xylene	106	8.134	8.134	0.000	97	107763	20.0	20.5	
99 n-Butyl acrylate	73	8.335	8.335	0.000	97	35994	20.0	21.4	
100 o-Xylene	106	8.390	8.390	0.000	94	111571	20.0	20.9	
101 Styrene	104	8.402	8.402	0.000	97	177634	20.0	21.6	
102 Amyl acetate (mixed isomers)	43	8.469	8.469	0.000	92	80015	20.0	17.4	
103 Bromoform	173	8.542	8.543	-0.001	96	22508	20.0	26.7	
104 Isopropylbenzene	105	8.591	8.591	0.000	95	289860	20.0	20.6	
$ 105 4-Bromofluorobenzene	174	8.719	8.719	0.000	95	145625	50.0	51.0	
106 1,1,2,2-Tetrachloroethane	83	8.799	8.805	-0.006	98	69128	20.0	20.5	
107 Bromobenzene	156	8.811	8.811	0.000	98	67043	20.0	20.4	
108 N-Propylbenzene	91	8.823	8.823	0.000	99	345443	20.0	20.5	
109 trans-1,4-Dichloro-2-butene	53	8.835	8.841	-0.006	69	13843	20.0	17.2	
110 1,2,3-Trichloropropane	110	8.841	8.841	0.000	95	19510	20.0	19.7	
111 4-Ethyltoluene	105	8.884	8.884	0.000	97	277603	20.0	19.5	
112 2-Chlorotoluene	91	8.902	8.902	0.000	96	249589	20.0	20.4	
113 1,3,5-Trimethylbenzene	105	8.920	8.921	-0.001	93	252631	20.0	20.7	
114 Butyl Methacrylate	87	8.945	8.945	0.000	86	75163	20.0	18.5	
115 4-Chlorotoluene	91	8.963	8.963	0.000	96	195799	20.0	20.8	
116 tert-Butylbenzene	119	9.097	9.104	-0.007	95	203690	20.0	21.8	
117 1,2,4-Trimethylbenzene	105	9.134	9.134	0.000	96	256489	20.0	20.5	
118 sec-Butylbenzene	105	9.219	9.225	-0.006	99	332357	20.0	21.2	
119 4-Isopropyltoluene	119	9.298	9.299	-0.001	98	280578	20.0	21.0	
120 1,3-Dichlorobenzene	146	9.329	9.329	0.000	97	139044	20.0	21.3	
* 121 1,4-Dichlorobenzene-d4	152	9.372	9.372	0.000	94	215683	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.384	9.384	0.000	74	140062	20.0	21.1	
123 1,2,3-Trimethylbenzene	105	9.384	9.390	-0.006	97	275719	20.0	20.5	
124 Benzyl chloride	91	9.469	9.469	0.000	99	75341	20.0	28.6	
125 2,3-Dihydroindene	117	9.518	9.518	0.000	93	291747	20.0	20.6	
126 p-Diethylbenzene	119	9.524	9.524	0.000	94	171113	20.0	21.6	
127 n-Butylbenzene	92	9.542	9.542	0.000	97	157990	20.0	21.1	
128 1,2-Dichlorobenzene	146	9.622	9.622	0.000	98	145858	20.0	21.4	
129 1,2,4,5-Tetramethylbenzene	119	10.036	10.036	0.000	98	273615	20.0	22.5	
130 1,2-Dibromo-3-Chloropropane	75	10.146	10.146	0.000	92	8545	20.0	21.1	
131 1,3,5-Trichlorobenzene	180	10.249	10.250	-0.001	98	122400	20.0	22.8	
132 1,2,4-Trichlorobenzene	180	10.755	10.762	-0.007	93	103602	20.0	24.8	
133 Hexachlorobutadiene	225	10.835	10.835	0.000	97	42541	20.0	21.3	
134 Naphthalene	128	10.999	11.006	-0.007	99	231349	20.0	30.3	
135 1,2,3-Trichlorobenzene	180	11.225	11.231	-0.006	95	91429	20.0	33.7	
S 136 1,2-Dichloroethene, Total	100				0		40.0	38.9	
S 137 Xylenes, Total	100				0		40.0	41.4	
S 138 Total BTEX	1				0		100.0	102.7	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

GASES Li_00375	Amount Added:	20.00	Units: uL	
8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

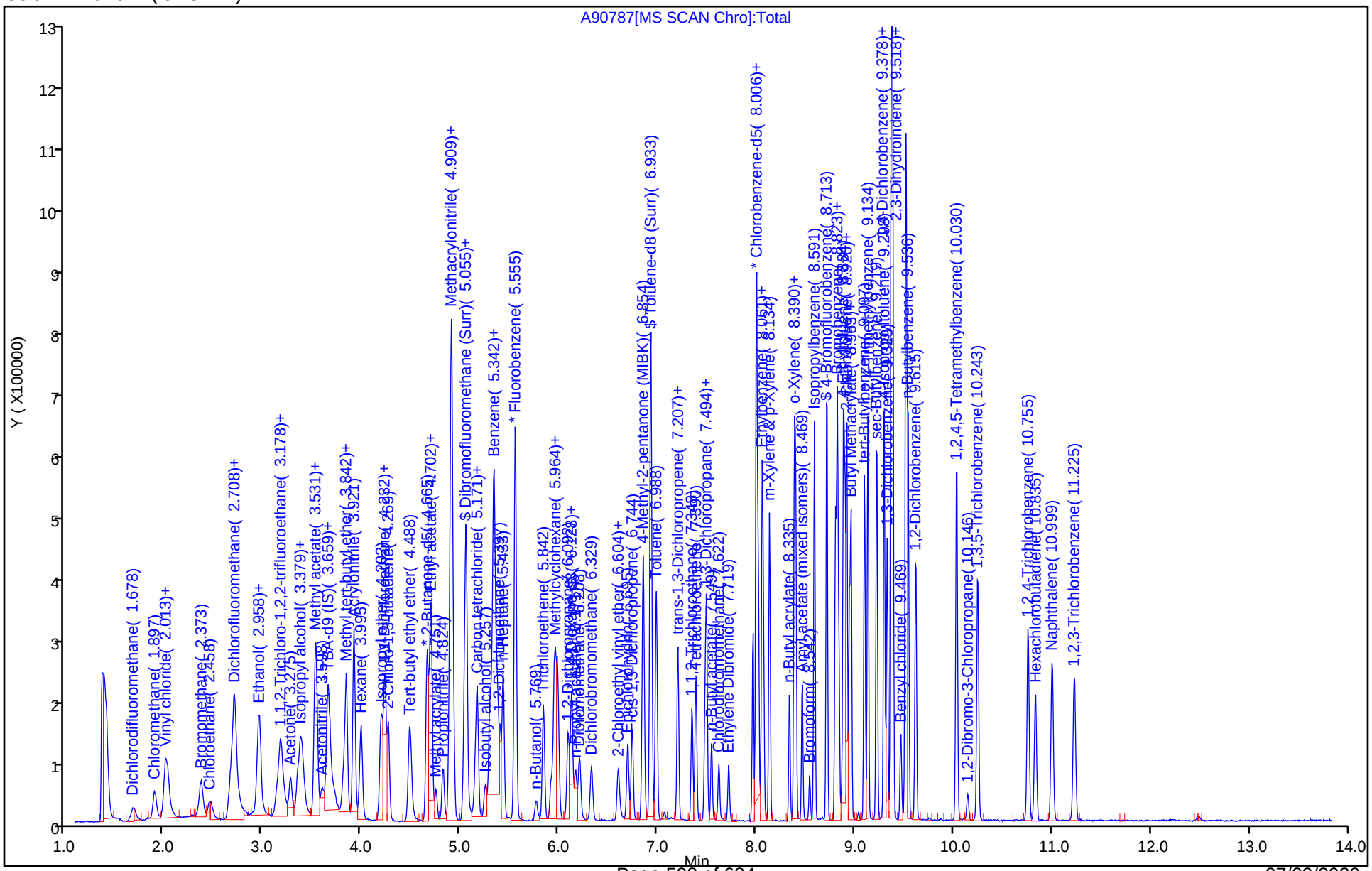
Report Date: 07-Jul-2020 14:27:39 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200706-112801.b\A90787.D

Injection Date:	06-Jul-2020 20:37:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	LCSD			Worklist Smp#:	6
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

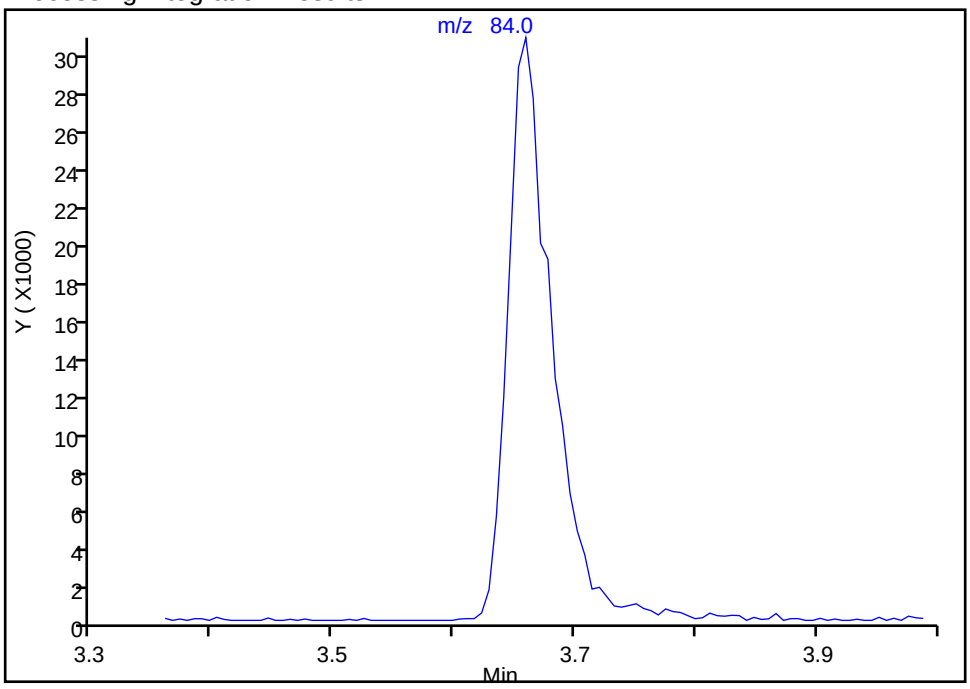
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Injection Date: 06-Jul-2020 20:37:30 Instrument ID: CVOAMS1
Lims ID: LCSD
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

30 Methylene Chloride, CAS: 75-09-2

Signal: 1

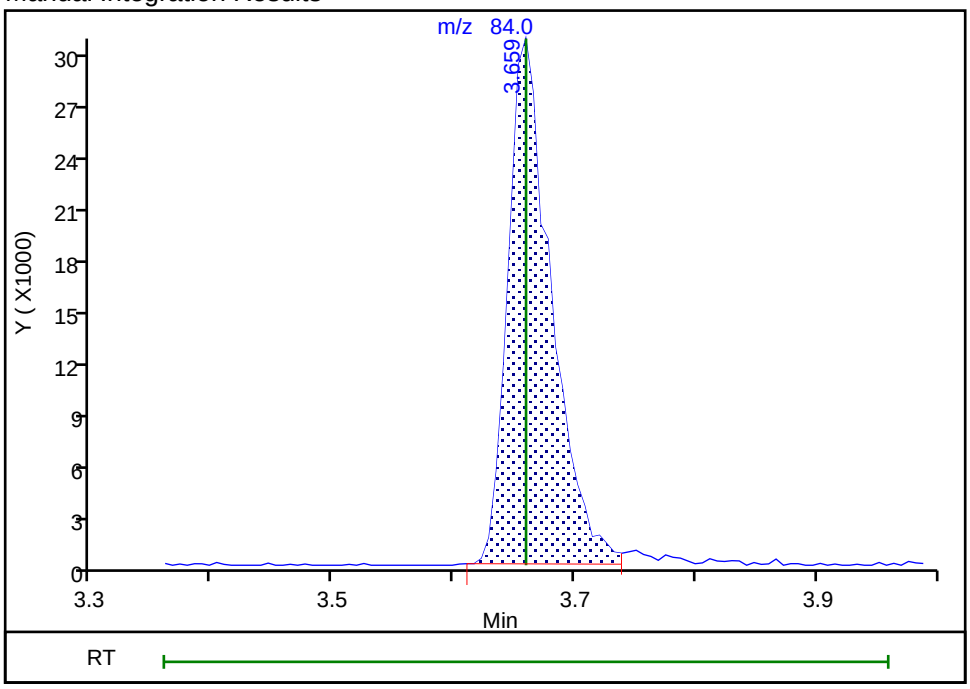
Not Detected
Expected RT: 3.66

Processing Integration Results



Manual Integration Results

RT: 3.66
Area: 75984
Amount: 19.112155
Amount Units: ug/l



Reviewer: asfawa, 07-Jul-2020 07:56:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-706392/5

Matrix: Water Lab File ID: A90816.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 10:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	19.3		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.7		1.0	0.37
79-00-5	1,1,2-Trichloroethane	18.4		1.0	0.43
75-34-3	1,1-Dichloroethane	18.8		1.0	0.26
75-35-4	1,1-Dichloroethene	16.8		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	29.7		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	22.1		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1.0	0.38
106-93-4	1,2-Dibromoethane	22.1		1.0	0.50
95-50-1	1,2-Dichlorobenzene	19.3		1.0	0.43
107-06-2	1,2-Dichloroethane	19.3		1.0	0.43
78-87-5	1,2-Dichloropropane	18.5		1.0	0.35
541-73-1	1,3-Dichlorobenzene	19.5		1.0	0.34
106-46-7	1,4-Dichlorobenzene	19.7		1.0	0.33
123-91-1	1,4-Dioxane	423		50	28
78-93-3	2-Butanone	106		5.0	1.9
591-78-6	2-Hexanone	99.1		5.0	1.1
108-10-1	4-Methyl-2-pentanone	103		5.0	1.3
67-64-1	Acetone	78.0		5.0	4.4
71-43-2	Benzene	19.3		1.0	0.20
74-97-5	Bromochloromethane	20.7		1.0	0.41
75-27-4	Bromodichloromethane	20.1		1.0	0.34
75-25-2	Bromoform	25.0		1.0	0.54
74-83-9	Bromomethane	17.4		1.0	0.55
75-15-0	Carbon disulfide	17.0		1.0	0.82
56-23-5	Carbon tetrachloride	24.3		1.0	0.21
108-90-7	Chlorobenzene	20.3		1.0	0.38
75-00-3	Chloroethane	17.2		1.0	0.32
67-66-3	Chloroform	19.9		1.0	0.33
74-87-3	Chloromethane	14.3		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	19.3		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	20.7		1.0	0.22
110-82-7	Cyclohexane	19.0		1.0	0.32
124-48-1	Dibromochloromethane	21.4		1.0	0.28
75-71-8	Dichlorodifluoromethane	13.8		1.0	0.31
100-41-4	Ethylbenzene	19.5		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-706392/5

Matrix: Water Lab File ID: A90816.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 10:21

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706392 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	20.1		1.0	0.31
98-82-8	Isopropylbenzene	19.6		1.0	0.34
179601-23-1	m&p-Xylene	19.8		1.0	0.30
79-20-9	Methyl acetate	35.2		5.0	0.79
108-87-2	Methylcyclohexane	21.3		1.0	0.26
75-09-2	Methylene Chloride	17.7		1.0	0.32
1634-04-4	MTBE	20.2		1.0	0.47
95-47-6	o-Xylene	20.0		1.0	0.36
100-42-5	Styrene	20.4		1.0	0.42
127-18-4	Tetrachloroethene	20.3		1.0	0.25
108-88-3	Toluene	19.4		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	19.2		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	22.6		1.0	0.49
79-01-6	Trichloroethene	19.4		1.0	0.31
75-69-4	Trichlorofluoromethane	18.2		1.0	0.32
75-01-4	Vinyl chloride	16.4		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	93		75-123
460-00-4	Bromofluorobenzene	105		76-120
1868-53-7	Dibromofluoromethane (Surr)	100		77-124
2037-26-5	Toluene-d8 (Surr)	99		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90816.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 07-Jul-2020 10:21:30 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0112826-005
Operator ID: VOA GC/MS1 Instrument ID: CVOAMS1

Method: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\8260624W_1.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 10:51:18 Calib Date: 11-Jun-2020 04:26:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS1\20200611-111447.b\A89509.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: moroneyc Date: 07-Jul-2020 10:49:18

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
2 Chlorotrifluoroethene	116	1.654	1.648	0.006	64	18081	20.0	11.5	
3 1,1-Difluoroethane	51	1.666	1.660	0.006	94	55030	20.0	14.7	
4 Dichlorodifluoromethane	85	1.690	1.696	-0.006	100	71191	20.0	13.8	
5 Chlorodifluoromethane	51	1.708	1.715	-0.007	98	66469	20.0	14.5	
6 Chloromethane	50	1.904	1.904	0.000	98	87380	20.0	14.3	
8 Vinyl chloride	62	2.013	2.019	-0.006	98	97156	20.0	16.4	
7 Butadiene	39	2.038	2.025	0.013	89	65598	20.0	13.4	a
9 Bromomethane	94	2.379	2.379	0.000	99	70803	20.0	17.4	
10 Chloroethane	64	2.471	2.471	0.000	98	56818	20.0	17.2	
11 Dichlorofluoromethane	67	2.684	2.690	-0.006	98	127094	20.0	17.5	
12 Trichlorofluoromethane	101	2.696	2.702	-0.006	68	98333	20.0	18.2	
13 Pentane	72	2.720	2.720	0.000	97	20094	40.0	28.8	
14 Ethyl ether	59	2.940	2.946	-0.006	94	47536	20.0	16.4	
15 Ethanol	46	2.940	2.958	-0.018	71	13009	800.0	571.0	
16 2-Methyl-1,3-butadiene	53	2.964	2.970	-0.006	95	53963	20.0	16.1	
17 1,2-Dichloro-1,1,2-trifluoroetha	117	3.025	3.013	0.012	85	61406	20.0	18.6	
18 1,1,1-Trifluoro-2,2-dichloroetha	83	3.080	3.092	-0.012	87	99209	20.0	17.8	a
19 Acrolein	56	3.141	3.147	-0.006	85	13559	40.0	88.1	
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	3.153	3.159	-0.006	95	74493	20.0	20.1	
21 1,1-Dichloroethene	96	3.184	3.178	0.006	96	59057	20.0	16.8	
22 Acetone	58	3.287	3.287	0.000	88	28255	100.0	78.0	
23 Iodomethane	142	3.355	3.361	-0.007	95	127682	20.0	19.9	
24 Carbon disulfide	76	3.397	3.391	0.006	99	233343	20.0	17.0	
25 Isopropyl alcohol	45	3.379	3.397	-0.018	96	39727	200.0	198.0	
26 3-Chloro-1-propene	76	3.525	3.525	0.000	93	49851	20.0	19.9	
27 Methyl acetate	43	3.537	3.543	-0.006	76	85368	40.0	35.2	
28 Cyclopentene	67	3.543	3.550	-0.007	93	167265	20.0	18.0	
29 Acetonitrile	41	3.598	3.604	-0.006	95	69454	200.0	150.6	
30 Methylene Chloride	84	3.659	3.665	-0.006	82	75695	20.0	17.7	
* 31 TBA-d9 (IS)	65	3.659	3.678	-0.019	71	293968	1000.0	1000.0	a
32 2-Methyl-2-propanol	59	3.739	3.745	-0.006	96	58051	200.0	205.6	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
33 Methyl tert-butyl ether	73	3.824	3.830	-0.006	96	162476	20.0	20.2	
34 trans-1,2-Dichloroethene	96	3.848	3.848	0.000	93	70459	20.0	19.2	
35 Acrylonitrile	53	3.921	3.928	-0.007	95	253870	200.0	187.9	
36 Hexane	43	3.989	3.995	-0.006	90	52406	20.0	18.4	
37 Isopropyl ether	45	4.202	4.202	0.000	96	184191	20.0	17.2	
38 1,1-Dichloroethane	63	4.232	4.232	0.000	98	113968	20.0	18.8	
39 Vinyl acetate	86	4.238	4.238	0.000	99	21608	40.0	44.1	
40 2-Chloro-1,3-butadiene	88	4.269	4.275	-0.006	88	58791	20.0	19.8	
41 Tert-butyl ethyl ether	59	4.488	4.488	0.000	91	170675	20.0	20.1	
* 42 2-Butanone-d5	46	4.665	4.665	0.000	92	282858	250.0	250.0	
43 2,2-Dichloropropane	97	4.690	4.690	0.000	62	16810	20.0	19.9	
44 cis-1,2-Dichloroethene	96	4.696	4.696	0.000	95	74347	20.0	19.3	
46 2-Butanone (MEK)	72	4.714	4.708	0.006	98	36698	100.0	106.0	
45 Ethyl acetate	70	4.708	4.714	-0.006	93	12924	40.0	47.2	
47 Methyl acrylate	55	4.751	4.757	-0.006	99	47985	20.0	19.8	
48 Propionitrile	54	4.824	4.830	-0.006	99	92932	200.0	186.2	
50 Tetrahydrofuran	72	4.891	4.897	-0.006	67	17010	40.0	43.9	
49 Chlorobromomethane	128	4.891	4.897	-0.006	76	37822	20.0	20.7	
51 Methacrylonitrile	67	4.915	4.909	0.006	88	275903	200.0	206.7	
52 Chloroform	83	4.933	4.933	0.000	96	108379	20.0	19.9	
53 Cyclohexane	56	5.049	5.049	0.000	87	118456	20.0	19.0	
55 1,1,1-Trichloroethane	97	5.055	5.055	0.000	71	76638	20.0	19.3	
$ 54 Dibromofluoromethane (Surr)	113	5.061	5.061	0.000	98	139056	50.0	50.1	
56 Carbon tetrachloride	117	5.159	5.159	0.000	97	54337	20.0	24.3	
57 1,1-Dichloropropene	75	5.177	5.177	0.000	98	83774	20.0	19.4	
58 Isobutyl alcohol	43	5.250	5.257	-0.007	91	34755	500.0	531.8	
59 Isooctane	57	5.305	5.305	0.000	94	209020	20.0	19.0	
60 Benzene	78	5.336	5.336	0.000	94	255552	20.0	19.3	
$ 61 1,2-Dichloroethane-d4 (Surr)	65	5.348	5.342	0.006	97	147680	50.0	46.6	
62 Isopropyl acetate	43	5.360	5.360	0.000	96	151355	20.0	19.4	
63 Tert-amyl methyl ether	87	5.366	5.372	-0.006	92	56358	20.0	21.9	
64 1,2-Dichloroethane	62	5.403	5.403	0.000	98	73429	20.0	19.3	
65 n-Heptane	71	5.433	5.433	0.000	88	70519	20.0	17.4	
* 66 Fluorobenzene	96	5.555	5.561	-0.006	99	596035	50.0	50.0	
67 n-Butanol	56	5.775	5.769	0.006	83	24455	500.0	609.9	
68 Trichloroethene	95	5.842	5.848	-0.006	98	63288	20.0	19.4	
70 Ethyl acrylate	55	5.921	5.921	0.000	95	69939	20.0	20.7	a
69 Methylcyclohexane	83	5.958	5.958	0.000	94	128704	20.0	21.3	
71 1,2-Dichloropropane	63	6.092	6.092	0.000	92	61194	20.0	18.5	
73 Methyl methacrylate	100	6.122	6.128	-0.006	79	32956	40.0	48.3	
* 72 1,4-Dioxane-d8	96	6.128	6.128	0.000	90	35570	1000.0	1000.0	
74 n-Propyl acetate	43	6.171	6.165	0.006	97	65485	20.0	19.2	
76 1,4-Dioxane	88	6.177	6.177	0.000	31	16133	400.0	423.3	
75 Dibromomethane	93	6.208	6.214	-0.006	93	37172	20.0	19.2	
77 Dichlorobromomethane	83	6.330	6.336	-0.006	99	62101	20.0	20.1	
78 2-Chloroethyl vinyl ether	63	6.604	6.598	0.006	96	36504	20.0	19.2	
79 2-Nitropropane	41	6.616	6.622	-0.006	40	11293	40.0	46.2	a
80 Epichlorohydrin	57	6.695	6.701	-0.006	98	109357	400.0	478.4	
81 cis-1,3-Dichloropropene	75	6.744	6.744	0.000	89	81988	20.0	20.7	
82 4-Methyl-2-pentanone (MIBK)	43	6.854	6.854	0.000	94	260478	100.0	103.3	
$ 83 Toluene-d8 (Surr)	98	6.933	6.933	0.000	100	538080	50.0	49.6	
84 Toluene	91	6.988	6.988	0.000	94	253924	20.0	19.4	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
85 trans-1,3-Dichloropropene	75	7.207	7.207	0.000	96	65298	20.0	22.6	
86 Ethyl methacrylate	69	7.207	7.207	0.000	80	63929	20.0	18.0	
87 1,1,2-Trichloroethane	83	7.348	7.348	0.000	96	41141	20.0	18.4	
88 Tetrachloroethene	166	7.390	7.390	0.000	95	62435	20.0	20.3	
89 1,3-Dichloropropane	76	7.482	7.482	0.000	91	88264	20.0	19.1	
90 2-Hexanone	43	7.500	7.500	0.000	94	160275	100.0	99.1	
91 n-Butyl acetate	73	7.549	7.549	0.000	98	13189	20.0	18.9	
92 Chlorodibromomethane	129	7.622	7.622	0.000	98	39355	20.0	21.4	
93 Ethylene Dibromide	107	7.726	7.720	0.006	99	51255	20.0	22.1	
* 94 Chlorobenzene-d5	117	8.006	8.006	0.000	83	429467	50.0	50.0	
95 Chlorobenzene	112	8.024	8.024	0.000	96	165047	20.0	20.3	
96 Ethylbenzene	106	8.067	8.061	0.006	97	93448	20.0	19.5	
97 1,1,1,2-Tetrachloroethane	131	8.079	8.073	0.006	93	47864	20.0	25.4	
98 m-Xylene & p-Xylene	106	8.140	8.140	0.000	98	114067	20.0	19.8	
99 n-Butyl acrylate	73	8.347	8.341	0.006	98	35428	20.0	19.2	
100 o-Xylene	106	8.396	8.396	0.000	94	117758	20.0	20.0	
101 Styrene	104	8.414	8.408	0.006	97	184054	20.0	20.4	
102 Amyl acetate (mixed isomers)	43	8.482	8.475	0.007	93	75612	20.0	14.9	
103 Bromoform	173	8.561	8.555	0.006	97	23152	20.0	25.0	
104 Isopropylbenzene	105	8.610	8.603	0.007	95	304100	20.0	19.6	
$ 105 4-Bromofluorobenzene	174	8.738	8.731	0.007	92	164226	50.0	52.3	
106 1,1,2,2-Tetrachloroethane	83	8.829	8.817	0.012	98	69860	20.0	18.7	
107 Bromobenzene	156	8.835	8.829	0.006	95	71235	20.0	19.6	
108 N-Propylbenzene	91	8.853	8.841	0.012	99	361582	20.0	19.4	
109 trans-1,4-Dichloro-2-butene	53	8.866	8.860	0.006	69	14548	20.0	16.3	
110 1,2,3-Trichloropropane	110	8.872	8.860	0.012	90	19658	20.0	18.0	
111 4-Ethyltoluene	105	8.920	8.908	0.012	98	292452	20.0	18.5	
112 2-Chlorotoluene	91	8.933	8.920	0.013	96	262373	20.0	19.4	
113 1,3,5-Trimethylbenzene	105	8.951	8.945	0.006	93	264728	20.0	19.6	
114 Butyl Methacrylate	87	8.981	8.969	0.012	86	74893	20.0	16.7	
115 4-Chlorotoluene	91	9.000	8.988	0.012	97	200457	20.0	19.2	
116 tert-Butylbenzene	119	9.140	9.128	0.012	96	210171	20.0	20.3	
117 1,2,4-Trimethylbenzene	105	9.177	9.158	0.019	97	264214	20.0	19.1	
118 sec-Butylbenzene	105	9.268	9.250	0.018	99	341746	20.0	19.7	
119 4-Isopropyltoluene	119	9.341	9.329	0.012	98	287359	20.0	19.5	
120 1,3-Dichlorobenzene	146	9.372	9.359	0.013	96	141160	20.0	19.5	
* 121 1,4-Dichlorobenzene-d4	152	9.414	9.402	0.012	95	238555	50.0	50.0	
122 1,4-Dichlorobenzene	146	9.433	9.414	0.019	89	144481	20.0	19.7	
123 1,2,3-Trimethylbenzene	105	9.433	9.414	0.019	97	278085	20.0	18.7	
124 Benzyl chloride	91	9.512	9.500	0.012	99	71607	20.0	24.7	
125 2,3-Dihydroindene	117	9.567	9.548	0.019	91	298572	20.0	19.1	
126 p-Diethylbenzene	119	9.573	9.555	0.019	96	173637	20.0	19.8	
127 n-Butylbenzene	92	9.591	9.573	0.018	98	155813	20.0	18.8	
128 1,2-Dichlorobenzene	146	9.670	9.652	0.018	98	145847	20.0	19.3	
129 1,2,4,5-Tetramethylbenzene	119	10.091	10.073	0.018	98	279626	20.0	20.8	
130 1,2-Dibromo-3-Chloropropane	75	10.195	10.189	0.006	93	8547	20.0	19.1	
131 1,3,5-Trichlorobenzene	180	10.304	10.286	0.018	97	127058	20.0	21.4	
132 1,2,4-Trichlorobenzene	180	10.823	10.798	0.025	93	102276	20.0	22.1	
133 Hexachlorobutadiene	225	10.902	10.877	0.025	97	43887	20.0	19.9	
134 Naphthalene	128	11.066	11.048	0.018	99	227598	20.0	27.0	
135 1,2,3-Trichlorobenzene	180	11.292	11.274	0.018	96	89258	20.0	29.7	
S 136 1,2-Dichloroethene, Total	100				0		40.0	38.5	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
S 137 Xylenes, Total	100				0		40.0	39.8	
S 138 Total BTEX	1				0		100.0	98.0	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
GASES Li_00375	Amount Added:	20.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
8260ISNEW_00129	Amount Added:	1.00	Units: uL	Run Reagent
8260SURR250_00209	Amount Added:	1.00	Units: uL	Run Reagent

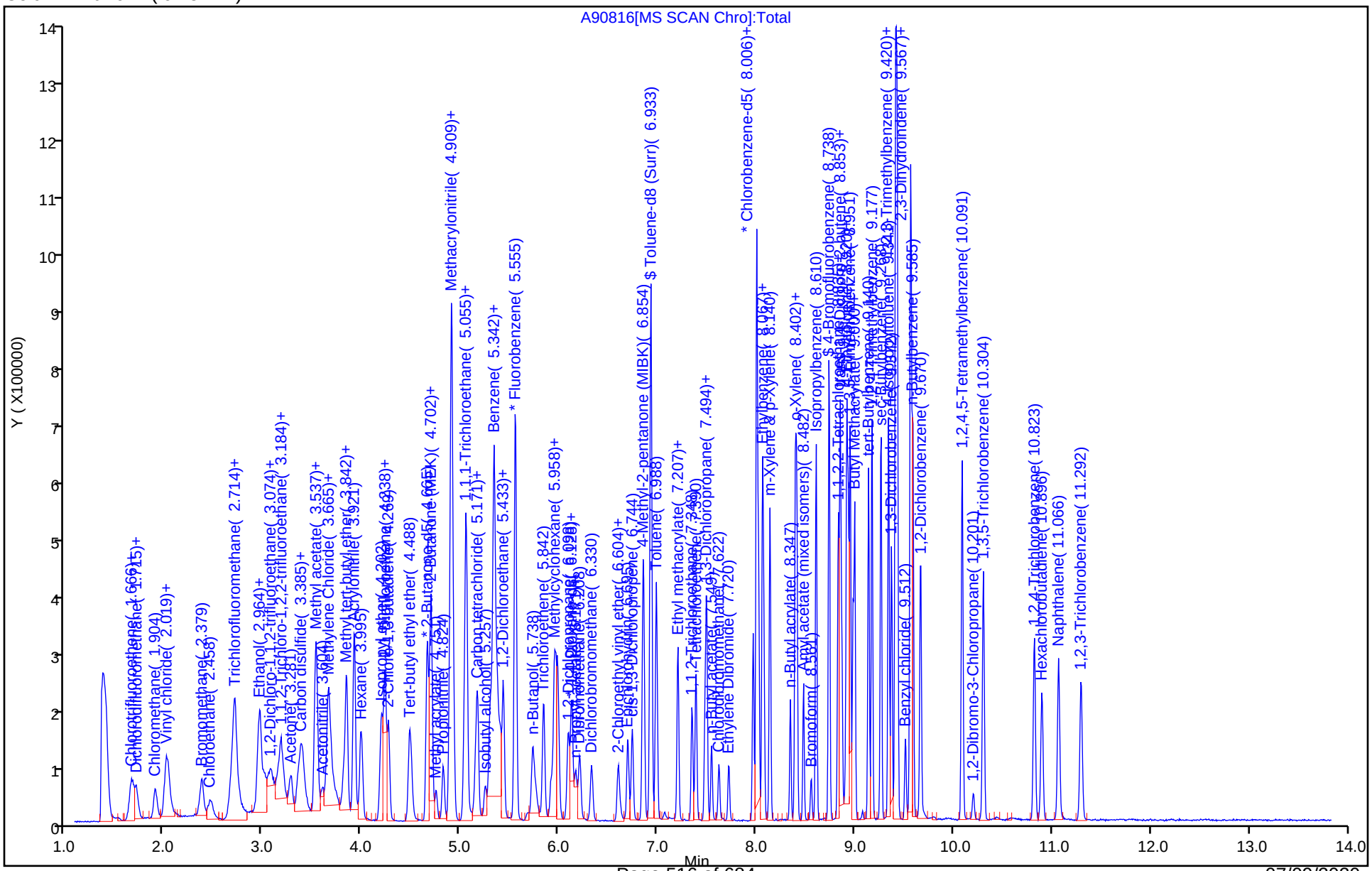
Report Date: 08-Jul-2020 10:51:21 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS1\20200707-112826.b\A90816.D

Injection Date:	07-Jul-2020 10:21:30	Instrument ID:	CVOAMS1	Operator ID:	VOA GC/MS1
Lims ID:	LCSD			Worklist Smp#:	5
Client ID:					
Purge Vol:	5.000 mL	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8260624W_1	Limit Group:	VOA - 8260C Water and Solid		

Column: Rtx-624 (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

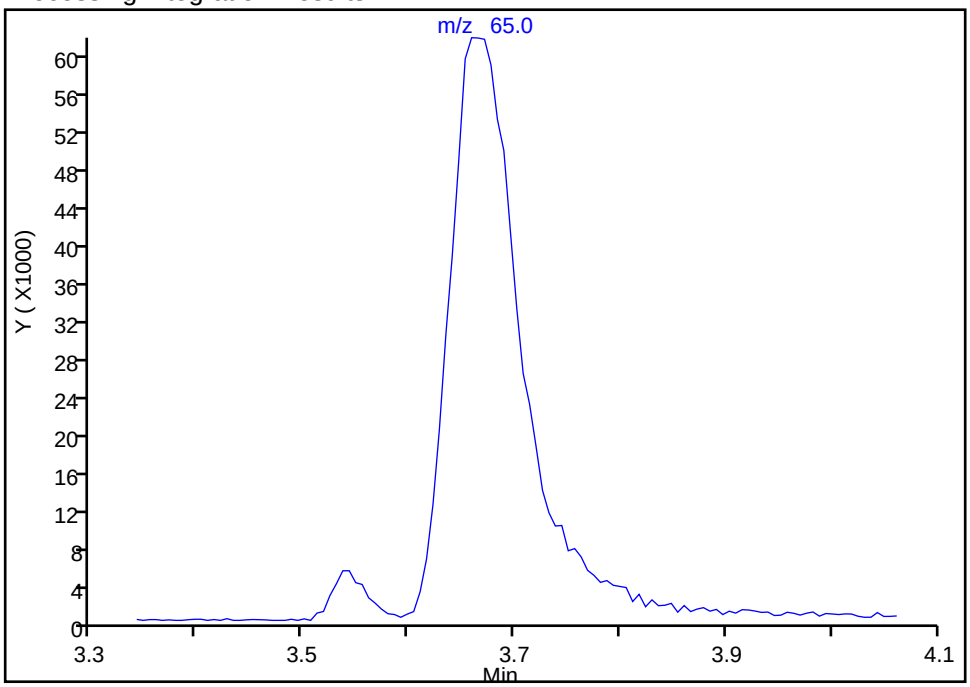
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Injection Date: 07-Jul-2020 10:21:30 Instrument ID: CVOAMS1
Lims ID: LCSD
Client ID:
Operator ID: VOA GC/MS1 ALS Bottle#: 4 Worklist Smp#: 5
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Method: 8260624W_1 Limit Group: VOA - 8260C Water and Solid
Column: Rtx-624 (0.25 mm) Detector MS SCAN

* 31 TBA-d9 (IS), CAS: 25725-11-5

Signal: 1

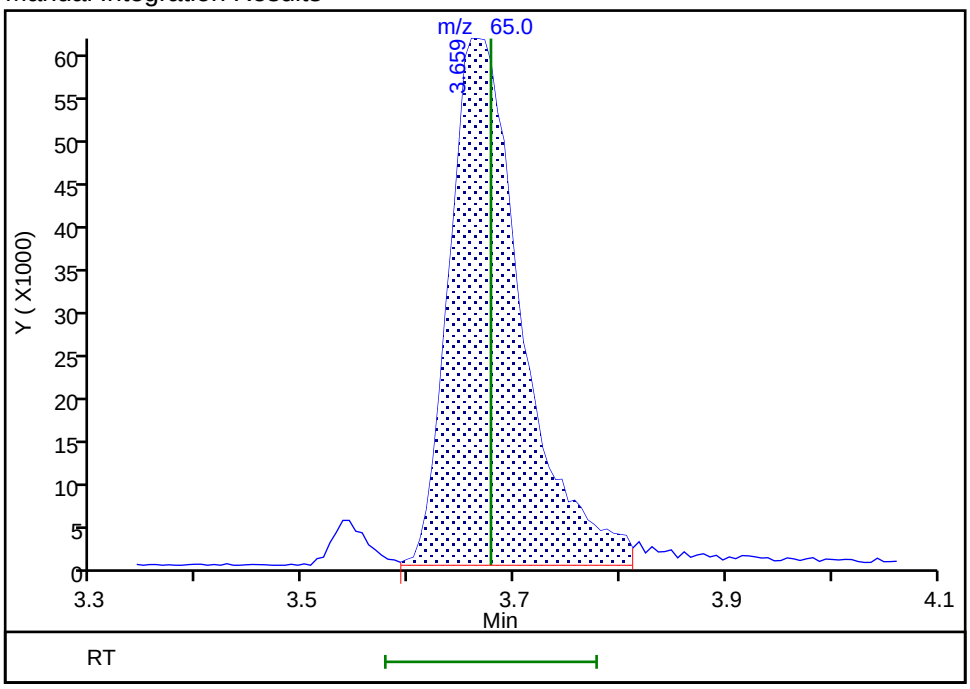
Processing Integration Results

Not Detected
Expected RT: 3.68



Manual Integration Results

RT: 3.66
Area: 293968
Amount: 1000.0000
Amount Units: ug/l



Reviewer: moroneyc, 07-Jul-2020 10:48:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-706558/6

Matrix: Water Lab File ID: F98173.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 21:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
71-55-6	1,1,1-Trichloroethane	20.4		1.0	0.24
79-34-5	1,1,2,2-Tetrachloroethane	18.3		1.0	0.37
79-00-5	1,1,2-Trichloroethane	19.7		1.0	0.43
75-34-3	1,1-Dichloroethane	18.8		1.0	0.26
75-35-4	1,1-Dichloroethene	21.0		1.0	0.26
87-61-6	1,2,3-Trichlorobenzene	23.7		1.0	0.36
120-82-1	1,2,4-Trichlorobenzene	23.2		1.0	0.37
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		1.0	0.38
106-93-4	1,2-Dibromoethane	20.3		1.0	0.50
95-50-1	1,2-Dichlorobenzene	22.1		1.0	0.43
107-06-2	1,2-Dichloroethane	18.6		1.0	0.43
78-87-5	1,2-Dichloropropane	19.0		1.0	0.35
541-73-1	1,3-Dichlorobenzene	22.2		1.0	0.34
106-46-7	1,4-Dichlorobenzene	21.8		1.0	0.33
123-91-1	1,4-Dioxane	465		50	28
78-93-3	2-Butanone	114		5.0	1.9
591-78-6	2-Hexanone	106		5.0	1.1
108-10-1	4-Methyl-2-pentanone	108		5.0	1.3
67-64-1	Acetone	69.4		5.0	4.4
71-43-2	Benzene	19.8		1.0	0.20
74-97-5	Bromochloromethane	21.5		1.0	0.41
75-27-4	Bromodichloromethane	19.6		1.0	0.34
75-25-2	Bromoform	22.4		1.0	0.54
74-83-9	Bromomethane	17.0		1.0	0.55
75-15-0	Carbon disulfide	20.6		1.0	0.82
56-23-5	Carbon tetrachloride	21.0		1.0	0.21
108-90-7	Chlorobenzene	20.9		1.0	0.38
75-00-3	Chloroethane	15.1		1.0	0.32
67-66-3	Chloroform	20.4		1.0	0.33
74-87-3	Chloromethane	11.4		1.0	0.40
156-59-2	cis-1,2-Dichloroethene	20.5		1.0	0.22
10061-01-5	cis-1,3-Dichloropropene	18.3		1.0	0.22
110-82-7	Cyclohexane	20.8		1.0	0.32
124-48-1	Dibromochloromethane	20.8		1.0	0.28
75-71-8	Dichlorodifluoromethane	8.62		1.0	0.31
100-41-4	Ethylbenzene	21.0		1.0	0.30

FORM I
GC/MS VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-706558/6

Matrix: Water Lab File ID: F98173.D

Analysis Method: 8260C Date Collected:

Sample wt/vol: 5(mL) Date Analyzed: 07/07/2020 21:18

Soil Aliquot Vol: Dilution Factor: 1

Soil Extract Vol.: GC Column: Rtx-624 ID: 0.25(mm)

% Moisture: Level: (low/med) Low

Analysis Batch No.: 706558 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
76-13-1	Freon TF	21.9		1.0	0.31
98-82-8	Isopropylbenzene	21.5		1.0	0.34
179601-23-1	m&p-Xylene	21.6		1.0	0.30
79-20-9	Methyl acetate	33.4		5.0	0.79
108-87-2	Methylcyclohexane	21.2		1.0	0.26
75-09-2	Methylene Chloride	20.4		1.0	0.32
1634-04-4	MTBE	20.2		1.0	0.47
95-47-6	o-Xylene	22.3		1.0	0.36
100-42-5	Styrene	21.7		1.0	0.42
127-18-4	Tetrachloroethene	23.1		1.0	0.25
108-88-3	Toluene	19.7		1.0	0.38
156-60-5	trans-1,2-Dichloroethene	20.4		1.0	0.24
10061-02-6	trans-1,3-Dichloropropene	18.2		1.0	0.49
79-01-6	Trichloroethene	20.8		1.0	0.31
75-69-4	Trichlorofluoromethane	17.8		1.0	0.32
75-01-4	Vinyl chloride	13.3		1.0	0.17

CAS NO.	SURROGATE	%REC	Q	LIMITS
17060-07-0	1,2-Dichloroethane-d4 (Surr)	90		75-123
460-00-4	Bromofluorobenzene	111		76-120
1868-53-7	Dibromofluoromethane (Surr)	99		77-124
2037-26-5	Toluene-d8 (Surr)	98		80-120

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98173.D
Lims ID: LCSD
Client ID:
Sample Type: LCSD
Inject. Date: 07-Jul-2020 21:18:30 ALS Bottle#: 5 Worklist Smp#: 6
Purge Vol: 5.000 mL Dil. Factor: 1.0000
Sample Info: LCSD
Misc. Info.: 460-0112863-006
Operator ID: Instrument ID: CVOAMS6

Method: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\8260624W6.m
Limit Group: VOA - 8260C Water and Solid
Last Update: 08-Jul-2020 10:31:08 Calib Date: 01-Jul-2020 18:44:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CVOAMS6\20200701-112547.b\F97868.D

Column 1 : Rtx-624 (0.25 mm) Det: MS SCAN
Process Host: CTX1057

First Level Reviewer: yallabg Date: 07-Jul-2020 21:40:00

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
4 Dichlorodifluoromethane	85	1.590	1.599	-0.009	99	27686	20.0	8.62	
6 Chloromethane	50	1.763	1.771	-0.008	99	37215	20.0	11.4	
7 Butadiene	54	1.845	1.845	0.000	94	37466	20.0	12.9	
8 Vinyl chloride	62	1.853	1.862	-0.009	97	43262	20.0	13.3	
9 Bromomethane	94	2.116	2.133	-0.017	99	34374	20.0	17.0	
10 Chloroethane	64	2.174	2.182	-0.008	98	26773	20.0	15.1	
11 Dichlorofluoromethane	67	2.355	2.363	-0.008	99	70347	20.0	15.9	
12 Trichlorofluoromethane	101	2.363	2.379	-0.016	77	59802	20.0	17.8	
13 Pentane	72	2.388	2.388	0.000	94	14385	40.0	41.6	
14 Ethanol	46	2.535	2.552	-0.017	69	4887	800.0	687.2	
15 Ethyl ether	59	2.544	2.560	-0.016	95	26601	20.0	14.1	
16 2-Methyl-1,3-butadiene	53	2.568	2.585	-0.017	93	30962	20.0	14.2	
19 Acrolein	56	2.716	2.733	-0.017	31	6239	40.0	49.9	M
20 1,1,2-Trichloro-1,2,2-trifluoroe	101	2.733	2.741	-0.008	96	50506	20.0	21.9	
21 1,1-Dichloroethene	96	2.766	2.774	-0.008	95	49526	20.0	21.0	
22 Acetone	43	2.831	2.848	-0.017	90	56303	100.0	69.4	
23 Iodomethane	142	2.913	2.922	-0.009	95	90795	20.0	23.4	
24 Isopropyl alcohol	45	2.913	2.930	-0.017	29	14215	200.0	211.6	
25 Carbon disulfide	76	2.963	2.971	-0.008	98	194754	20.0	20.6	
26 3-Chloro-1-propene	41	3.053	3.061	-0.008	92	69392	20.0	15.9	
27 Methyl acetate	43	3.061	3.070	-0.009	99	66910	40.0	33.4	
28 Cyclopentene	67	3.078	3.086	-0.008	93	119587	20.0	18.6	
29 Acetonitrile	41	3.119	3.127	-0.008	45	44584	200.0	217.7	a
* 31 TBA-d9 (IS)	65	3.168	3.176	-0.008	0	162437	1000.0	1000.0	
30 Methylene Chloride	84	3.185	3.193	-0.008	85	58627	20.0	20.4	
32 2-Methyl-2-propanol	59	3.242	3.242	0.000	95	41004	200.0	224.7	a
33 Methyl tert-butyl ether	73	3.332	3.341	-0.009	96	119464	20.0	20.2	
34 trans-1,2-Dichloroethene	96	3.357	3.365	-0.008	92	48841	20.0	20.4	
35 Acrylonitrile	53	3.431	3.439	-0.008	96	190829	200.0	173.9	
36 Hexane	43	3.505	3.513	-0.008	87	34473	20.0	17.3	
37 Isopropyl ether	45	3.710	3.719	-0.009	92	118567	20.0	17.2	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
38 1,1-Dichloroethane	63	3.743	3.752	-0.009	98	75710	20.0	18.8	
39 Vinyl acetate	86	3.752	3.768	-0.016	99	20085	40.0	38.1	
40 2-Chloro-1,3-butadiene	88	3.784	3.793	-0.009	87	44079	20.0	20.7	
41 Tert-butyl ethyl ether	59	4.023	4.031	-0.008	90	123311	20.0	19.4	
* 42 2-Butanone-d5	46	4.212	4.220	-0.008	0	212348	250.0	250.0	
43 2,2-Dichloropropane	97	4.236	4.236	0.000	79	16306	20.0	22.0	
44 cis-1,2-Dichloroethene	96	4.245	4.253	-0.008	99	53408	20.0	20.5	
46 2-Butanone (MEK)	72	4.269	4.277	-0.008	97	31889	100.0	114.0	
45 Ethyl acetate	70	4.269	4.277	-0.008	94	12339	40.0	53.1	
47 Methyl acrylate	55	4.327	4.327	0.000	98	39389	20.0	16.0	
48 Propionitrile	54	4.401	4.401	0.000	98	65790	200.0	234.1	
50 Chlorobromomethane	128	4.475	4.475	0.000	81	26879	20.0	21.5	
49 Tetrahydrofuran	72	4.475	4.475	0.000	67	15254	40.0	50.0	
51 Methacrylonitrile	67	4.499	4.499	0.000	86	226554	200.0	184.8	
52 Chloroform	83	4.524	4.524	0.000	99	76431	20.0	20.4	
53 Cyclohexane	84	4.655	4.664	-0.009	86	86554	20.0	20.8	
54 1,1,1-Trichloroethane	97	4.672	4.680	-0.008	72	67590	20.0	20.4	
$ 55 Dibromofluoromethane (Surr)	113	4.672	4.680	-0.008	97	100421	50.0	49.5	
56 Carbon tetrachloride	117	4.787	4.795	-0.008	97	55864	20.0	21.0	
57 1,1-Dichloropropene	75	4.812	4.820	-0.008	97	63185	20.0	19.5	
58 Isobutyl alcohol	43	4.927	4.935	-0.008	95	18947	500.0	330.7	
59 Benzene	78	5.009	5.017	-0.008	95	203625	20.0	19.8	
$ 60 1,2-Dichloroethane-d4 (Surr)	65	5.025	5.025	0.000	0	112314	50.0	44.8	
61 Isopropyl acetate	43	5.066	5.066	0.000	93	116864	20.0	17.7	
62 Tert-amyl methyl ether	73	5.074	5.074	0.000	87	138177	20.0	20.4	
63 1,2-Dichloroethane	62	5.099	5.099	0.000	97	55982	20.0	18.6	
64 n-Heptane	57	5.165	5.165	0.000	85	37267	20.0	19.4	
* 65 Fluorobenzene	96	5.296	5.296	0.000	99	457716	50.0	50.0	
66 n-Butanol	56	5.584	5.584	0.000	82	23409	500.0	495.0	
67 Trichloroethene	95	5.641	5.641	0.000	95	49691	20.0	20.8	
68 Ethyl acrylate	55	5.765	5.765	0.000	96	117736	20.0	18.8	
69 Methylcyclohexane	83	5.765	5.773	-0.008	84	96874	20.0	21.2	
70 1,2-Dichloropropane	63	5.929	5.929	0.000	93	46717	20.0	19.0	
* 71 1,4-Dioxane-d8	96	5.978	5.978	0.000	0	17101	1000.0	1000.0	
72 Methyl methacrylate	100	6.003	6.003	0.000	81	31208	40.0	41.7	
73 1,4-Dioxane	88	6.044	6.044	0.000	33	8768	400.0	465.5	
75 Dibromomethane	93	6.052	6.052	0.000	96	29057	20.0	19.3	
74 n-Propyl acetate	43	6.060	6.061	0.000	95	52841	20.0	15.3	
76 Dichlorobromomethane	83	6.200	6.200	0.000	99	57690	20.0	19.6	
77 2-Nitropropane	41	6.537	6.537	0.000	82	17800	40.0	30.7	
78 2-Chloroethyl vinyl ether	63	6.537	6.545	-0.008	80	24342	20.0	17.1	
79 Epichlorohydrin	57	6.644	6.644	0.000	97	88443	400.0	431.5	
80 cis-1,3-Dichloropropene	75	6.701	6.701	0.000	87	74238	20.0	18.3	
81 4-Methyl-2-pentanone (MIBK)	43	6.866	6.874	-0.008	91	206413	100.0	108.0	
$ 82 Toluene-d8 (Surr)	98	6.948	6.948	0.000	99	444901	50.0	48.8	
83 Toluene	91	7.022	7.022	0.000	93	214492	20.0	19.7	
84 trans-1,3-Dichloropropene	75	7.367	7.367	0.000	92	62456	20.0	18.2	
85 Ethyl methacrylate	69	7.400	7.400	0.000	84	65286	20.0	18.9	
86 1,1,2-Trichloroethane	83	7.581	7.581	0.000	96	36889	20.0	19.7	
87 Tetrachloroethene	166	7.630	7.630	0.000	94	49039	20.0	23.1	
88 1,3-Dichloropropane	76	7.786	7.794	-0.008	90	71557	20.0	18.3	
89 2-Hexanone	43	7.860	7.860	0.000	91	130780	100.0	105.7	

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/l	OnCol Amt ug/l	Flags
90 n-Butyl acetate	43	7.975	7.975	0.000	95	61952	20.0	16.2	
91 Chlorodibromomethane	129	8.016	8.016	0.000	98	43515	20.0	20.8	
92 Ethylene Dibromide	107	8.172	8.172	0.000	100	42983	20.0	20.3	
* 93 Chlorobenzene-d5	117	8.723	8.723	0.000	84	330422	50.0	50.0	
94 Chlorobenzene	112	8.756	8.756	0.000	97	138407	20.0	20.9	
95 Ethylbenzene	106	8.862	8.871	-0.009	97	80516	20.0	21.0	
96 1,1,1,2-Tetrachloroethane	131	8.879	8.879	0.000	95	48680	20.0	22.4	
97 m-Xylene & p-Xylene	106	9.027	9.027	0.000	0	98667	20.0	21.6	
98 n-Butyl acrylate	73	9.479	9.471	0.008	98	40020	20.0	18.9	
99 o-Xylene	106	9.487	9.487	0.000	94	104585	20.0	22.3	
100 Styrene	104	9.512	9.512	0.000	96	163244	20.0	21.7	
101 Amyl acetate (mixed isomers)	43	9.709	9.709	0.000	92	78583	20.0	15.9	
102 Bromoform	173	9.717	9.717	0.000	97	29911	20.0	22.4	
103 Isopropylbenzene	105	9.840	9.840	0.000	95	256602	20.0	21.5	
$ 104 4-Bromofluorobenzene	174	10.021	10.021	0.000	91	133580	50.0	55.4	
105 Bromobenzene	156	10.136	10.136	0.000	98	60509	20.0	21.7	
106 1,1,2,2-Tetrachloroethane	83	10.177	10.177	0.000	99	64050	20.0	18.3	
107 N-Propylbenzene	91	10.202	10.202	0.000	100	311152	20.0	19.2	
108 1,2,3-Trichloropropane	110	10.218	10.218	0.000	97	19505	20.0	19.0	
109 trans-1,4-Dichloro-2-butene	53	10.235	10.235	0.000	79	14360	20.0	16.5	
110 2-Chlorotoluene	91	10.292	10.292	0.000	96	211734	20.0	19.6	
111 4-Ethyltoluene	105	10.300	10.300	0.000	98	264746	20.0	20.6	
112 1,3,5-Trimethylbenzene	105	10.350	10.358	-0.008	93	222801	20.0	20.1	
113 4-Chlorotoluene	91	10.383	10.383	0.000	96	194546	20.0	20.4	
114 Butyl Methacrylate	87	10.440	10.440	0.000	83	80605	20.0	20.0	
115 tert-Butylbenzene	119	10.588	10.588	0.000	95	180245	20.0	20.7	
116 1,2,4-Trimethylbenzene	105	10.637	10.637	0.000	96	233857	20.0	20.3	
117 sec-Butylbenzene	105	10.752	10.752	0.000	99	287161	20.0	20.1	
119 1,3-Dichlorobenzene	146	10.851	10.851	0.000	96	124645	20.0	22.2	
118 4-Isopropyltoluene	119	10.859	10.859	0.000	98	246281	20.0	20.9	
* 120 1,4-Dichlorobenzene-d4	152	10.908	10.908	0.000	93	185756	50.0	50.0	
121 1,4-Dichlorobenzene	146	10.925	10.925	0.000	95	125313	20.0	21.8	
122 1,2,3-Trimethylbenzene	105	10.941	10.941	0.000	97	245420	20.0	20.5	
123 Benzyl chloride	91	11.024	11.024	0.000	99	125819	20.0	19.9	
124 2,3-Dihydroindene	117	11.073	11.073	0.000	94	249604	20.0	21.2	
125 p-Diethylbenzene	119	11.114	11.106	0.008	94	139191	20.0	21.4	
126 n-Butylbenzene	92	11.130	11.122	0.008	98	139634	20.0	20.9	
127 1,2-Dichlorobenzene	146	11.171	11.171	0.000	96	130028	20.0	22.1	
128 1,2,4,5-Tetramethylbenzene	119	11.599	11.590	0.009	98	248990	20.0	21.0	
129 1,2-Dibromo-3-Chloropropane	157	11.664	11.656	0.008	95	15298	20.0	19.2	
130 1,3,5-Trichlorobenzene	180	11.755	11.747	0.008	97	103416	20.0	22.9	
131 1,2,4-Trichlorobenzene	180	12.149	12.133	0.016	93	99927	20.0	23.2	
132 Hexachlorobutadiene	225	12.215	12.207	0.008	96	35266	20.0	22.5	
133 Naphthalene	128	12.314	12.305	0.009	99	280134	20.0	21.5	
134 1,2,3-Trichlorobenzene	180	12.478	12.461	0.017	96	95518	20.0	23.7	
S 135 1,2-Dichloroethene, Total	100				0		40.0	40.9	
S 136 Xylenes, Total	100				0		40.0	43.8	

QC Flag Legend

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8260MIX1COMB_00120	Amount Added:	20.00	Units: uL	
ACROLEIN W_00108	Amount Added:	4.00	Units: uL	
524freon_00024	Amount Added:	20.00	Units: uL	
GASES Li_00376	Amount Added:	20.00	Units: uL	
VOA6IS/SURR_00036	Amount Added:	5.00	Units: uL	Run Reagent

Report Date: 08-Jul-2020 10:31:10 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CVOAMS6\20200707-112863.b\F98173.D

Injection Date: 07-Jul-2020 21:18:30 Instrument ID: CVOAMS6 Operator ID:

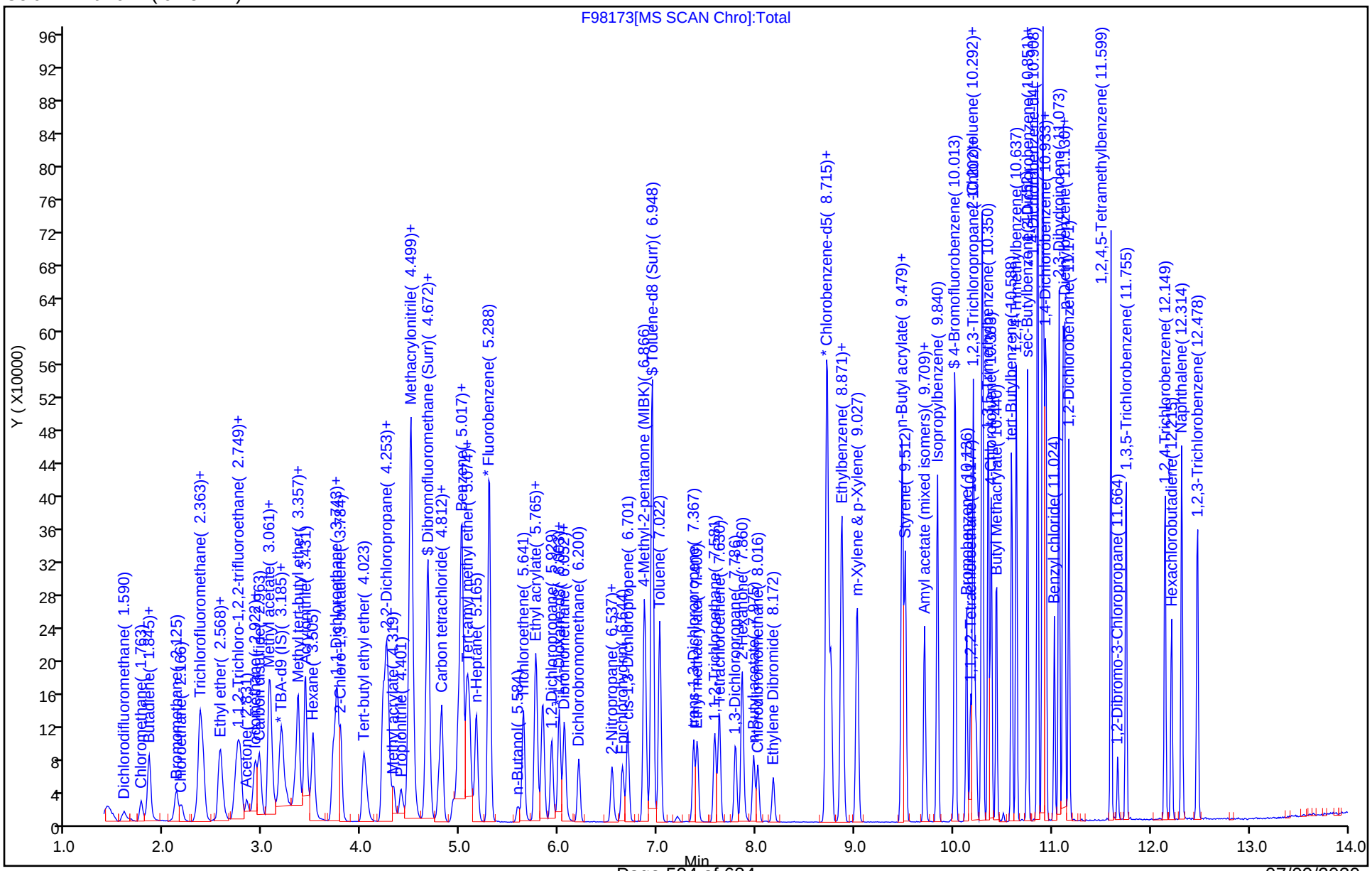
Lims ID: LCSD Worklist Smp#: 6

Client ID:

Purge Vol: 5.000 mL Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8260624W6 Limit Group: VOA - 8260C Water and Solid

Column: Rtx-624 (0.25 mm)



GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 06/11/2020 01:12

Analysis Batch Number: 700493 End Date: 06/11/2020 06:58

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-700493/1		06/11/2020 01:12	1	A89501.D	Rtx-624 0.25(mm)
STD7 460-700493/3 IC		06/11/2020 02:04	1	A89503.D	Rtx-624 0.25(mm)
STD1 460-700493/4 IC		06/11/2020 02:28	1	A89504.D	Rtx-624 0.25(mm)
STD5 460-700493/5 IC		06/11/2020 02:52	1	A89505.D	Rtx-624 0.25(mm)
STD20 460-700493/6 ICIS		06/11/2020 03:15	1	A89506.D	Rtx-624 0.25(mm)
STD50 460-700493/7 IC		06/11/2020 03:39	1	A89507.D	Rtx-624 0.25(mm)
STD200 460-700493/8 IC		06/11/2020 04:02	1	A89508.D	Rtx-624 0.25(mm)
STD500 460-700493/9 IC		06/11/2020 04:26	1	A89509.D	Rtx-624 0.25(mm)
ICV 460-700493/14		06/11/2020 06:58	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 07/06/2020 18:32

Analysis Batch Number: 706284 End Date: 07/07/2020 06:07

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-706284/1		07/06/2020 18:32	1	A90782.D	Rtx-624 0.25(mm)
CCVIS 460-706284/3		07/06/2020 19:27	1	A90784.D	Rtx-624 0.25(mm)
LCS 460-706284/4		07/06/2020 19:50	1	A90785.D	Rtx-624 0.25(mm)
LCSD 460-706284/6		07/06/2020 20:37	1	A90787.D	Rtx-624 0.25(mm)
MB 460-706284/10		07/06/2020 22:13	1	A90791.D	Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 02:10	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 02:34	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 02:57	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 03:21	1		Rtx-624 0.25(mm)
460-212426-1		07/07/2020 03:45	1	A90805.D	Rtx-624 0.25(mm)
460-212426-2		07/07/2020 04:09	1	A90806.D	Rtx-624 0.25(mm)
460-212426-3		07/07/2020 04:32	1	A90807.D	Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 04:56	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 05:20	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 05:43	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 06:07	25		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Instrument ID: CVOAMS1 Start Date: 07/07/2020 07:46

Analysis Batch Number: 706392 End Date: 07/07/2020 17:48

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-706392/1		07/07/2020 07:46	1	A90812.D	Rtx-624 0.25(mm)
CCVIS 460-706392/3		07/07/2020 09:33	1	A90814.D	Rtx-624 0.25(mm)
LCS 460-706392/4		07/07/2020 09:57	1	A90815.D	Rtx-624 0.25(mm)
LCSD 460-706392/5		07/07/2020 10:21	1	A90816.D	Rtx-624 0.25(mm)
MB 460-706392/9		07/07/2020 11:55	1	A90820.D	Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 12:19	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 12:42	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 13:06	1		Rtx-624 0.25(mm)
460-212426-4		07/07/2020 13:30	1	A90824.D	Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 13:53	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 14:40	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 15:04	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 15:27	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 15:51	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 16:14	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 16:38	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 17:01	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 17:25	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 17:48	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 07/01/2020 15:18

Analysis Batch Number: 705288 End Date: 07/02/2020 02:51

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-705288/1		07/01/2020 15:18	1	F97859.D	Rtx-624 0.25(mm)
STD7 460-705288/4 IC		07/01/2020 16:17	1	F97862.D	Rtx-624 0.25(mm)
STD1 460-705288/5 IC		07/01/2020 16:41	1	F97863.D	Rtx-624 0.25(mm)
STD5 460-705288/6 IC		07/01/2020 17:06	1	F97864.D	Rtx-624 0.25(mm)
STD20 460-705288/7 ICIS		07/01/2020 17:31	1	F97865.D	Rtx-624 0.25(mm)
STD50 460-705288/8 IC		07/01/2020 17:55	1	F97866.D	Rtx-624 0.25(mm)
STD200 460-705288/9 IC		07/01/2020 18:20	1	F97867.D	Rtx-624 0.25(mm)
STD500 460-705288/10 IC		07/01/2020 18:44	1	F97868.D	Rtx-624 0.25(mm)
ICV 460-705288/16		07/01/2020 21:11	1		Rtx-624 0.25(mm)
ZZZZZ		07/01/2020 21:35	1		Rtx-624 0.25(mm)
ZZZZZ		07/01/2020 21:59	1		Rtx-624 0.25(mm)
ZZZZZ		07/01/2020 23:12	1		Rtx-624 0.25(mm)
ZZZZZ		07/01/2020 23:36	1		Rtx-624 0.25(mm)
ZZZZZ		07/02/2020 00:00	1		Rtx-624 0.25(mm)
ZZZZZ		07/02/2020 02:27	1		Rtx-624 0.25(mm)
ZZZZZ		07/02/2020 02:51	1		Rtx-624 0.25(mm)

GC/MS VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Instrument ID: CVOAMS6 Start Date: 07/07/2020 19:17

Analysis Batch Number: 706558 End Date: 07/08/2020 06:16

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
BFB 460-706558/1		07/07/2020 19:17	1	F98168.D	Rtx-624 0.25(mm)
CCVIS 460-706558/4		07/07/2020 20:29	1	F98171.D	Rtx-624 0.25(mm)
LCS 460-706558/5		07/07/2020 20:54	1	F98172.D	Rtx-624 0.25(mm)
LCSD 460-706558/6		07/07/2020 21:18	1	F98173.D	Rtx-624 0.25(mm)
MB 460-706558/9		07/07/2020 22:32	1	F98176.D	Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 22:56	1		Rtx-624 0.25(mm)
ZZZZZ		07/07/2020 23:21	1		Rtx-624 0.25(mm)
460-212426-1 RA		07/08/2020 00:10	1	F98180.D	Rtx-624 0.25(mm)
460-212426-3 RA		07/08/2020 00:34	1	F98181.D	Rtx-624 0.25(mm)
ZZZZZ		07/08/2020 00:58	1		Rtx-624 0.25(mm)
ZZZZZ		07/08/2020 01:23	1		Rtx-624 0.25(mm)
ZZZZZ		07/08/2020 02:37	1		Rtx-624 0.25(mm)
ZZZZZ		07/08/2020 03:01	1		Rtx-624 0.25(mm)
ZZZZZ		07/08/2020 03:26	1		Rtx-624 0.25(mm)
ZZZZZ		07/08/2020 05:51	1		Rtx-624 0.25(mm)
ZZZZZ		07/08/2020 06:16	50		Rtx-624 0.25(mm)

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Batch Number: 706284 Batch Start Date: 07/06/20 18:32 Batch Analyst: Yallabandi, Gopichand X

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00024	8260ISNEW 00129	8260MIX1COMB 00120	8260SURR250 00209
BFB 460-706284/1		8260C		5 mL	5 mL				
CCVIS 460-706284/3		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-706284/4		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCSD 460-706284/6		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-706284/10		8260C		5 mL	5 mL		1 uL		1 uL
460-212426-B-1	MW-2A	8260C	T	5 mL	5 mL		1 uL		1 uL
460-212426-C-2	MW-7A	8260C	T	5 mL	5 mL		1 uL		1 uL
460-212426-A-3	Dup	8260C	T	5 mL	5 mL		1 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00108	BFB 00026	GASES Li 00375			
BFB 460-706284/1		8260C			1 uL				
CCVIS 460-706284/3		8260C		4 uL		20 uL			
LCS 460-706284/4		8260C		4 uL		20 uL			
LCSD 460-706284/6		8260C		4 uL		20 uL			
MB 460-706284/10		8260C							
460-212426-B-1	MW-2A	8260C	T						
460-212426-C-2	MW-7A	8260C	T						
460-212426-A-3	Dup	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Batch Number: 706392 Batch Start Date: 07/07/20 07:46 Batch Analyst: Moroney, Christopher J

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00024	8260ISNEW 00129	8260MIX1COMB 00120	8260SURR250 00209
BFB 460-706392/1		8260C		5 mL	5 mL				
CCVIS 460-706392/3		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCS 460-706392/4		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
LCSD 460-706392/5		8260C		5 mL	5 mL	20 uL	1 uL	20 uL	1 uL
MB 460-706392/9		8260C		5 mL	5 mL		1 uL		1 uL
460-212426-B-4	TB	8260C	T	5 mL	5 mL		1 uL		1 uL

Lab Sample ID	Client Sample ID	Method Chain	Basis	ACROLEIN W 00108	BFB 00026	GASES Li 00375			
BFB 460-706392/1		8260C			1 uL				
CCVIS 460-706392/3		8260C		4 uL		20 uL			
LCS 460-706392/4		8260C		4 uL		20 uL			
LCSD 460-706392/5		8260C		4 uL		20 uL			
MB 460-706392/9		8260C							
460-212426-B-4	TB	8260C	T						

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Batch Number: 706558 Batch Start Date: 07/07/20 19:17 Batch Analyst: Yallabandi, Gopichand X

Batch Method: 8260C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	524freon 00024	8260MIX1COMB 00120	ACROLEIN W 00108	BFB 00026
BFB 460-706558/1		8260C		5 mL	5 mL				1 uL
CCVIS 460-706558/4		8260C		5 mL	5 mL	20 uL	20 uL	4 uL	
LCS 460-706558/5		8260C		5 mL	5 mL	20 uL	20 uL	4 uL	
LCSD 460-706558/6		8260C		5 mL	5 mL	20 uL	20 uL	4 uL	
MB 460-706558/9		8260C		5 mL	5 mL				
460-212426-C-1	MW-2A	8260C	T	5 mL	5 mL				
460-212426-C-3	Dup	8260C	T	5 mL	5 mL				

Lab Sample ID	Client Sample ID	Method Chain	Basis	GASES Li 00376	VOA6IS/SURR 00036				
BFB 460-706558/1		8260C							
CCVIS 460-706558/4		8260C		20 uL	5 uL				
LCS 460-706558/5		8260C		20 uL	5 uL				
LCSD 460-706558/6		8260C		20 uL	5 uL				
MB 460-706558/9		8260C			5 uL				
460-212426-C-1	MW-2A	8260C	T		5 uL				
460-212426-C-3	Dup	8260C	T		5 uL				

Batch Notes	

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270D

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
MW-2A	460-212426-1	43	28	82	84	97	105
MW-7A	460-212426-2	53	35	100	103	120	111
Dup	460-212426-3	43	28	90	92	101	110
	MB 460-705856/1-A	52	36	95	96	118	126
	LCS 460-705856/2-A	53	36	94	100	119	122
	LCSD 460-705856/3-A	55	36	102	108	128	131

	QC LIMITS
2FP = 2-Fluorophenol	18-72
PHL = Phenol-d5	10-50
NBZ = Nitrobenzene-d5	46-137
FBP = 2-Fluorobiphenyl	42-127
TBP = 2,4,6-Tribromophenol	36-159
TPHL = Terphenyl-d14	39-150

Column to be used to flag recovery values

FORM II 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M133909.D

Lab ID: LCS 460-705856/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4,5-Tetrachlorobenzene	80.0	72.9	91	48-109	
2,2'-oxybis[1-chloropropane]	80.0	56.2	70	38-124	
2,3,4,6-Tetrachlorophenol	80.0	77.9	97	64-123	
2,4,5-Trichlorophenol	80.0	76.2	95	64-110	
2,4,6-Trichlorophenol	80.0	80.3	100	64-115	
2,4-Dichlorophenol	80.0	69.3	87	65-107	
2,4-Dimethylphenol	80.0	64.0	80	59-101	
2,4-Dinitrophenol	160	166	104	36-150	
2,4-Dinitrotoluene	80.0	79.4	99	63-122	
2,6-Dinitrotoluene	80.0	79.2	99	71-118	
2-Chloronaphthalene	80.0	72.0	90	57-102	
2-Chlorophenol	80.0	62.9	79	57-93	
2-Methylnaphthalene	80.0	66.8	83	57-103	
2-Methylphenol	80.0	51.6	65	45-86	
2-Nitroaniline	80.0	56.4	71	54-123	
2-Nitrophenol	80.0	73.1	91	60-126	
3,3'-Dichlorobenzidine	80.0	88.4	110	59-125	
3-Nitroaniline	80.0	68.0	85	57-110	
4,6-Dinitro-2-methylphenol	160	165	103	69-149	
4-Bromophenyl phenyl ether	80.0	82.8	103	65-115	
4-Chloro-3-methylphenol	80.0	63.9	80	60-107	
4-Chloroaniline	80.0	62.7	78	43-105	
4-Chlorophenyl phenyl ether	80.0	74.8	93	60-113	
4-Methylphenol	80.0	46.5	58	37-86	
4-Nitroaniline	80.0	69.5	87	52-122	
4-Nitrophenol	160	58.9	37	17-61	
Acenaphthene	80.0	69.7	87	54-108	
Acenaphthylene	80.0	73.4	92	64-102	
Acetophenone	80.0	64.5	81	65-109	
Anthracene	80.0	76.9	96	69-110	
Atrazine	40.0	64.7	162	10-150	*
Benzaldehyde	40.0	51.8	130	47-134	
Benzo[a]anthracene	80.0	78.3	98	71-114	
Benzo[a]pyrene	80.0	82.8	104	67-106	
Benzo[b]fluoranthene	80.0	83.2	104	65-113	
Benzo[g,h,i]perylene	80.0	75.3	94	48-145	
Benzo[k]fluoranthene	80.0	83.6	105	66-116	
Bis(2-chloroethoxy)methane	80.0	67.4	84	64-114	
Bis(2-chloroethyl)ether	80.0	67.2	84	57-112	
Bis(2-ethylhexyl) phthalate	80.0	73.6	92	60-135	
Butyl benzyl phthalate	80.0	74.5	93	63-126	
Caprolactam	40.0	13.5	34	10-60	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M133909.D

Lab ID: LCS 460-705856/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Carbazole	80.0	75.3	94	68-113	
Chrysene	80.0	76.8	96	74-122	
Dibenz(a,h)anthracene	80.0	76.7	96	57-144	
Dibenzofuran	80.0	72.1	90	65-104	
Diethyl phthalate	80.0	72.8	91	65-105	
Dimethyl phthalate	80.0	74.5	93	68-105	
Di-n-butyl phthalate	80.0	74.3	93	66-113	
Di-n-octyl phthalate	80.0	73.0	91	40-133	
Diphenyl	80.0	70.5	88	59-102	
Fluoranthene	80.0	79.8	100	66-116	
Fluorene	80.0	72.9	91	64-108	
Hexachlorobenzene	80.0	81.9	102	59-129	
Hexachlorobutadiene	80.0	67.1	84	33-98	
Hexachlorocyclopentadiene	80.0	59.7	75	14-97	
Hexachloroethane	80.0	59.4	74	27-94	
Indeno[1,2,3-cd]pyrene	80.0	80.3	100	55-139	
Isophorone	80.0	69.0	86	64-113	
Naphthalene	80.0	67.3	84	56-99	
Nitrobenzene	80.0	67.9	85	67-109	
N-Nitrosodi-n-propylamine	80.0	63.1	79	60-111	
N-Nitrosodiphenylamine	80.0	77.0	96	67-110	
Pentachlorophenol	160	170	106	57-135	
Phenanthrene	80.0	75.6	94	69-108	
Phenol	80.0	25.6	32	20-53	
Pyrene	80.0	75.5	94	66-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M133910.D

Lab ID: LCSD 460-705856/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4,5-Tetrachlorobenzene	80.0	78.4	98	7	30	48-109	
2,2'-oxybis[1-chloropropane]	80.0	58.7	73	4	30	38-124	
2,3,4,6-Tetrachlorophenol	80.0	81.4	102	4	30	64-123	
2,4,5-Trichlorophenol	80.0	79.0	99	4	30	64-110	
2,4,6-Trichlorophenol	80.0	83.5	104	4	30	64-115	
2,4-Dichlorophenol	80.0	74.1	93	7	30	65-107	
2,4-Dimethylphenol	80.0	68.0	85	6	30	59-101	
2,4-Dinitrophenol	160	177	111	6	30	36-150	
2,4-Dinitrotoluene	80.0	83.2	104	5	30	63-122	
2,6-Dinitrotoluene	80.0	84.3	105	6	30	71-118	
2-Chloronaphthalene	80.0	76.0	95	5	30	57-102	
2-Chlorophenol	80.0	65.5	82	4	30	57-93	
2-Methylnaphthalene	80.0	72.1	90	8	30	57-103	
2-Methylphenol	80.0	54.3	68	5	30	45-86	
2-Nitroaniline	80.0	59.3	74	5	30	54-123	
2-Nitrophenol	80.0	79.1	99	8	30	60-126	
3,3'-Dichlorobenzidine	80.0	92.2	115	4	30	59-125	
3-Nitroaniline	80.0	71.3	89	5	30	57-110	
4,6-Dinitro-2-methylphenol	160	176	110	7	30	69-149	
4-Bromophenyl phenyl ether	80.0	88.4	111	7	30	65-115	
4-Chloro-3-methylphenol	80.0	67.4	84	5	30	60-107	
4-Chloroaniline	80.0	68.1	85	8	30	43-105	
4-Chlorophenyl phenyl ether	80.0	79.2	99	6	30	60-113	
4-Methylphenol	80.0	48.7	61	5	30	37-86	
4-Nitroaniline	80.0	73.3	92	5	30	52-122	
4-Nitrophenol	160	58.7	37	0	30	17-61	
Acenaphthene	80.0	73.9	92	6	30	54-108	
Acenaphthylene	80.0	77.2	96	5	30	64-102	
Acetophenone	80.0	68.1	85	5	30	65-109	
Anthracene	80.0	81.1	101	5	30	69-110	
Atrazine	40.0	97.9	245	41	30	10-150	* *1
Benzaldehyde	40.0	82.5	206	46	30	47-134	* *1
Benzo[a]anthracene	80.0	83.5	104	6	30	71-114	
Benzo[a]pyrene	80.0	88.1	110	6	30	67-106	*
Benzo[b]fluoranthene	80.0	89.0	111	7	30	65-113	
Benzo[g,h,i]perylene	80.0	81.3	102	8	30	48-145	
Benzo[k]fluoranthene	80.0	89.0	111	6	30	66-116	
Bis(2-chloroethoxy)methane	80.0	70.5	88	5	30	64-114	
Bis(2-chloroethyl)ether	80.0	71.7	90	6	30	57-112	
Bis(2-ethylhexyl) phthalate	80.0	78.9	99	7	30	60-135	
Butyl benzyl phthalate	80.0	80.0	100	7	30	63-126	
Caprolactam	40.0	21.6	54	46	30	10-60	*1

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Matrix: Water Level: Low Lab File ID: M133910.D

Lab ID: LCSD 460-705856/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Carbazole	80.0	78.5	98	4	30	68-113	
Chrysene	80.0	82.3	103	7	30	74-122	
Dibenz(a,h)anthracene	80.0	86.4	108	12	30	57-144	
Dibenzofuran	80.0	76.4	96	6	30	65-104	
Diethyl phthalate	80.0	76.0	95	4	30	65-105	
Dimethyl phthalate	80.0	76.6	96	3	30	68-105	
Di-n-butyl phthalate	80.0	79.0	99	6	30	66-113	
Di-n-octyl phthalate	80.0	78.0	98	7	30	40-133	
Diphenyl	80.0	74.7	93	6	30	59-102	
Fluoranthene	80.0	84.9	106	6	30	66-116	
Fluorene	80.0	76.1	95	4	30	64-108	
Hexachlorobenzene	80.0	86.9	109	6	30	59-129	
Hexachlorobutadiene	80.0	72.7	91	8	30	33-98	
Hexachlorocyclopentadiene	80.0	65.2	82	9	30	14-97	
Hexachloroethane	80.0	64.1	80	8	30	27-94	
Indeno[1,2,3-cd]pyrene	80.0	86.7	108	8	30	55-139	
Isophorone	80.0	73.4	92	6	30	64-113	
Naphthalene	80.0	71.8	90	7	30	56-99	
Nitrobenzene	80.0	72.8	91	7	30	67-109	
N-Nitrosodi-n-propylamine	80.0	67.2	84	6	30	60-111	
N-Nitrosodiphenylamine	80.0	81.6	102	6	30	67-110	
Pentachlorophenol	160	178	111	4	30	57-135	
Phenanthrene	80.0	80.0	100	6	30	69-108	
Phenol	80.0	25.4	32	1	30	20-53	
Pyrene	80.0	80.8	101	7	30	66-121	

Column to be used to flag recovery and RPD values

FORM III 8270D

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: M133908.D Lab Sample ID: MB 460-705856/1-A

Matrix: Water Date Extracted: 07/04/2020 07:59

Instrument ID: CBNAMS17 Date Analyzed: 07/04/2020 20:58

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-705856/2-A	M133909.D	07/04/2020 21:19
	LCSD 460-705856/3-A	M133910.D	07/04/2020 21:40
MW-2A	460-212426-1	M133913.D	07/04/2020 22:42
MW-7A	460-212426-2	M133914.D	07/04/2020 23:03
Dup	460-212426-3	M133915.D	07/04/2020 23:24

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: M132027.D DFTPP Injection Date: 04/20/2020

Instrument ID: CBNAMS17 DFTPP Injection Time: 10:56

Analysis Batch No.: 688773

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	57.7	
68	Less than 2% of mass 69	0.9	(1.8) 1
69	Mass 69 Relative abundance	50.6	
70	Less than 2% of mass 69	0.4	(0.7) 1
127	10-80% of Base Peak	48.2	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.9	
275	10-60% of Base Peak	23.4	
365	Greater than 1% of mass 198	3.2	
441	present but less than 24% of mass 442	15.3	(17.3) 2
442	Greater than 50% of mass 198	88.7	
443	15-24% of mass 442	18.2	(20.6) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-688773/2	M132028.D	04/20/2020	11:12
	STD24 460-688773/3	M132029.D	04/20/2020	11:33
	STD16 460-688773/4	M132030.D	04/20/2020	11:54
	STD4 460-688773/5	M132031.D	04/20/2020	12:16
	STD2 460-688773/6	M132032.D	04/20/2020	12:37
	STD1 460-688773/7	M132033.D	04/20/2020	12:58
	STD02 460-688773/8	M132034.D	04/20/2020	13:19
	STD01 460-688773/9	M132035.D	04/20/2020	13:39

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab File ID: M133905.D DFTPP Injection Date: 07/04/2020

Instrument ID: CBNAMS17 DFTPP Injection Time: 19:52

Analysis Batch No.: 705963

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10-80% of Base Peak	40.1	
68	Less than 2% of mass 69	0.0	(0.0) 1
69	Mass 69 Relative abundance	39.5	
70	Less than 2% of mass 69	0.0	(0.0) 1
127	10-80% of Base Peak	42.6	
197	Less than 2% of mass 198	0.0	
198	Base peak	100.0	
199	5-9% of mass 198	6.7	
275	10-60% of Base Peak	26.9	
365	Greater than 1% of mass 198	3.7	
441	present but less than 24% of mass 442	20.1	(16.1) 2
442	Greater than 50% of mass 198	124.6	
443	15-24% of mass 442	24.8	(19.9) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 460-705963/2	M133906.D	07/04/2020	20:14
	MB 460-705856/1-A	M133908.D	07/04/2020	20:58
	LCS 460-705856/2-A	M133909.D	07/04/2020	21:19
	LCSD 460-705856/3-A	M133910.D	07/04/2020	21:40
MW-2A	460-212426-1	M133913.D	07/04/2020	22:42
MW-7A	460-212426-2	M133914.D	07/04/2020	23:03
Dup	460-212426-3	M133915.D	07/04/2020	23:24

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Sample No.: CCVIS 460-705963/2 Date Analyzed: 07/04/2020 20:14

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): M133906.D Heated Purge: (Y/N) N

Calibration ID: 79419

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		66217	3.62	247696	4.92	136130	6.69
UPPER LIMIT		132434	4.12	495392	5.42	272260	7.19
LOWER LIMIT		33109	3.12	123848	4.42	68065	6.19
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-705856/1-A		78994	3.62	293437	4.92	163819	6.68
LCS 460-705856/2-A		82866	3.62	305686	4.92	162192	6.68
LCSD 460-705856/3-A		88853	3.62	327655	4.92	176555	6.68
460-212426-1	MW-2A	87849	3.62	336333	4.92	186550	6.68
460-212426-2	MW-7A	85901	3.62	317617	4.92	174329	6.68
460-212426-3	Dup	82973	3.62	309810	4.92	171922	6.68

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Sample No.: CCVIS 460-705963/2 Date Analyzed: 07/04/2020 20:14

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): M133906.D Heated Purge: (Y/N) N

Calibration ID: 79419

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		231227	8.14	175678	10.78	180205	12.51
UPPER LIMIT		462454	8.64	351356	11.28	360410	13.01
LOWER LIMIT		115614	7.64	87839	10.28	90103	12.01
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-705856/1-A		300549	8.14	204272	10.77	196664	12.51
LCS 460-705856/2-A		270198	8.14	205896	10.77	217152	12.51
LCSD 460-705856/3-A		292776	8.14	223910	10.78	236327	12.51
460-212426-1	MW-2A	326937	8.14	228583	10.77	226752	12.51
460-212426-2	MW-7A	297989	8.14	208857	10.77	214091	12.51
460-212426-3	Dup	307075	8.14	214314	10.77	212640	12.51

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270D

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A Lab Sample ID: 460-212426-1

Matrix: Water Lab File ID: M133913.D

Analysis Method: 8270D Date Collected: 06/30/2020 10:10

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 22:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U * *1	2.0	1.3
100-52-7	Benzaldehyde	2.1	U * *1	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A Lab Sample ID: 460-212426-1

Matrix: Water Lab File ID: M133913.D

Analysis Method: 8270D Date Collected: 06/30/2020 10:10

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 22:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U *	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *1	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
92-52-4	Diphenyl	1.2	U	10	1.2
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	2.0	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A Lab Sample ID: 460-212426-1

Matrix: Water Lab File ID: M133913.D

Analysis Method: 8270D Date Collected: 06/30/2020 10:10

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 22:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	1.0	U	1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	97		36-159
321-60-8	2-Fluorobiphenyl	84		42-127
367-12-4	2-Fluorophenol	43		18-72
4165-60-0	Nitrobenzene-d5	82		46-137
4165-62-2	Phenol-d5	28		10-50
1718-51-0	Terphenyl-d14	105		39-150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-2A Lab Sample ID: 460-212426-1

Matrix: Water Lab File ID: M133913.D

Analysis Method: 8270D Date Collected: 06/30/2020 10:10

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 22:42

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

Number TICs Found: 1 TIC Result Total: 7.5

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
496-11-7	Indane	3.80	7.5	J N	94%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133913.D
Lims ID: 460-212426-D-1-A
Client ID: MW-2A
Sample Type: Client
Inject. Date: 04-Jul-2020 22:42:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0112716-009
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 07-Jul-2020 09:53:53 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1034

First Level Reviewer: hamziy Date: 04-Jul-2020 23:44:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.414	2.418	-0.004	95	61739	4.28	
$ 6 Phenol-d5	99	3.304	3.311	-0.007	97	52034	2.82	
* 14 1,4-Dichlorobenzene-d4	152	3.617	3.624	-0.007	96	87849	8.00	
$ 27 Nitrobenzene-d5	82	4.188	4.195	-0.007	91	143031	8.20	
* 38 Naphthalene-d8	136	4.915	4.920	-0.005	100	336333	8.00	
$ 51 2-Fluorobiphenyl	172	6.025	6.031	-0.006	97	292877	8.45	
* 64 Acenaphthene-d10	164	6.679	6.686	-0.007	97	186550	8.00	
$ 80 2,4,6-Tribromophenol	330	7.464	7.468	-0.004	92	57694	9.71	
* 87 Phenanthrene-d10	188	8.140	8.142	-0.002	99	326937	8.00	
$ 96 Terphenyl-d14	244	9.719	9.722	-0.003	98	318254	10.5	
* 102 Chrysene-d12	240	10.772	10.778	-0.006	99	228583	8.00	
* 109 Perylene-d12	264	12.508	12.511	-0.003	98	226752	8.00	

Reagents:

SM_ISTD_LVI_00191 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133913.D				
Lims ID:	460-212426-D-1-A				
Client ID:	MW-2A				
Sample Type:	Client				
Inject. Date:	04-Jul-2020 22:42:30	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0112716-009				
Operator ID:		Instrument ID:	CBNAMS17		
Method:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m				
Limit Group:	SV 8270D ICAL				
Last Update:	07-Jul-2020 09:53:53	Calib Date:	20-Apr-2020 13:39:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Edison\Database\NIST02.L				
Min. Match:	80				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1034				
First Level Reviewer: hamziy		Date:	04-Jul-2020 23:44:27		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
496-11-7 Indane								
3.799	61977	0.9335	14	94	8676	C9H10	118	

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 14 1,4-Dichlorobenzene-d4	3.617	531126	8.00

QC Flag Legend

Processing Flags

Reagents:

SM_ISTD_LVI_00191 Amount Added: 20.00 Units: uL Run Reagent

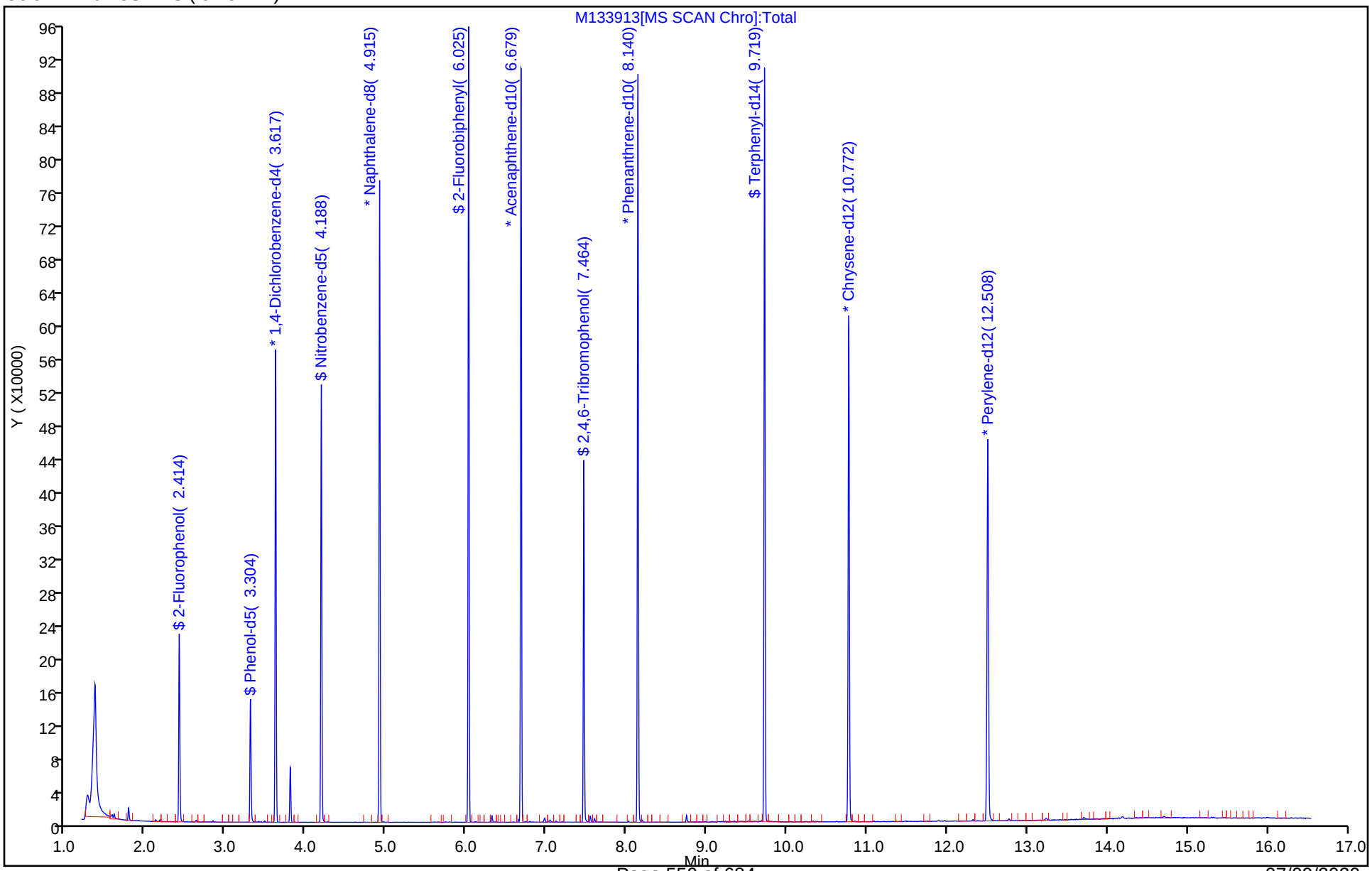
Report Date: 07-Jul-2020 09:59:45 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133913.D

Injection Date:	04-Jul-2020 22:42:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	460-212426-D-1-A	Lab Sample ID:	460-212426-1	Worklist Smp#:	9
Client ID:	MW-2A				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



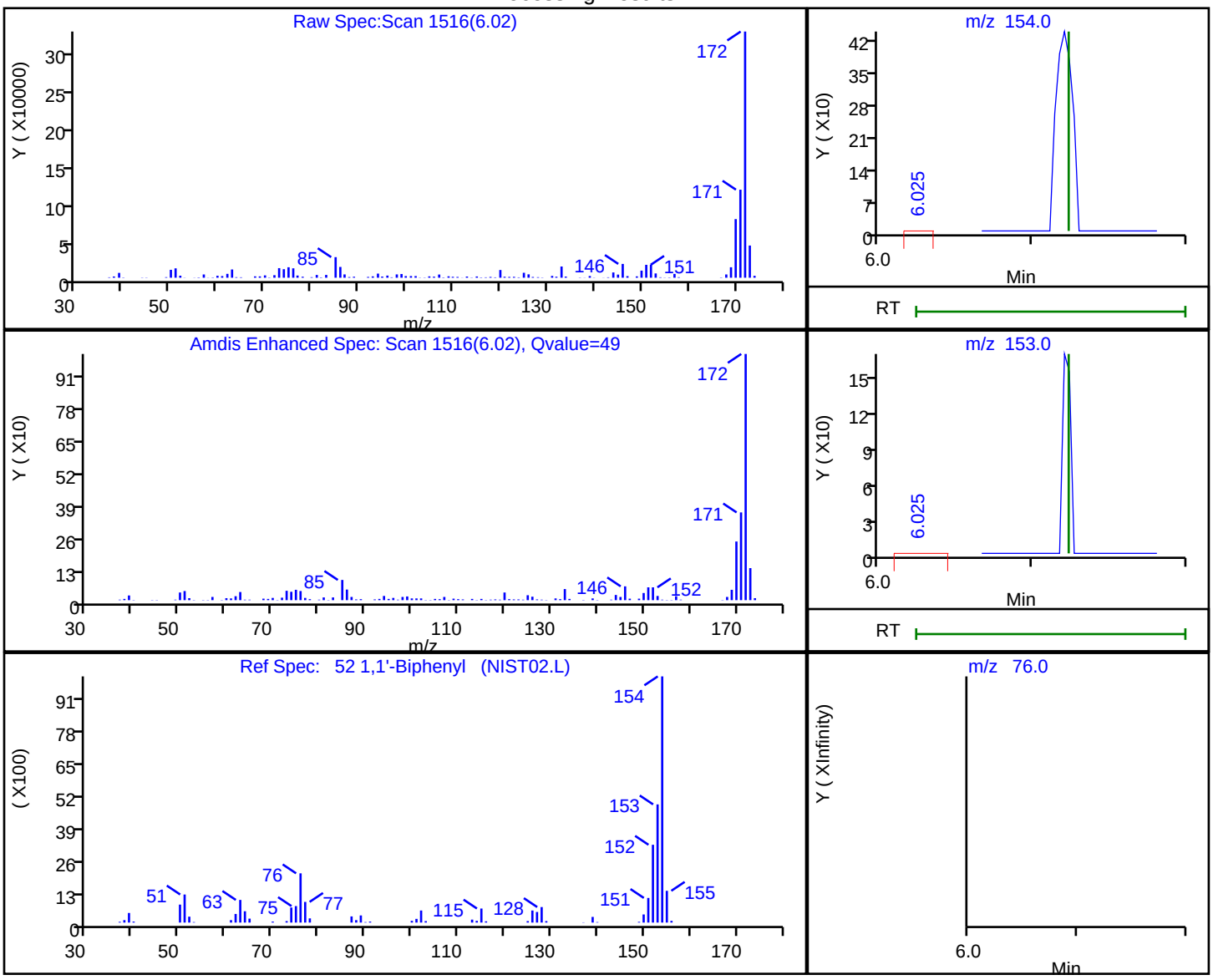
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133913.D				
Injection Date:	04-Jul-2020 22:42:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-1-A	Lab Sample ID:	460-212426-1		
Client ID:	MW-2A				
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.02	154.00	420	0.011250
6.02	153.00	4989	
6.02	76.00	11026	

Reviewer: hamziy, 04-Jul-2020 23:44:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Report Date: 07-Jul-2020 09:59:45 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133913.D

Injection Date: 04-Jul-2020 22:42:30 Instrument ID: CBNAMS17

Lims ID: 460-212426-D-1-A Lab Sample ID: 460-212426-1

Client ID: MW-2A

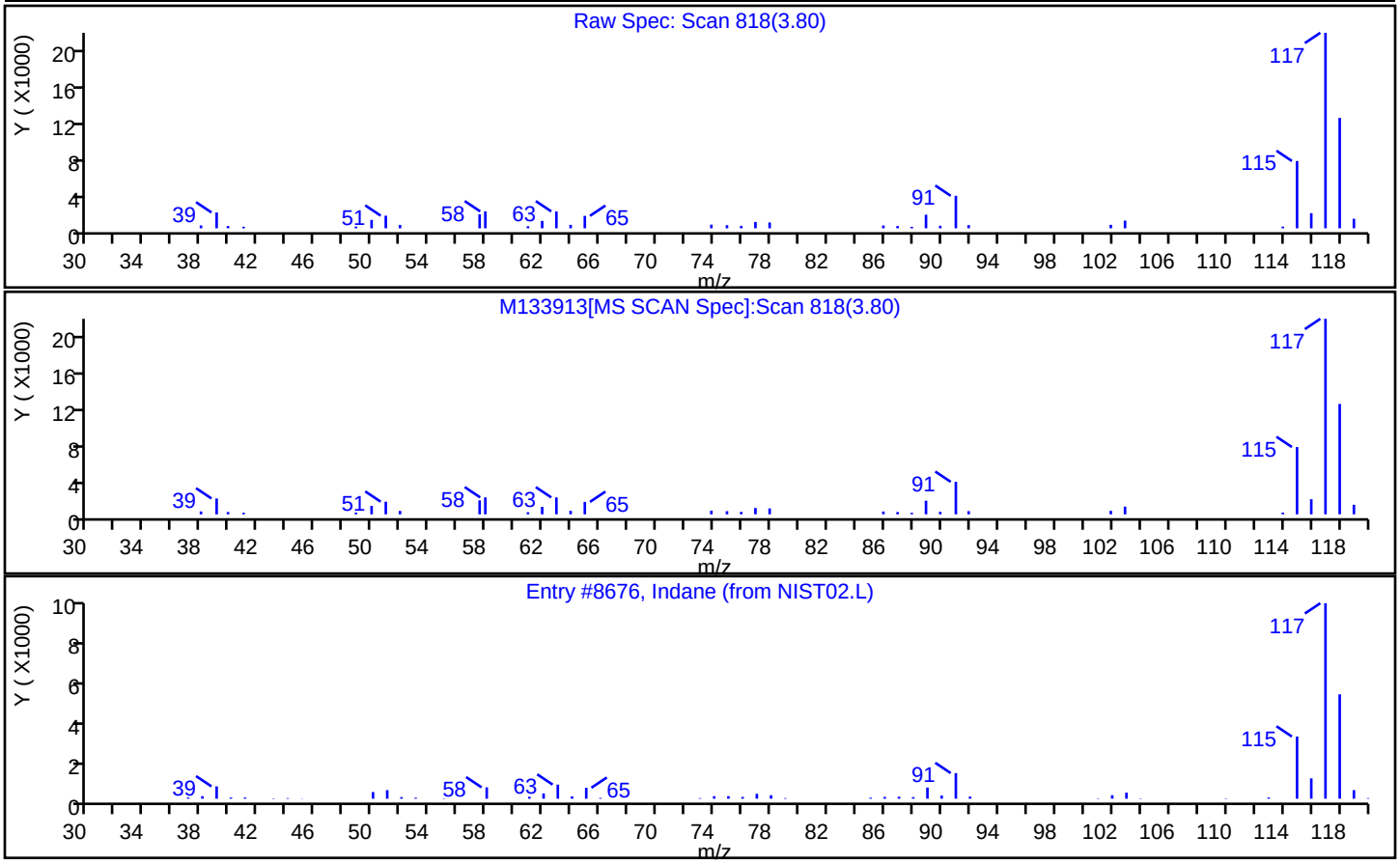
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 5.0 ul Dil. Factor: 1.0000

Method: 8270LVI_17 Limit Group: SV 8270D ICAL

Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Indane	496-11-7	NIST02.L	8676	C9H10	118	94



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-7A Lab Sample ID: 460-212426-2

Matrix: Water Lab File ID: M133914.D

Analysis Method: 8270D Date Collected: 06/30/2020 11:35

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 23:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	38		10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	4.6	J	10	0.63
1912-24-9	Atrazine	1.3	U * *1	2.0	1.3
100-52-7	Benzaldehyde	2.1	U * *1	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-7A Lab Sample ID: 460-212426-2

Matrix: Water Lab File ID: M133914.D

Analysis Method: 8270D Date Collected: 06/30/2020 11:35

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 23:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U *	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *1	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	7.3	J	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
92-52-4	Diphenyl	1.2	U	10	1.2
206-44-0	Fluoranthene	5.0	J	10	0.84
86-73-7	Fluorene	15		10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	2.0	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	20		10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	4.0	J	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-7A Lab Sample ID: 460-212426-2

Matrix: Water Lab File ID: M133914.D

Analysis Method: 8270D Date Collected: 06/30/2020 11:35

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 23:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	1.0	U	1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	120		36-159
321-60-8	2-Fluorobiphenyl	103		42-127
367-12-4	2-Fluorophenol	53		18-72
4165-60-0	Nitrobenzene-d5	100		46-137
4165-62-2	Phenol-d5	35		10-50
1718-51-0	Terphenyl-d14	111		39-150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: MW-7A Lab Sample ID: 460-212426-2

Matrix: Water Lab File ID: M133914.D

Analysis Method: 8270D Date Collected: 06/30/2020 11:35

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 23:03

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D
Lims ID: 460-212426-D-2-A
Client ID: MW-7A
Sample Type: Client
Inject. Date: 04-Jul-2020 23:03:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0112716-010
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 07-Jul-2020 10:00:45 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1034

First Level Reviewer: hamziy Date: 04-Jul-2020 23:44:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.414	2.418	-0.004	95	75408	5.35	
$ 6 Phenol-d5	99	3.304	3.311	-0.007	97	62394	3.46	
* 14 1,4-Dichlorobenzene-d4	152	3.617	3.624	-0.007	97	85901	8.00	
$ 27 Nitrobenzene-d5	82	4.188	4.195	-0.007	90	164763	10.0	
* 38 Naphthalene-d8	136	4.915	4.920	-0.005	100	317617	8.00	
$ 51 2-Fluorobiphenyl	172	6.026	6.031	-0.005	97	332851	10.3	
* 64 Acenaphthene-d10	164	6.680	6.686	-0.006	96	174329	8.00	
66 Acenaphthene	154	6.712	6.717	-0.005	96	121181	4.72	
70 Dibenzofuran	168	6.885	6.890	-0.005	96	36300	0.9177	
75 Fluorene	166	7.223	7.225	-0.002	94	57543	1.93	
$ 80 2,4,6-Tribromophenol	330	7.466	7.468	-0.002	93	66771	12.0	
* 87 Phenanthrene-d10	188	8.140	8.142	-0.002	99	297989	8.00	
88 Phenanthrene	178	8.162	8.168	-0.006	97	105575	2.48	
89 Anthracene	178	8.210	8.215	-0.005	98	24697	0.5719	
92 Fluoranthene	202	9.324	9.329	-0.005	97	25616	0.6259	
94 Pyrene	202	9.541	9.546	-0.005	96	20004	0.4947	
$ 96 Terphenyl-d14	244	9.720	9.722	-0.002	98	305717	11.1	
* 102 Chrysene-d12	240	10.770	10.778	-0.008	99	208857	8.00	
* 109 Perylene-d12	264	12.506	12.511	-0.005	99	214091	8.00	

Reagents:

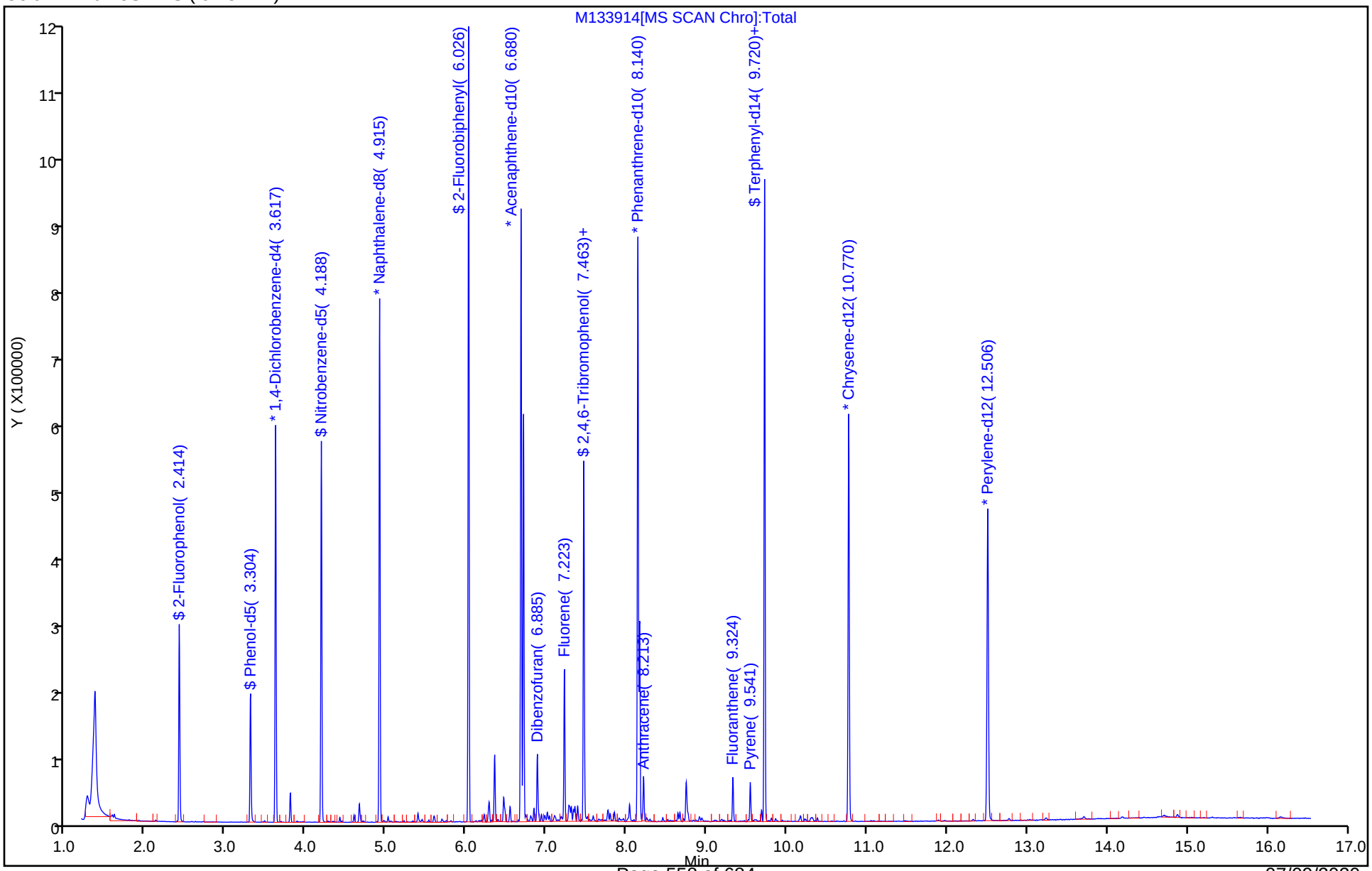
SM_ISTD_LVI_00191 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Jul-2020 10:00:46 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2	Worklist Smp#:	10
Client ID:	MW-7A				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

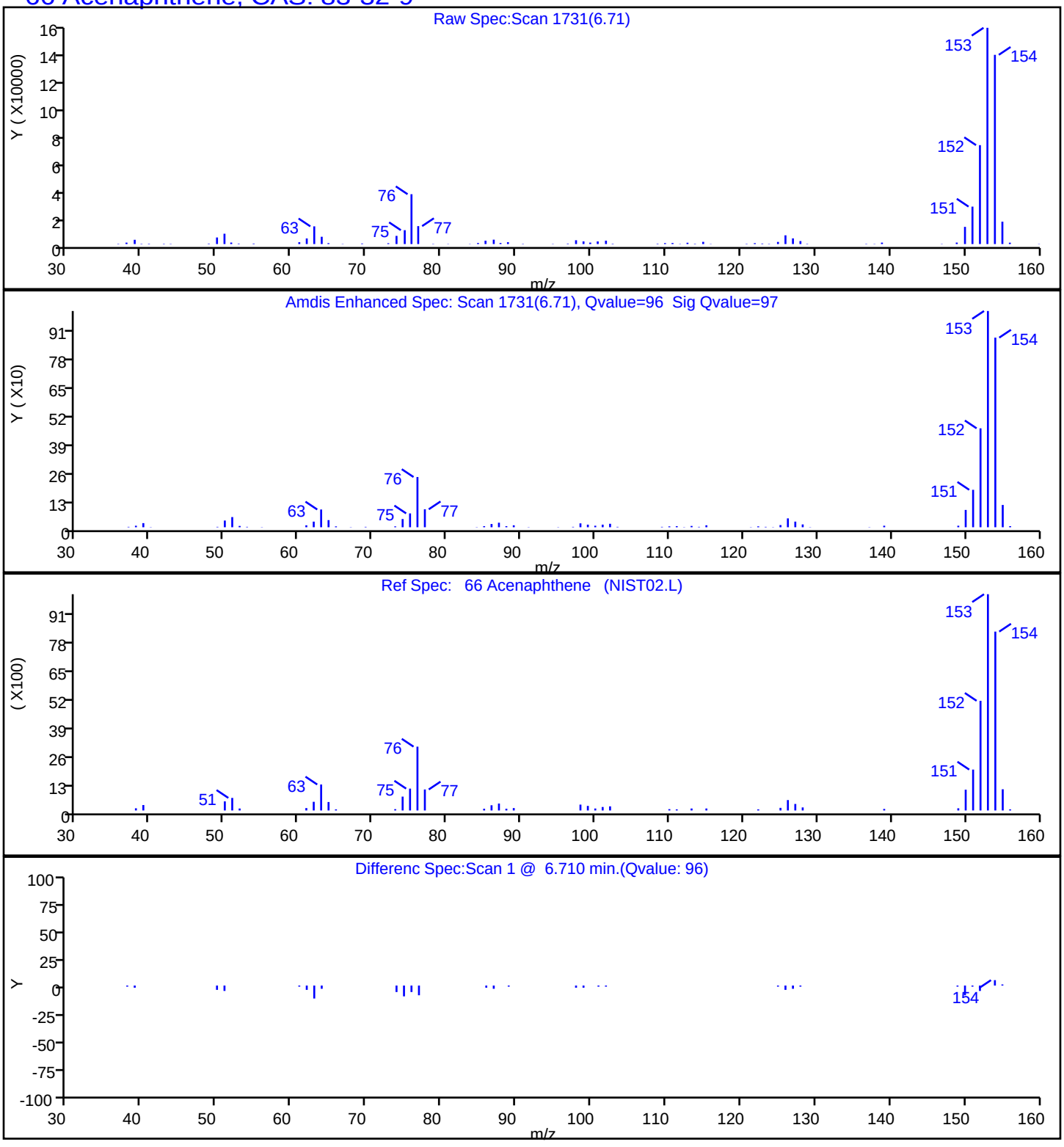
Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

66 Acenaphthene, CAS: 83-32-9

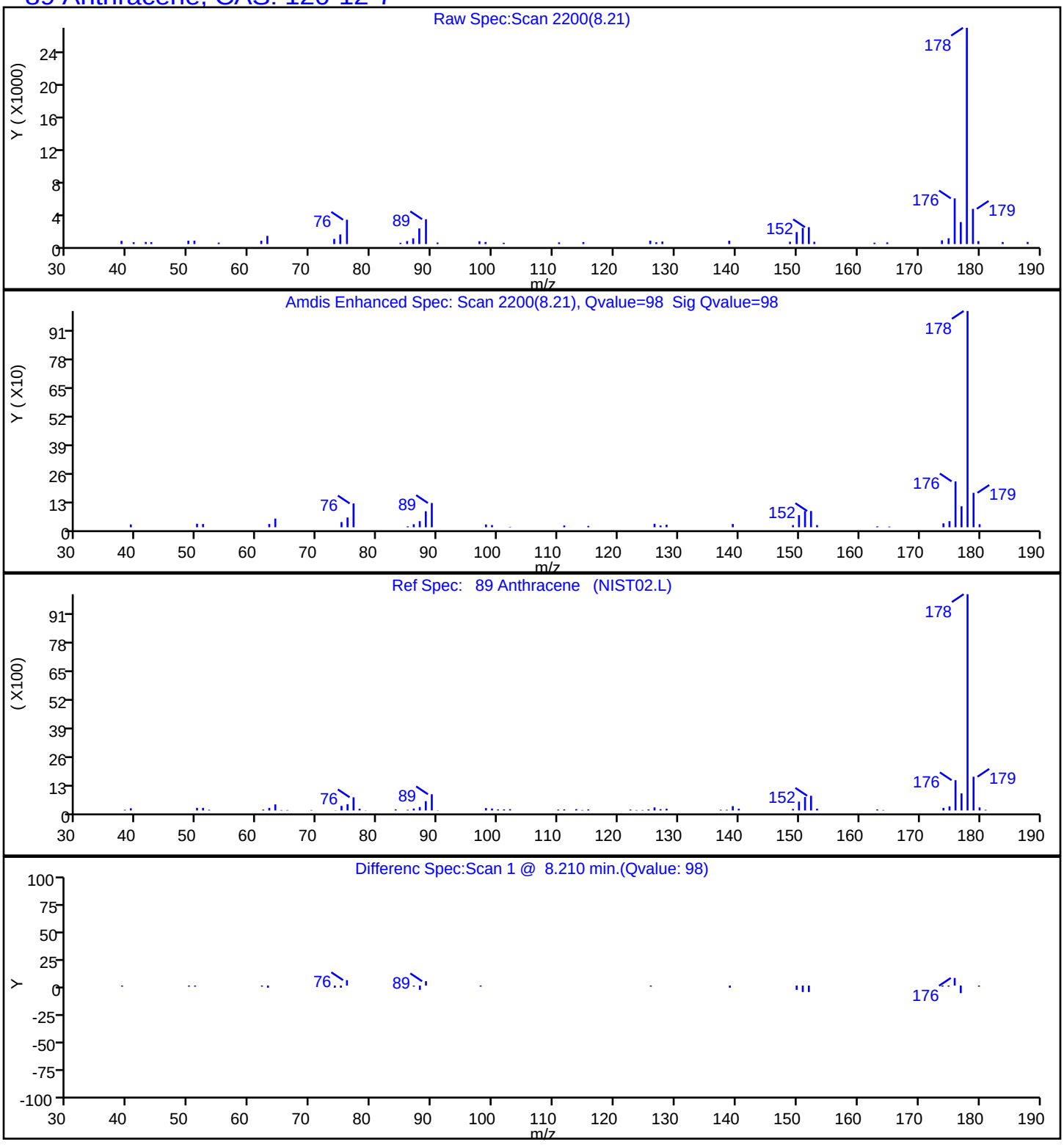


Report Date: 07-Jul-2020 10:00:46 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

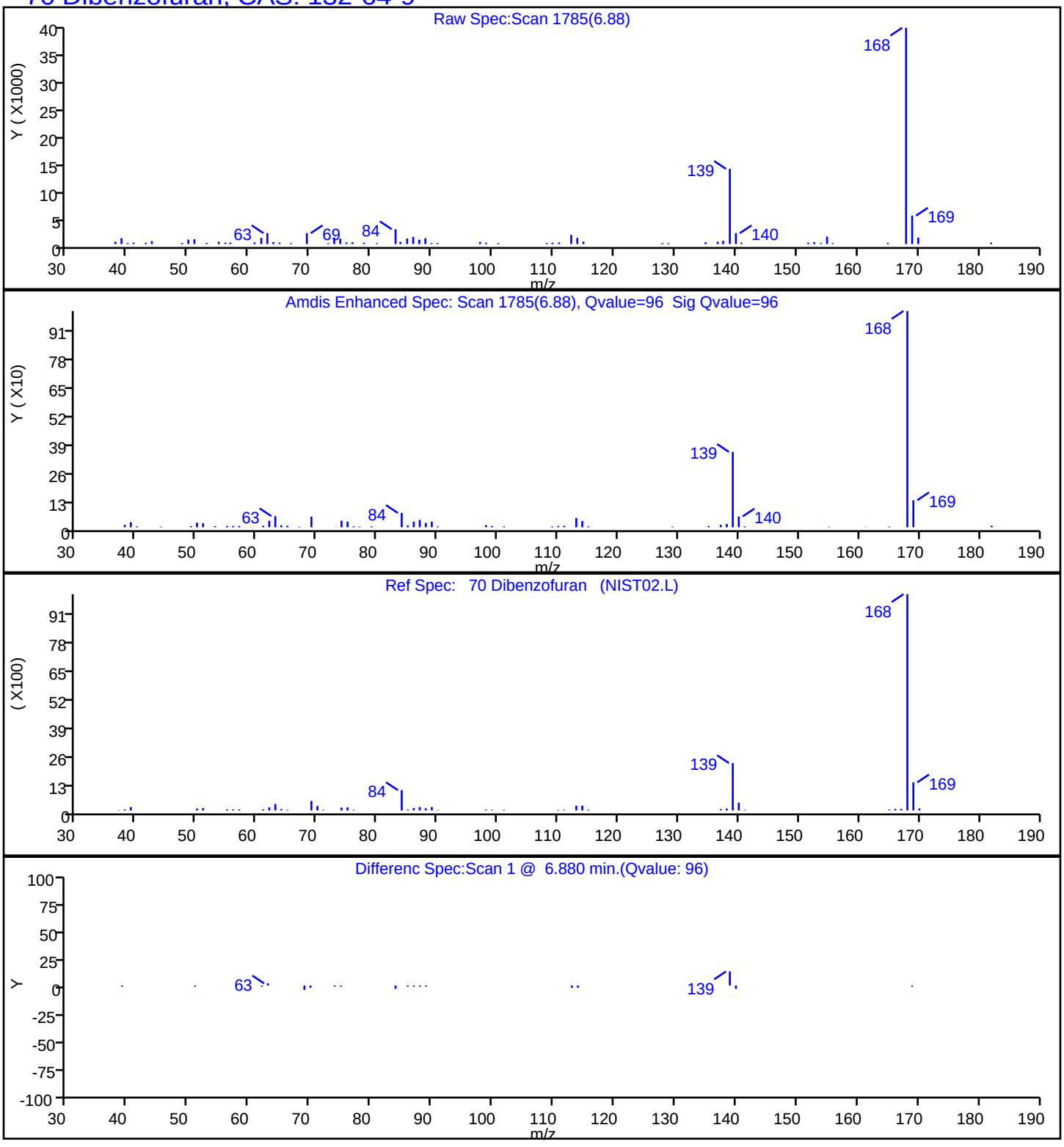
89 Anthracene, CAS: 120-12-7



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Dibenzofuran, CAS: 132-64-9

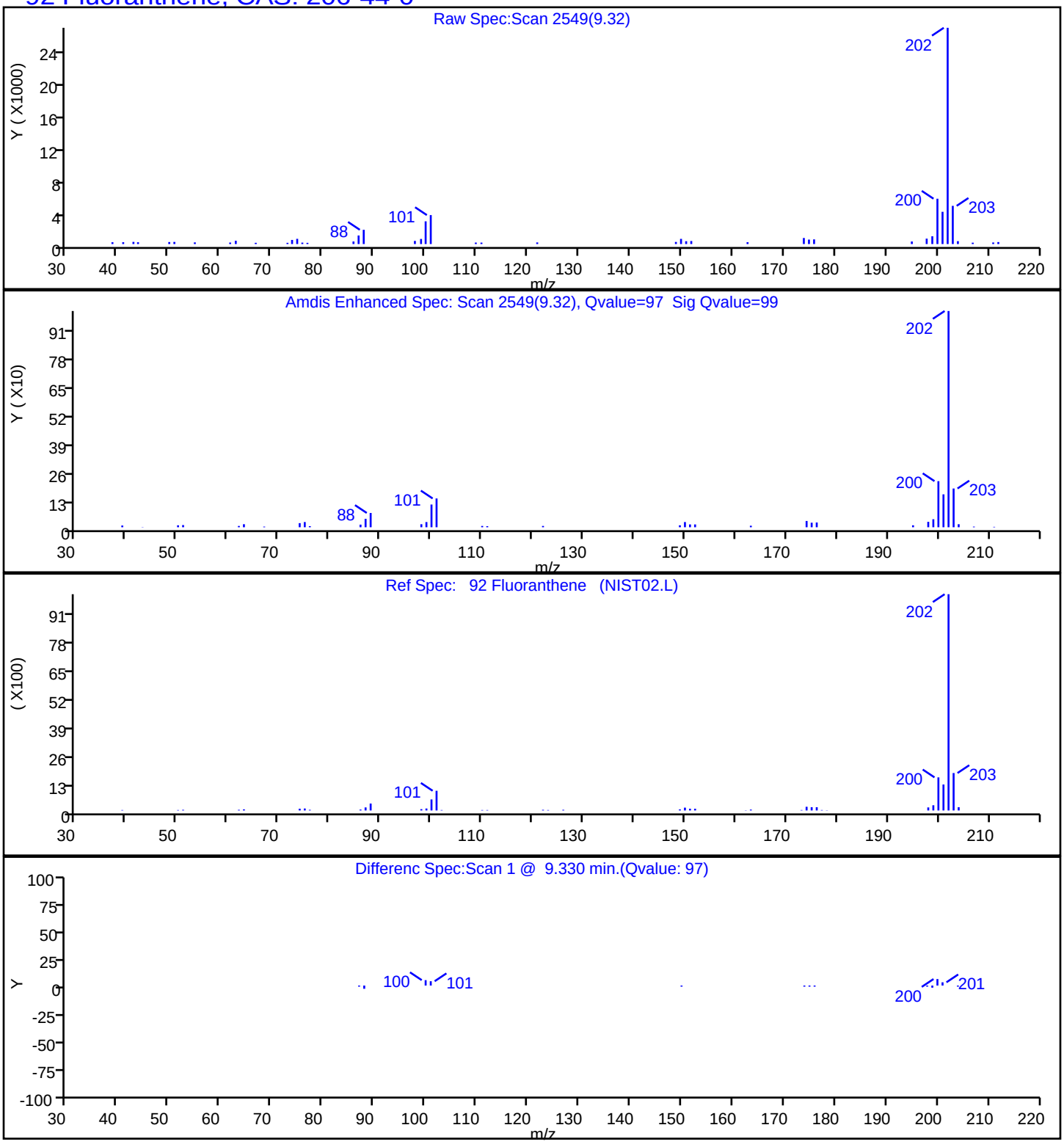


Report Date: 07-Jul-2020 10:00:46 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

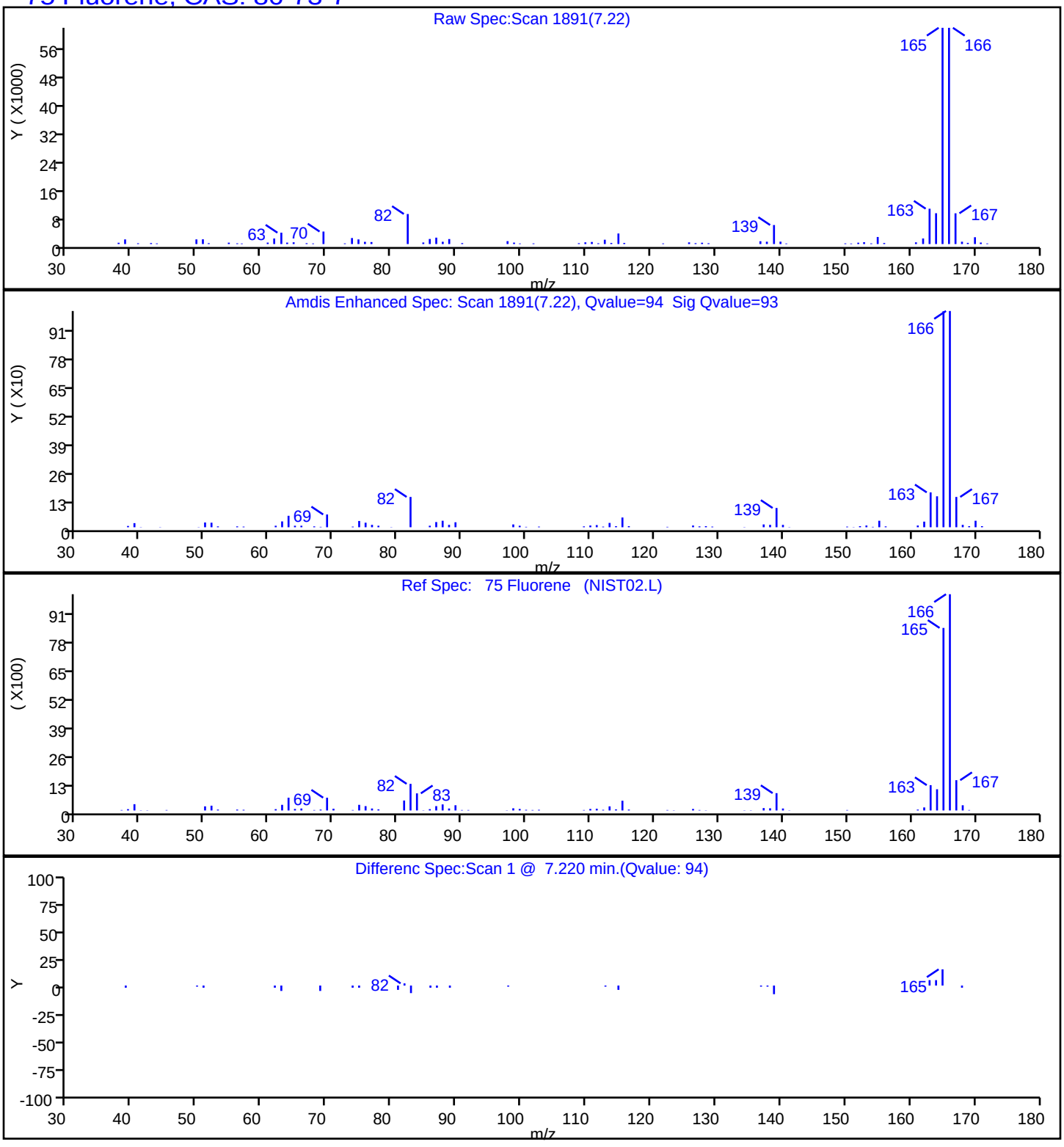
92 Fluoranthene, CAS: 206-44-0



Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

75 Fluorene, CAS: 86-73-7

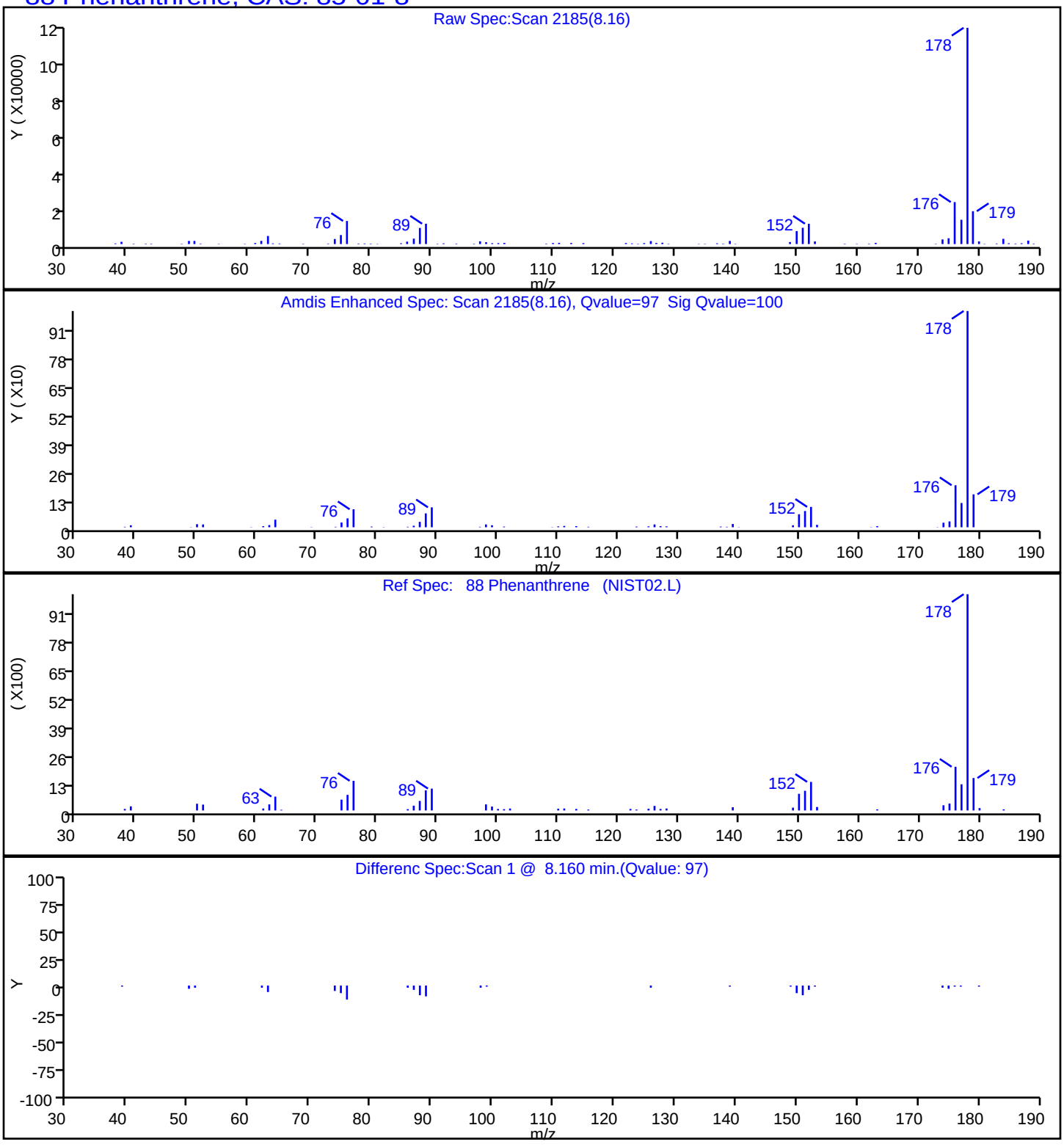


Report Date: 07-Jul-2020 10:00:46 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8

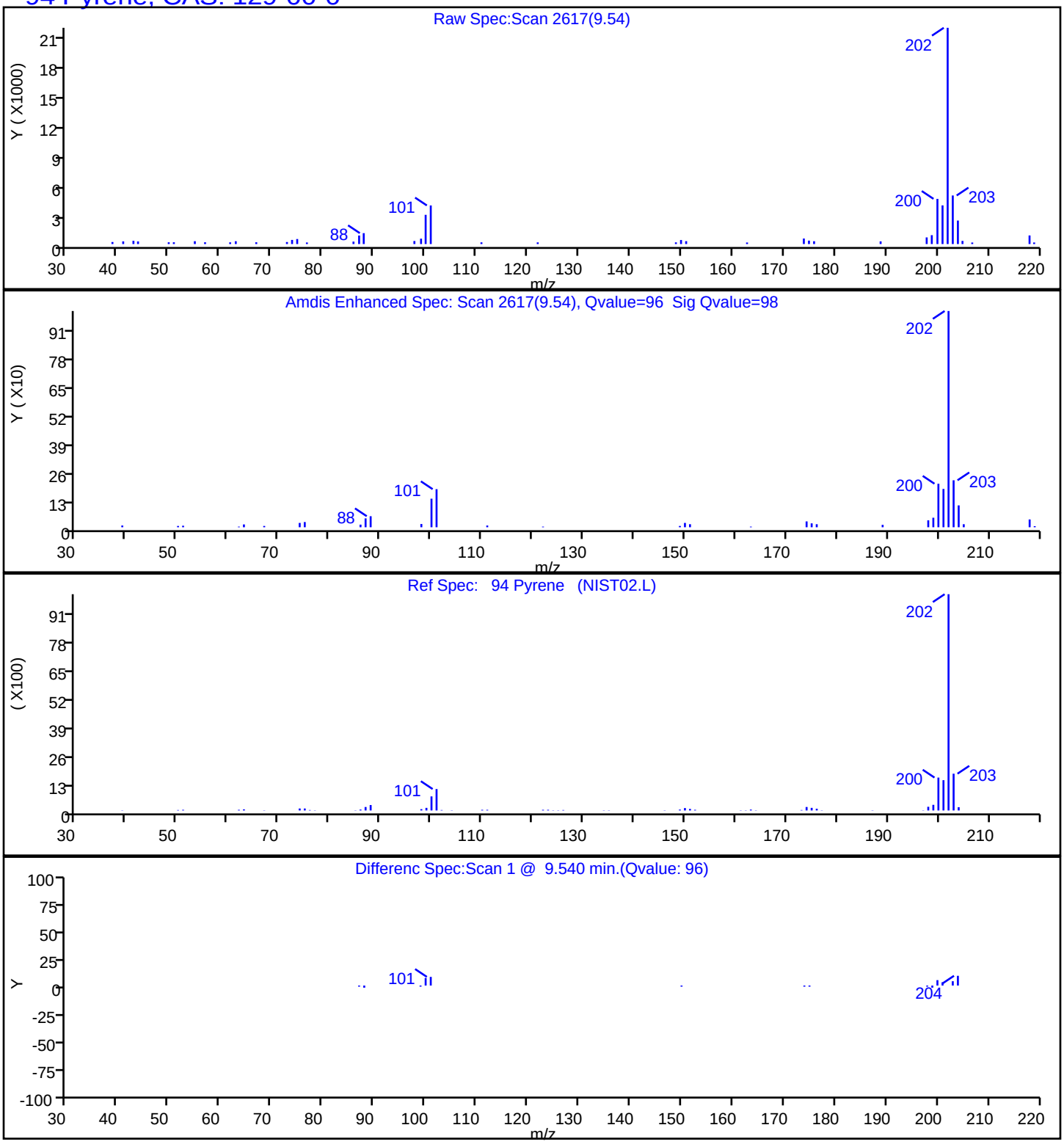


Report Date: 07-Jul-2020 10:00:46 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0



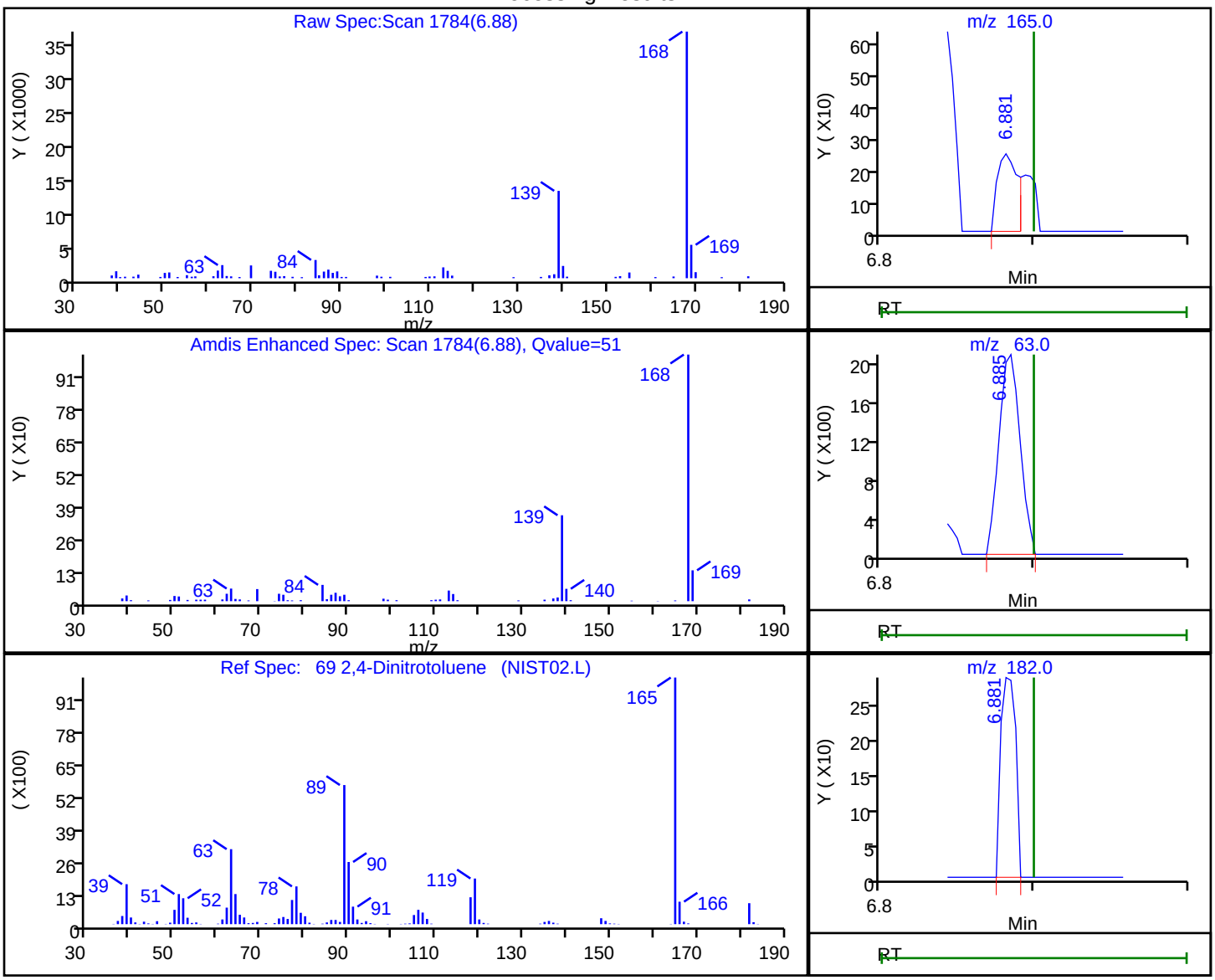
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Processing Results



RT	Mass	Response	Amount
6.88	165.00	231	0.027852
6.88	63.00	1931	
6.88	182.00	190	

Reviewer: hamziy, 04-Jul-2020 23:44:43

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

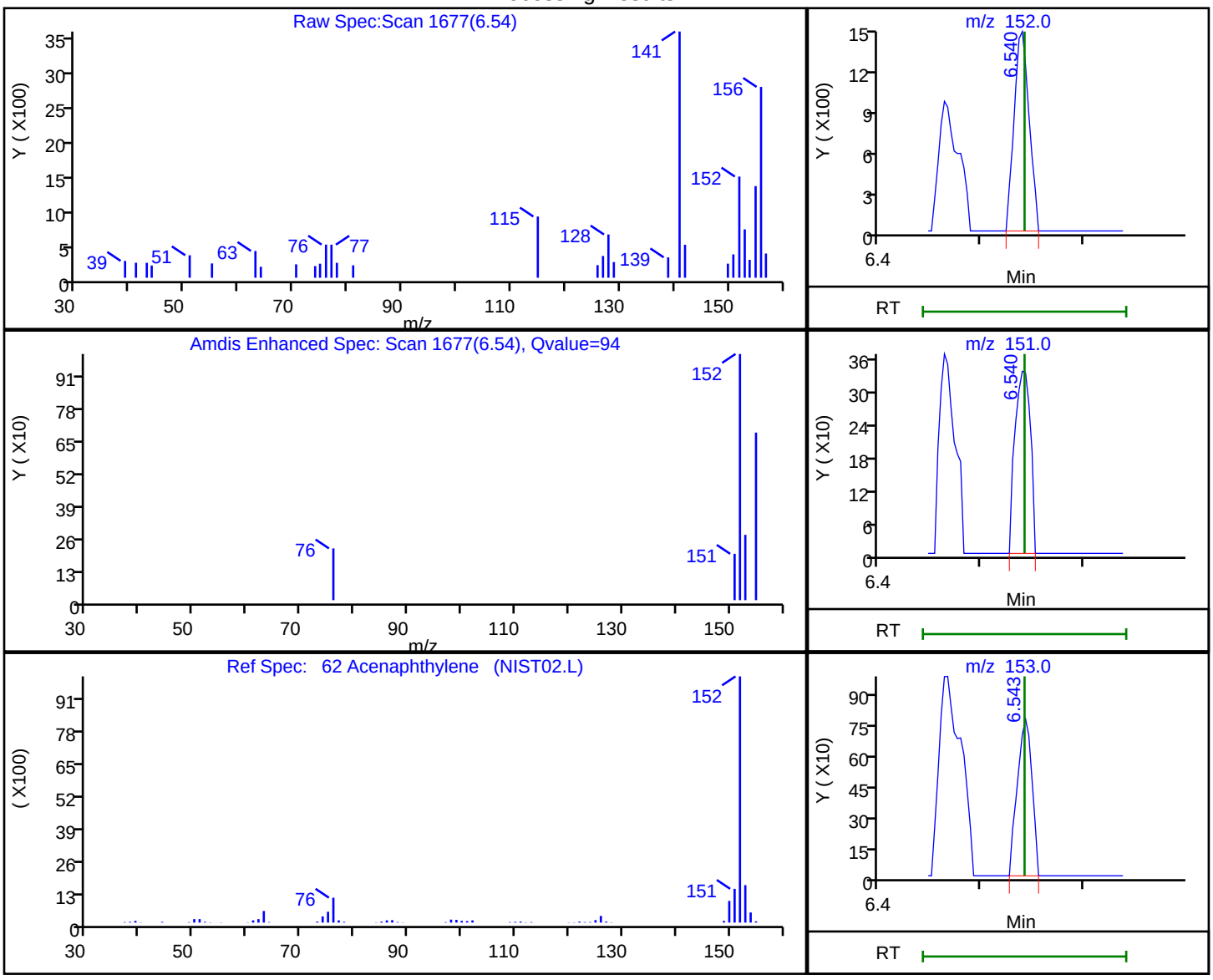
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

62 Acenaphthylene, CAS: 208-96-8

Processing Results



RT	Mass	Response	Amount
6.54	152.00	1496	0.037108
6.54	151.00	356	
6.54	153.00	772	

Reviewer: maheseep, 07-Jul-2020 10:00:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

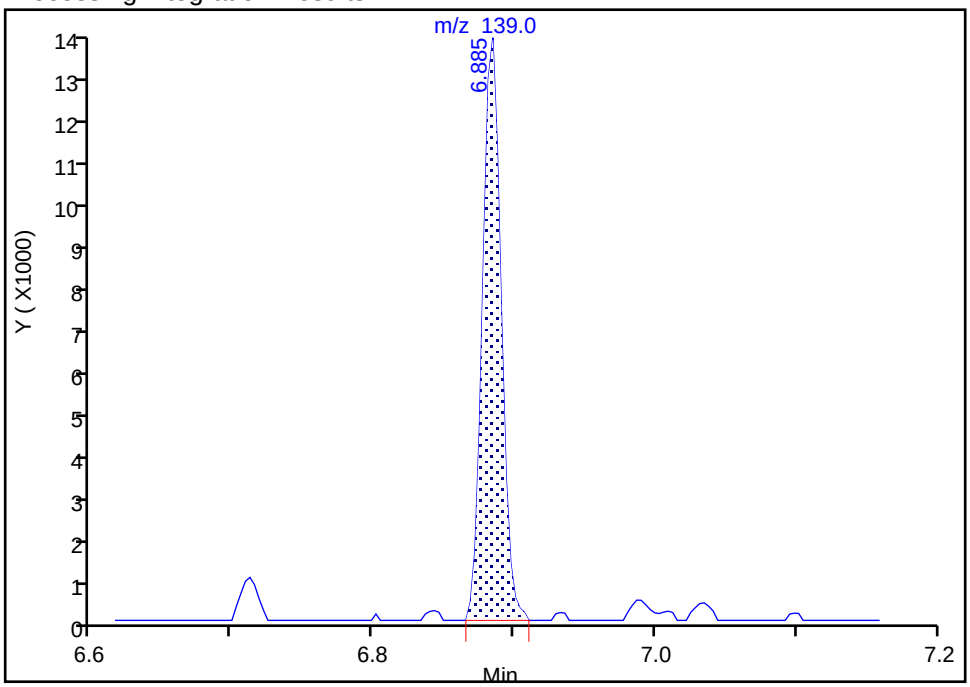
Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

70 Dibenzofuran, CAS: 132-64-9

Signal: 2

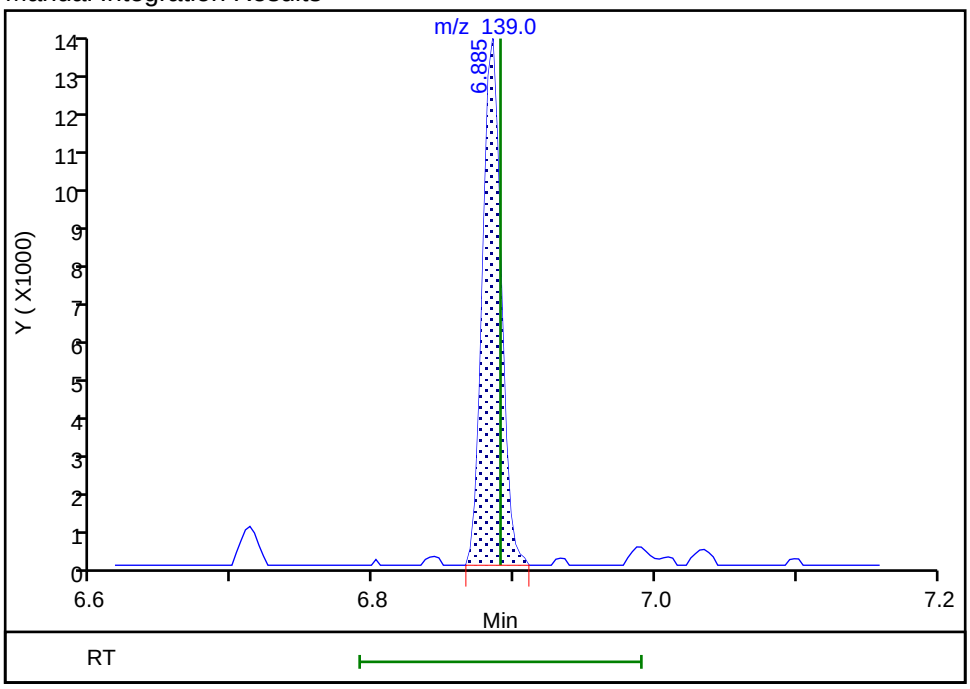
Processing Integration Results

RT: 6.88
Area: 12711
Amount: 0.917683
Amount Units: ug/ml



Manual Integration Results

RT: 6.88
Area: 12711
Amount: 0.917683
Amount Units: ug/ml



Reviewer: hamziy, 04-Jul-2020 23:44:41

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

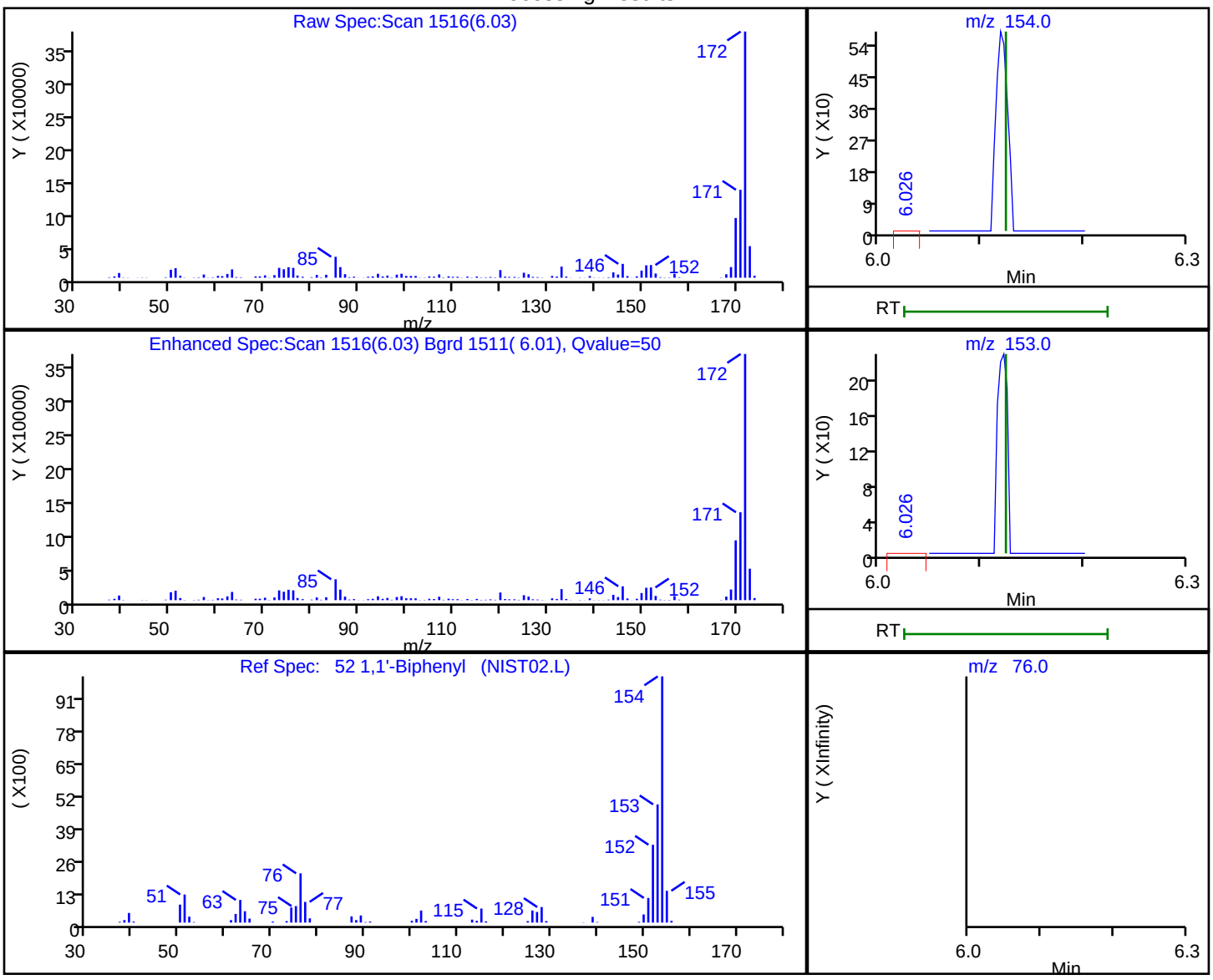
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133914.D				
Injection Date:	04-Jul-2020 23:03:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-D-2-A	Lab Sample ID:	460-212426-2		
Client ID:	MW-7A				
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.03	154.00	663	0.019003
6.03	153.00	5746	
6.03	76.00	13155	

Reviewer: hamziy, 04-Jul-2020 23:44:38

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup Lab Sample ID: 460-212426-3

Matrix: Water Lab File ID: M133915.D

Analysis Method: 8270D Date Collected: 06/30/2020 00:00

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 23:24

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U * *1	2.0	1.3
100-52-7	Benzaldehyde	2.1	U * *1	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup Lab Sample ID: 460-212426-3

Matrix: Water Lab File ID: M133915.D

Analysis Method: 8270D Date Collected: 06/30/2020 00:00

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 23:24

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
50-32-8	Benzo[a]pyrene	0.41	U *	1.0	0.41
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U *1	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
92-52-4	Diphenyl	1.2	U	10	1.2
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	2.0	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup Lab Sample ID: 460-212426-3

Matrix: Water Lab File ID: M133915.D

Analysis Method: 8270D Date Collected: 06/30/2020 00:00

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 23:24

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
1746-01-6	2,3,7,8-TCDD	1.0	U	1.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	101		36-159
321-60-8	2-Fluorobiphenyl	92		42-127
367-12-4	2-Fluorophenol	43		18-72
4165-60-0	Nitrobenzene-d5	90		46-137
4165-62-2	Phenol-d5	28		10-50
1718-51-0	Terphenyl-d14	110		39-150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Dup Lab Sample ID: 460-212426-3

Matrix: Water Lab File ID: M133915.D

Analysis Method: 8270D Date Collected: 06/30/2020 00:00

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 23:24

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

Number TICs Found: 2 TIC Result Total: 15.8

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
496-11-7	Indane	3.80	9.3	J N	96%
644-36-0	o-Tolylacetic acid	5.87	6.5	J N	97%

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133915.D
Lims ID: 460-212426-E-3-A
Client ID: Dup
Sample Type: Client
Inject. Date: 04-Jul-2020 23:24:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0112716-011
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 07-Jul-2020 10:00:45 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1034

First Level Reviewer: hamziy Date: 04-Jul-2020 23:45:27

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.414	2.418	-0.004	94	58331	4.28	
$ 6 Phenol-d5	99	3.304	3.311	-0.007	97	48950	2.81	
* 14 1,4-Dichlorobenzene-d4	152	3.617	3.624	-0.007	97	82973	8.00	
$ 27 Nitrobenzene-d5	82	4.188	4.195	-0.007	91	144225	8.98	
* 38 Naphthalene-d8	136	4.915	4.920	-0.005	100	309810	8.00	
$ 51 2-Fluorobiphenyl	172	6.025	6.031	-0.006	97	294801	9.23	
* 64 Acenaphthene-d10	164	6.679	6.686	-0.007	97	171922	8.00	
$ 80 2,4,6-Tribromophenol	330	7.464	7.468	-0.004	92	55138	10.1	
* 87 Phenanthrene-d10	188	8.140	8.142	-0.002	99	307075	8.00	
$ 96 Terphenyl-d14	244	9.719	9.722	-0.003	98	310293	11.0	
* 102 Chrysene-d12	240	10.769	10.778	-0.009	99	214314	8.00	
* 109 Perylene-d12	264	12.505	12.511	-0.006	99	212640	8.00	

Reagents:

SM_ISTD_LVI_00191 Amount Added: 20.00 Units: uL Run Reagent

Eurofins TestAmerica, Edison
Tentatively Identified Quantitation Report

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133915.D				
Lims ID:	460-212426-E-3-A				
Client ID:	Dup				
Sample Type:	Client				
Inject. Date:	04-Jul-2020 23:24:30	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Sample Info:	460-0112716-011				
Operator ID:		Instrument ID:	CBNAMS17		
Method:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m				
Limit Group:	SV 8270D ICAL				
Last Update:	07-Jul-2020 10:00:45	Calib Date:	20-Apr-2020 13:39:30		
Tic RT Window:	0.000 -0.000	Response:	area		
Quant By:	Nearest ISTD	Quant LOD:	10.00000		
MS Library:	\\chromfs\Edison\Database\NIST02.L				
Min. Match:	80				
Column 1 :	Rtxi-5Sil MS (0.25 mm)		Det: MS SCAN		
Process Host:	CTX1034				
First Level Reviewer: hamziy		Date:	04-Jul-2020 23:45:27		

Tentative Identified Compound Results

RT	Area	Amount ug/ml	Quant Cpnd	Qual	Lib Entry	Molecular Formula	Mol. Weight	Flags
496-11-7 Indane								
3.799	71593	1.17	14	96	8674	C9H10	118	
644-36-0 o-Tolylacetic acid								
5.866	79201	0.8175	64	97	23315	C9H10O2	150	

Quantitation Compounds

Compound	RT	Area	Amount ug/ml
* 14 1,4-Dichlorobenzene-d4	3.617	491528	8.00
* 64 Acenaphthene-d10	6.679	775026	8.00

QC Flag Legend

Processing Flags

Reagents:

SM_ISTD_LVI_00191 Amount Added: 20.00 Units: uL Run Reagent

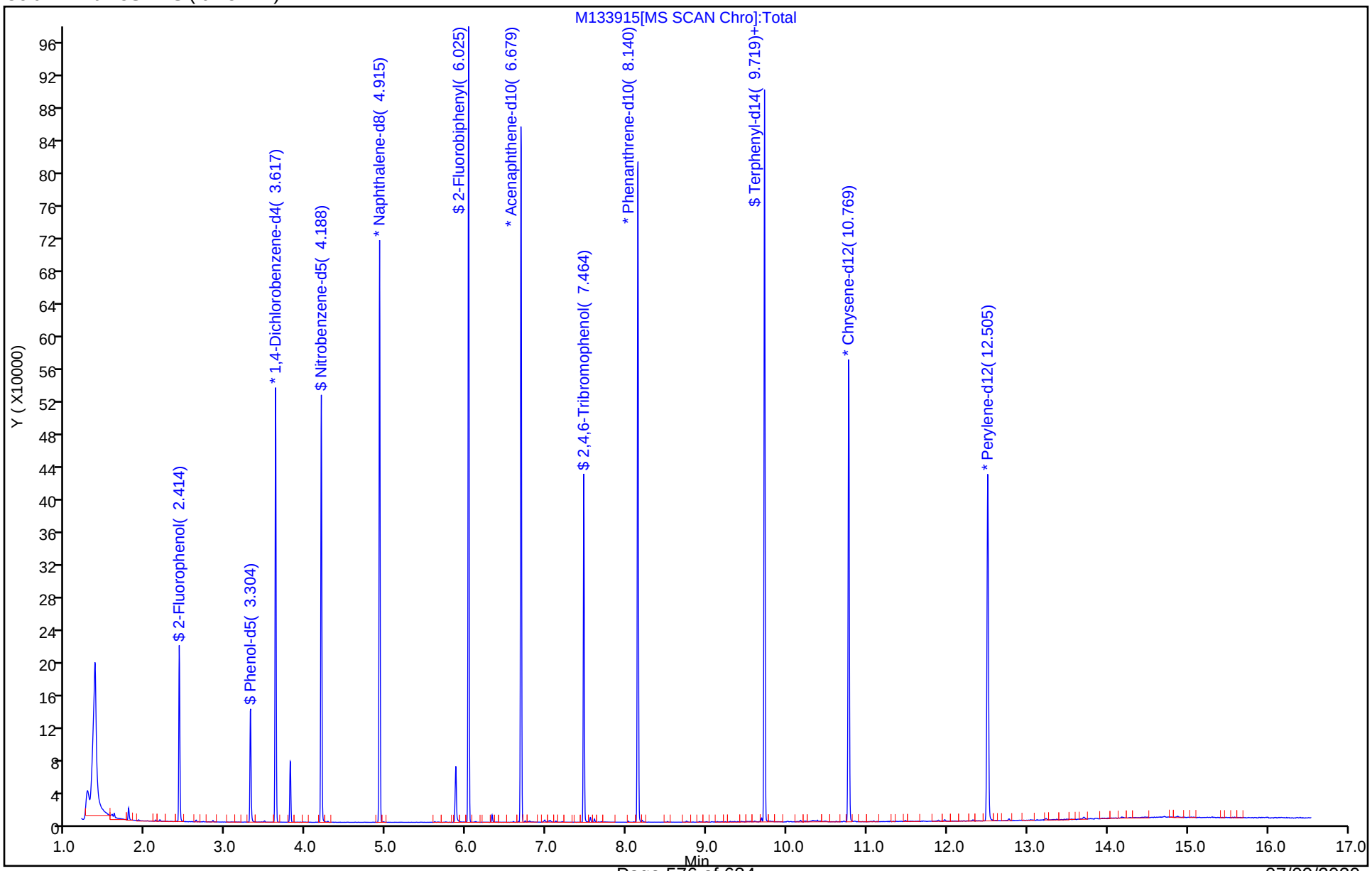
Report Date: 07-Jul-2020 10:01:38 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133915.D

Injection Date:	04-Jul-2020 23:24:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	460-212426-E-3-A	Lab Sample ID:	460-212426-3	Worklist Smp#:	11
Client ID:	Dup				
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	11
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



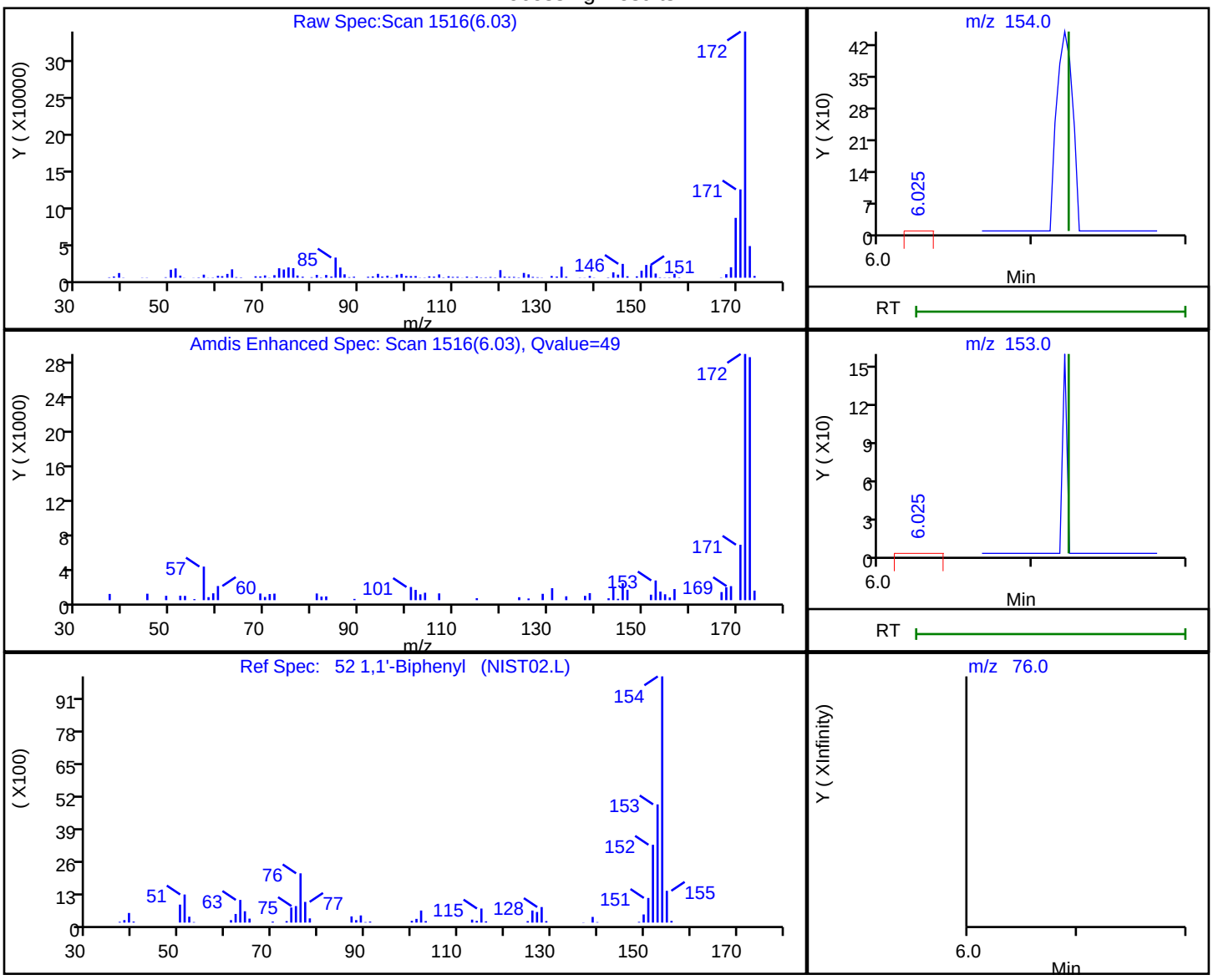
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133915.D				
Injection Date:	04-Jul-2020 23:24:30	Instrument ID:	CBNAMS17		
Lims ID:	460-212426-E-3-A	Lab Sample ID:	460-212426-3		
Client ID:	Dup				
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.03	154.00	409	0.011887
6.03	153.00	4810	
6.03	76.00	11243	

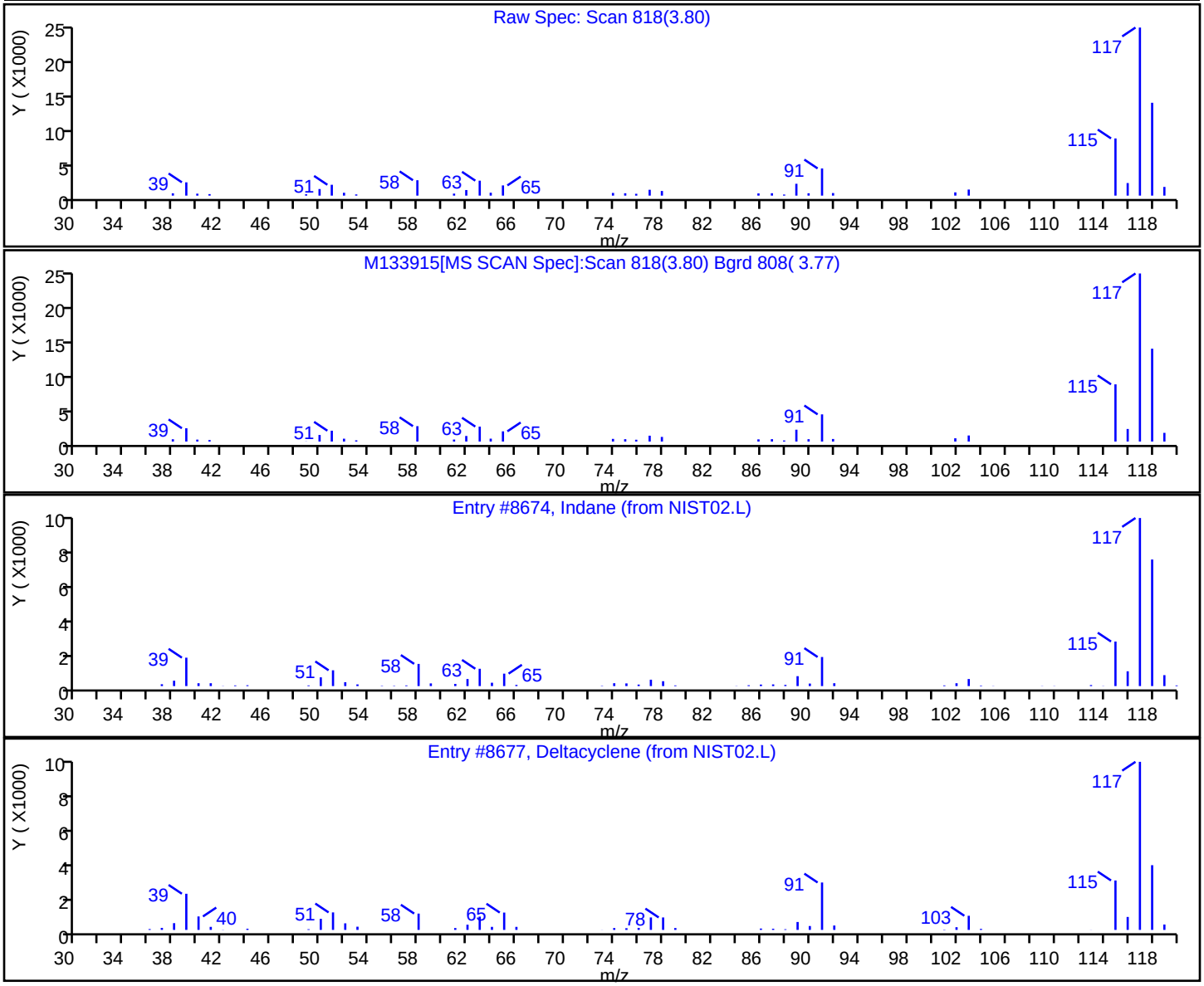
Reviewer: hamziy, 04-Jul-2020 23:45:14

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133915.D
Injection Date: 04-Jul-2020 23:24:30 Instrument ID: CBNAMS17
Lims ID: 460-212426-E-3-A Lab Sample ID: 460-212426-3
Client ID: Dup
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL
Column: Detector MS SCAN

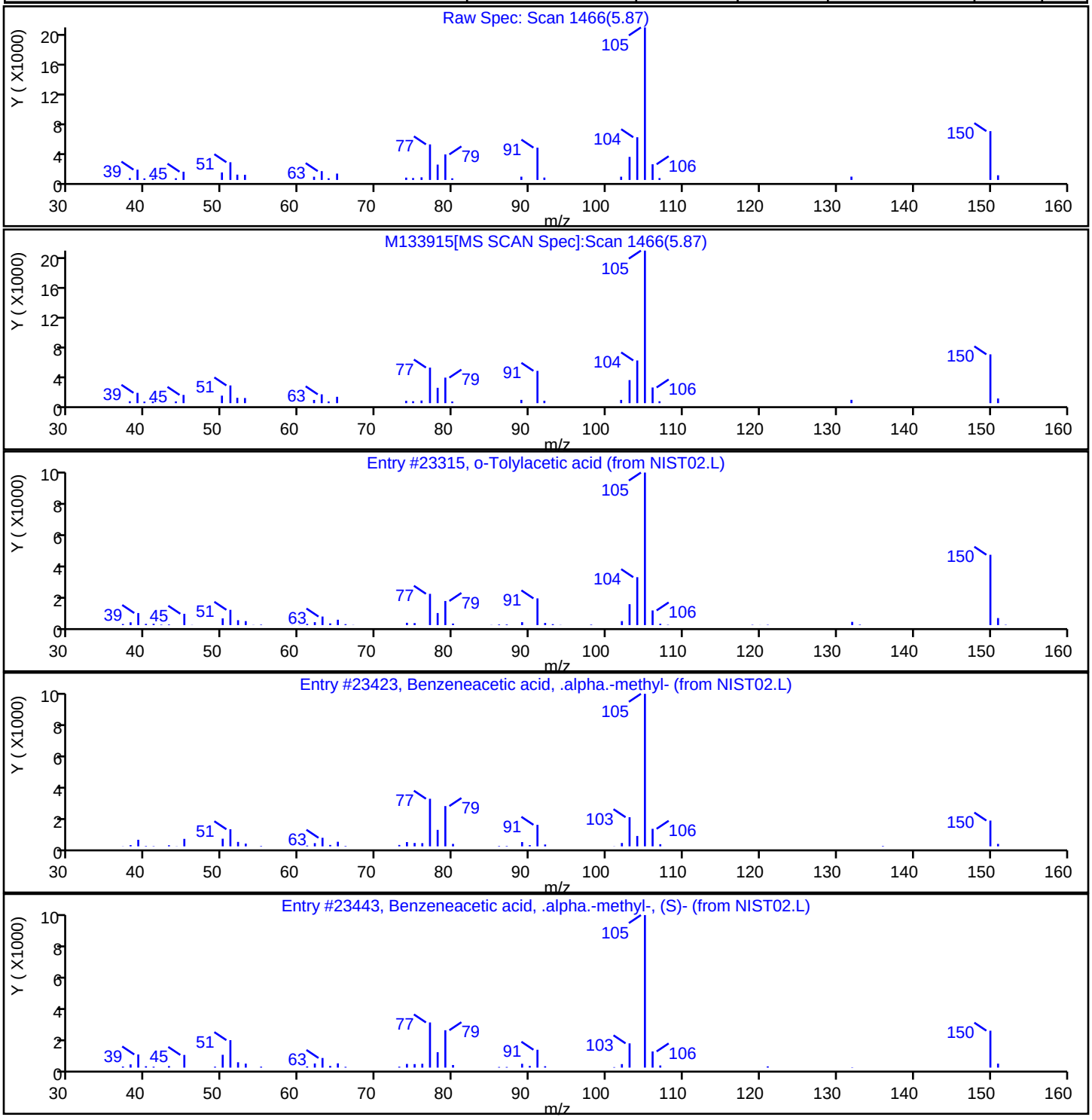
Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
Indane	496-11-7	NIST02.L	8674	C9H10	118	96
Deltacyclene	7785-10-6	NIST02.L	8677	C9H10	118	83



Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133915.D
Injection Date: 04-Jul-2020 23:24:30 Instrument ID: CBNAMS17
Lims ID: 460-212426-E-3-A Lab Sample ID: 460-212426-3
Client ID: Dup
Operator ID: ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL
Column: Detector MS SCAN

Library Search Compound Match	CAS#	Library	Entry	Formula	Weight	Q
o-Tolylacetic acid	644-36-0	NIST02.L	23315	C9H10O2	150	97
Benzeneacetic acid, .alpha.-methyl-	492-37-5	NIST02.L	23423	C9H10O2	150	91
Benzeneacetic acid, .alpha.-methyl-, (S)-	7782-24-3	NIST02.L	23443	C9H10O2	150	91



FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-688773/9	M132035.D
Level 2	STD02 460-688773/8	M132034.D
Level 3	STD1 460-688773/7	M132033.D
Level 4	STD2 460-688773/6	M132032.D
Level 5	STD4 460-688773/5	M132031.D
Level 6	ICIS 460-688773/2	M132028.D
Level 7	STD16 460-688773/4	M132030.D
Level 8	STD24 460-688773/3	M132029.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
1,4-Dioxane	0.5865	0.5402	0.6958 0.5285	0.6801	0.6145	Ave		0.6076				11.5		20.0			
N-Nitrosodimethylamine	0.9064	0.8851	0.8512 0.8674	0.8989	0.8941	Ave		0.8838				2.4		20.0			
Pyridine	1.5565	1.4777	1.4823 1.4486	1.5574	1.4773	Ave		1.5000				3.0		20.0			
Benzaldehyde	1.0454	1.2804 +++++	1.2466 +++++	1.2480	1.2737	Ave		1.2188			0.0100	8.0		20.0			
Phenol	1.9846	1.9527	1.8577 1.9334	1.9568	1.9532	Ave		1.9397			0.8000	2.2		20.0			
Aniline	2.3341	2.2956	2.1132 2.2486	2.3293	2.2723	Ave		2.2655				3.6		20.0			
Bis(2-chloroethyl)ether	1.2178 1.4022	1.3035 1.3630	1.3708 1.3512	1.4302	1.3822	Ave		1.3526			0.7000	4.9		20.0			
2-Chlorophenol	1.3742	1.3545	1.3165 1.3514	1.3661	1.3521	Ave		1.3525			0.8000	1.5		20.0			
n-Decane	1.8866	1.7359	1.8204 1.7530	1.8555	1.7663	Ave		1.8029				3.4		20.0			
1,3-Dichlorobenzene	1.6510	1.6226	1.6252 1.6083	1.6980	1.6421	Ave		1.6412				1.9		20.0			
1,4-Dichlorobenzene	1.6807	1.6616	1.6796 1.6242	1.7191	1.6714	Ave		1.6728				1.8		20.0			
Benzyl alcohol	0.9006	0.9056	0.8184 0.8974	0.8784	0.8981	Ave		0.8831				3.7		20.0			
1,2-Dichlorobenzene	1.5876	1.5652	1.5977 1.5391	1.6524	1.5699	Ave		1.5853				2.4		20.0			
2-Methylphenol	1.3150	1.3013	1.2578 1.2817	1.3212	1.2851	Ave		1.2937			0.7000	1.8		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,2'-oxybis[1-chloropropane]	2.6049	2.4520	2.5874 2.4173	2.5707	2.5038	Ave		2.5227			0.0100	3.1		20.0			
N-Methylaniline	2.0280 2.3117	2.0171 2.3238	2.2099 2.3275	2.2339	2.3044	Ave		2.2195				5.8		20.0			
Acetophenone	2.1858	2.1440	2.1221 2.1123	2.1665	2.1478	Ave		2.1464			0.0100	1.3		20.0			
N-Nitrosodi-n-propylamine	0.9195 1.1784	1.0719 1.1532	1.1449 1.1165	1.1648	1.1716	Ave		1.1151			0.5000	7.7		20.0			
3 & 4 Methylphenol	1.4210	1.4030	1.3475 1.3565	1.4045	1.4063	Ave		1.3898				2.2		20.0			
4-Methylphenol	1.4210	1.4030	1.3475 1.3495	1.4045	1.4063	Ave		1.3886			0.6000	2.3		20.0			
Hexachloroethane	0.4677 0.6676	0.5656 0.6516	0.6651 0.6520	0.6846	0.6411	Ave		0.6244			0.3000	11.6		20.0			
Nitrobenzene	0.3879 0.7056	0.5591 0.6953	0.6541 0.6809	0.6989	0.6917	Lin2	-0.031	0.6989			0.2000				1.0000		0.9900
n,n'-Dimethylaniline	2.0525 2.1280	1.9253 2.1245	2.0547 2.1512	2.0446	2.0780	Ave		2.0698				3.4		20.0			
Isophorone	0.7424	0.6472 0.7299	0.7188 0.7173	0.7442	0.7473	Ave		0.7210			0.4000	4.8		20.0			
2-Nitrophenol	0.1972	0.1983	0.1706 0.1964	0.1918	0.1916	Ave		0.1910			0.1000	5.4		20.0			
2,4-Dimethylphenol	0.3129	0.3140	0.2987 0.3078	0.3171	0.3156	Ave		0.3110			0.2000	2.2		20.0			
Bis(2-chloroethoxy)methane	0.4685	0.4578	0.4730 0.4524	0.4761	0.4647	Ave		0.4654			0.3000	1.9		20.0			
Benzoic acid	0.1744	0.1956	0.1261 0.1906	0.1595	0.1831	Ave		0.1715				15.0		20.0			
2,4-Dichlorophenol	0.3230	0.3276	0.3156 0.3245	0.3234	0.3269	Ave		0.3235			0.2000	1.3		20.0			
1,2,4-Trichlorobenzene	0.3204 0.3675	0.3470 0.3696	0.3706 0.3683	0.3788	0.3644	Ave		0.3608				5.2		20.0			
Naphthalene	1.0361 1.0501	0.9604 1.0384	1.0654 1.0281	1.0826	1.0402	Ave		1.0376			0.7000	3.5		20.0			
4-Chloroaniline	0.4518	0.4498	0.4439 0.4442	0.4562	0.4514	Ave		0.4495			0.0100	1.1		20.0			
Hexachlorobutadiene	0.1885 0.2209	0.2116 0.2183	0.2275 0.2217	0.2280	0.2266	Ave		0.2179			0.0100	6.0		20.0			
Caprolactam	0.0817	0.0571 0.0869	0.0843 0.0805	0.0874	0.0865	Ave		0.0806			0.0100	13.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
4-Chloro-3-methylphenol	0.3109	0.3104	0.2985 0.3069	0.3135	0.3171	Ave		0.3095			0.2000	2.1		20.0			
2-Methylnaphthalene	0.7090	0.6632 0.7064	0.7412 0.7006	0.7463	0.7217	Ave		0.7126			0.4000	3.9		20.0			
1-Methylnaphthalene	0.6697	0.6510 0.6615	0.7041 0.6457	0.6956	0.6851	Ave		0.6732				3.3		20.0			
Hexachlorocyclopentadiene	0.5396	0.5543	0.4619 0.5510	0.4831	0.5105	Ave		0.5167			0.0500	7.4		20.0			
1,2,4,5-Tetrachlorobenzene	0.7080	0.7122	0.6719 0.7161	0.7125	0.6773	Ave		0.6997			0.0100	2.8		20.0			
2-tertbutyl-4-methylphenol	0.4237	0.3848 0.4308	0.4103 0.4395	0.4140	0.4229	Ave		0.4180				4.2		20.0			
2,4,6-Trichlorophenol	0.4458	0.3351 0.4431	0.4038 0.4393	0.4182	0.4148	Ave		0.4143			0.2000	9.3		20.0			
2,4,5-Trichlorophenol	0.4775	0.4756	0.4438 0.4690	0.4654	0.4523	Ave		0.4639			0.2000	2.9		20.0			
Diphenyl	1.6284	1.5884	1.5858 1.5738	1.6437	1.5862	Ave		1.6010			0.0100	1.7		20.0			
2-Chloronaphthalene	1.2879	1.2775	1.2588 1.2812	1.3019	1.2333	Ave		1.2734			0.8000	1.9		20.0			
Phenyl ether	0.8662	0.8799	0.8055 0.8841	0.8371	0.8462	Ave		0.8532				3.5		20.0			
2-Nitroaniline	0.5230	0.5072	0.4668 0.4196	0.5132	0.5029	Ave		0.4888			0.0100	8.0		20.0			
1,3-Dimethylnaphthalene	0.9352	0.9264	0.8661 0.9520	0.8890	0.9102	Ave		0.9131				3.5		20.0			
Dimethyl phthalate	1.4023	1.3940	1.3915 1.3701	1.4509	1.4244	Ave		1.4055			0.0100	2.0		20.0			
Coumarin	0.2537	0.2546	0.2620 0.2544	0.2686	0.2653	Ave		0.2598				2.5		20.0			
2,6-Dinitrotoluene	0.3101	0.2367 0.3084	0.2917 0.2985	0.2973	0.3085	Ave		0.2930			0.2000	8.8		20.0			
Acenaphthylene	1.8863	1.8518	1.8168 1.8319	1.8650	1.8486	Ave		1.8501			0.9000	1.3		20.0			
3-Nitroaniline	0.3398	0.3349	0.3185 0.3266	0.3356	0.3333	Ave		0.3315			0.0100	2.3		20.0			
Acenaphthene	1.1982	1.1783	1.1908 1.1560	1.1805	1.1718	Ave		1.1793			0.9000	1.3		20.0			
3,5-di-tert-butyl-4-hydroxytol	1.1278	1.1479	1.0289 1.1700	1.0652	1.0760	Ave		1.1026				4.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2,4-Dinitrophenol	0.1810	0.1848	0.1185 0.1845	0.1406	0.1602	Ave		0.1616			0.0100	16.9		20.0			
4-Nitrophenol	0.2759	0.2698	0.2635 0.2582	0.2799	0.2753	Ave		0.2704			0.0100	3.1		20.0			
2,4-Dinitrotoluene	0.4035	0.3013 0.4007	0.3680 0.3913	0.4000	0.3993	Ave		0.3806			0.2000	9.7		20.0			
Dibenzofuran	1.8354	1.7719	1.8567 1.7324	1.8833	1.8118	Ave		1.8152			0.8000	3.1		20.0			
2,3,4,6-Tetrachlorophenol	0.3756	0.3785	0.3561 0.3774	0.3641	0.3702	Ave		0.3703			0.0100	2.4		20.0			
Diethyl phthalate	1.3777	1.3522	1.4128 1.3431	1.4116	1.4163	Ave		1.3856			0.0100	2.4		20.0			
Fluorene	1.3699	1.3564	1.3872 1.3278	1.3880	1.3768	Ave		1.3677			0.9000	1.7		20.0			
4-Chlorophenyl phenyl ether	0.7086	0.7015	0.7167 0.6955	0.7204	0.7045	Ave		0.7079			0.4000	1.3		20.0			
4-Nitroaniline	0.3204	0.3139	0.3097 0.2989	0.3252	0.3271	Ave		0.3159			0.0100	3.4		20.0			
4,6-Dinitro-2-methylphenol	0.1303	0.1321	0.0900 0.1328	0.1082	0.1174	Ave		0.1185			0.0100	14.4		20.0			
N-Nitrosodiphenylamine	0.5848	0.5791	0.5481 0.5669	0.5675	0.5674	Ave		0.5690			0.0100	2.2		20.0			
1,2-Diphenylhydrazine	0.9591	0.9309	0.8741 0.9165	0.9247	0.8827	Ave		0.9147				3.5		20.0			
4-Bromophenyl phenyl ether	0.2470	0.2476	0.2308 0.2440	0.2430	0.2343	Ave		0.2411			0.1000	2.9		20.0			
Hexachlorobenzene	0.2834 0.3043	0.2905 0.3142	0.2924 0.3098	0.3015	0.3012	Ave		0.2997			0.1000	3.4		20.0			
Atrazine	0.2076	0.1831 0.2121	0.1969 0.2016	0.1916	0.2033	Ave		0.1994			0.0100	4.9		20.0			
Pentachlorophenol	0.1621	0.1713	0.1101 0.1737	0.1367	0.1436	Ave		0.1496			0.0500	16.3		20.0			
Pentachloronitrobenzene	0.1187	0.1218	0.0990 0.1237	0.1077	0.1115	Ave		0.1137			0.0100	8.3		20.0			
n-Octadecane	0.7156	0.6727	0.5806 0.6771	0.6288	0.6351	Ave		0.6516				7.2		20.0			
Phenanthrene	1.1649	1.1374	1.1500 1.0977	1.1762	1.1196	Ave		1.1410			0.7000	2.6		20.0			
Anthracene	1.1929	1.1592	1.1415 1.1392	1.1659	1.1577	Ave		1.1594			0.7000	1.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
Carbazole	1.0037	0.9740	0.9642 0.9541	1.0125	0.9754	Ave		0.9807			0.0100	2.3		20.0			
Di-n-butyl phthalate	1.2907	1.2678	1.1249 1.2541	1.1777	1.1986	Ave		1.2189			0.0100	5.2		20.0			
Fluoranthene	1.1183	1.1015	1.0906 1.0794	1.1021	1.1006	Ave		1.0987			0.6000	1.2		20.0			
Benzidine	0.4567	0.4779	0.1256 0.4844	0.2037	0.3173	Qua	-0.559	0.5078	0.0000493						0.9990		0.9900
Pyrene	1.6278	1.5036	1.5189 1.4265	1.5963	1.6209	Ave		1.5490			0.6000	5.1		20.0			
Bisphenol-A	0.6049	0.6033	0.5047 0.6108	0.5515	0.5791	Ave		0.5757				7.2		20.0			
Butyl benzyl phthalate	0.6390	0.6193	0.5295 0.6043	0.5794	0.6087	Ave		0.5967			0.0100	6.4		20.0			
2,3,7,8-TCDD	0.1759					Ave		0.1759						20.0			
Carbamazepine	0.5168	0.5492	0.3568 0.5752	0.4157	0.4569	Ave		0.4784				17.5		20.0			
3,3'-Dichlorobenzidine	0.5124	0.3864 0.5330	0.4316 0.5373	0.4793	0.5010	Ave		0.4830			0.0100	11.5		20.0			
Benzo[a]anthracene	1.3920 1.3381	1.2987 1.3226	1.2737 1.3055	1.3375	1.3187	Ave		1.3233			0.8000	2.6		20.0			
Chrysene	1.3168	1.3069 1.2806	1.3010 1.2735	1.3091	1.3197	Ave		1.3011			0.7000	1.4		20.0			
Bis(2-ethylhexyl) phthalate	0.9633	0.6485 0.9298	0.7847 0.9281	0.8672	0.9126	Ave		0.8620			0.0100	12.8		20.0			
Di-n-octyl phthalate	1.4061	1.3332	1.1337 1.3163	1.2874	1.3104	Ave		1.2979			0.0100	6.9		20.0			
Benzo[b]fluoranthene	1.0074 1.1691	1.0382 1.1645	1.1005 1.1134	1.1633	1.1176	Ave		1.1093			0.7000	5.4		20.0			
Benzo[k]fluoranthene	1.0801 1.1803	1.0448 1.1936	1.2259 1.1947	1.2451	1.2073	Ave		1.1715			0.7000	6.1		20.0			
Benzo[a]pyrene	0.8096 1.0470	0.8829 1.0422	0.9935 1.0311	1.0025	0.9961	Ave		0.9756			0.7000	8.7		20.0			
Indeno[1,2,3-cd]pyrene	0.8756 1.0983	0.9201 1.1890	1.0530 1.2245	1.0973	1.0370	Ave		1.0618			0.5000	11.3		20.0			
Dibenz(a,h)anthracene	0.8236 1.1581	0.8993 1.2151	1.0735 1.1651	1.1073	1.0649	Ave		1.0634			0.4000	12.8		20.0			
Benzo[g,h,i]perylene	1.1762	1.2846	1.1128 1.2481	1.1697	1.1281	Ave		1.1866			0.5000	5.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5		B	M1	M2								
2-Fluorophenol	1.3412	1.2810 1.3755	1.2608 1.3720	1.2832	1.2797	Ave		1.3133				3.7		20.0			
Phenol-d5	1.7057	1.6594 1.7418	1.6438 1.7342	1.6365	1.6228	Ave		1.6777				2.9		20.0			
Nitrobenzene-d5	0.4006 0.4255	0.4105 0.4295	0.4040 0.4328	0.4111	0.4039	Ave		0.4147				3.1		20.0			
2-Fluorobiphenyl	1.4226 1.5316	1.4713 1.5434	1.4610 1.5619	1.4617	1.4385	Ave		1.4865				3.5		20.0			
2,4,6-Tribromophenol	0.2620	0.2285 0.2746	0.2431 0.2762	0.2464	0.2527	Ave		0.2548				6.8		20.0			
Terphenyl-d14	1.1718 1.0959	1.0023 1.0664	0.9979 1.0404	1.0310	1.0469	Ave		1.0566				5.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD01 460-688773/9	M132035.D
Level 2	STD02 460-688773/8	M132034.D
Level 3	STD1 460-688773/7	M132033.D
Level 4	STD2 460-688773/6	M132032.D
Level 5	STD4 460-688773/5	M132031.D
Level 6	ICIS 460-688773/2	M132028.D
Level 7	STD16 460-688773/4	M132030.D
Level 8	STD24 460-688773/3	M132029.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1,4-Dioxane	DCBd 4	Ave	49686	70436	5944 109373	11564	21313	10.0	16.0	1.00 24.0	2.00	4.00
N-Nitrosodimethylamine	DCBd 4	Ave	76781	115395	7271 179501	15286	31014	10.0	16.0	1.00 24.0	2.00	4.00
Pyridine	DCBd 4	Ave	263721	385316	25325 599577	52965	102480	20.0	32.0	2.00 48.0	4.00	8.00
Benzaldehyde	DCBd 4	Ave	35425	2162 +++++	10649 +++++	21222	35344	4.00	0.200 +++++	1.00 +++++	2.00	3.20
Phenol	DCBd 4	Ave	168122	254590	15869 400102	33275	67747	10.0	16.0	1.00 24.0	2.00	4.00
Aniline	DCBd 4	Ave	197731	299297	18052 465348	39609	78818	10.0	16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethyl)ether	DCBd 4	Ave	992 118787	2201 177707	11710 279626	24319	47944	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Chlorophenol	DCBd 4	Ave	116413	176599	11246 279672	23230	46900	10.0	16.0	1.00 24.0	2.00	4.00
n-Decane	DCBd 4	Ave	159820	226324	15551 362769	31551	61266	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dichlorobenzene	DCBd 4	Ave	139862	211546	13883 332839	28874	56959	10.0	16.0	1.00 24.0	2.00	4.00
1,4-Dichlorobenzene	DCBd 4	Ave	142382	216640	14348 336112	29233	57974	10.0	16.0	1.00 24.0	2.00	4.00
Benzyl alcohol	DCBd 4	Ave	76289	118072	6991 185711	14936	31152	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Dichlorobenzene	DCBd 4	Ave	134495	204072	13648 318517	28099	54454	10.0	16.0	1.00 24.0	2.00	4.00
2-Methylphenol	DCBd 4	Ave	111399	169660	10745 265239	22466	44574	10.0	16.0	1.00 24.0	2.00	4.00
2,2'-oxybis[1-chloropropane]	DCBd 4	Ave	220671	319687	22103 500241	43714	86848	10.0	16.0	1.00 24.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
N-Methylaniline	DCBd 4	Ave	1652 195832	3406 302978	18878 481662	37986	79932	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acetophenone	DCBd 4	Ave	 185166	 279526	18128 437129	36840	74497	 10.0	 16.0	1.00 24.0	2.00	4.00
N-Nitrosodi-n-propylamine	DCBd 4	Ave	749 99825	1810 150350	9780 231052	19806	40638	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
3 & 4 Methylphenol	DCBd 4	Ave	 120375	 182925	11511 280721	23882	48778	 10.0	 16.0	1.00 24.0	2.00	4.00
4-Methylphenol	DCBd 4	Ave	 120375	 182925	11511 279276	23882	48778	 10.0	 16.0	1.00 24.0	2.00	4.00
Hexachloroethane	DCBd 4	Ave	381 56558	955 84953	5682 134925	11641	22237	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene	DCBd 4	Lin2	316 59778	944 90647	5588 140901	11884	23991	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
n,n'-Dimethylaniline	DCBd 4	Ave	1672 180275	3251 276986	17552 445181	34767	72076	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Isophorone	NPT	Ave	 243890	4206 364127	23361 561075	48509	99929	 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Nitrophenol	NPT	Ave	 64800	 98948	5544 153630	12504	25622	 10.0	 16.0	1.00 24.0	2.00	4.00
2,4-Dimethylphenol	NPT	Ave	 102808	 156638	9707 240773	20668	42206	 10.0	 16.0	1.00 24.0	2.00	4.00
Bis(2-chloroethoxy)methane	NPT	Ave	 153928	 228383	15373 353874	31035	62138	 10.0	 16.0	1.00 24.0	2.00	4.00
Benzoic acid	NPT	Ave	 57283	 97585	4099 149067	10394	24481	 10.0	 16.0	1.00 24.0	2.00	4.00
2,4-Dichlorophenol	NPT	Ave	 106111	 163430	10257 253815	21080	43717	 10.0	 16.0	1.00 24.0	2.00	4.00
1,2,4-Trichlorobenzene	NPT	Ave	1003 120740	2255 184357	12045 288051	24689	48727	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Naphthalene	NPT	Ave	3243 344970	6242 518017	34625 804187	70567	139083	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
4-Chloroaniline	NPT	Ave	 148440	 224391	14426 347431	29738	60354	 10.0	 16.0	1.00 24.0	2.00	4.00
Hexachlorobutadiene	NPT	Ave	590 72574	1375 108923	7393 173437	14864	30301	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Caprolactam	NPT	Ave	 10732	371 13006	2741 16791	5697	9248	 4.00	0.200 4.80	1.00 6.40	2.00	3.20
4-Chloro-3-methylphenol	NPT	Ave	 102150	 154847	9700 240077	20435	42396	 10.0	 16.0	1.00 24.0	2.00	4.00
2-Methylnaphthalene	NPT	Ave	 232933	4310 352401	24088 547985	48647	96494	 10.0	0.200 16.0	1.00 24.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
1-Methylnaphthalene	NPT	Ave	220012	4231 330022	22882 505096	45344	91603	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Hexachlorocyclopentadiene	ANT	Ave	94885	148707	8620 228773	17815	38566	10.0	16.0	1.00 24.0	2.00	4.00
1,2,4,5-Tetrachlorobenzene	ANT	Ave	124504	191064	12539 297362	26273	51168	10.0	16.0	1.00 24.0	2.00	4.00
2-tertbutyl-4-methylphenol	NPT	Ave	139202	2501 214890	13334 343760	26988	56549	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Trichlorophenol	ANT	Ave	78393	1230 118865	7535 182420	15421	31338	10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,5-Trichlorophenol	ANT	Ave	83961	127583	8281 194746	17159	34168	10.0	16.0	1.00 24.0	2.00	4.00
Diphenyl	ANT	Ave	286350	426126	29593 653460	60609	119834	10.0	16.0	1.00 24.0	2.00	4.00
2-Chloronaphthalene	ANT	Ave	226471	342733	23491 532001	48003	93172	10.0	16.0	1.00 24.0	2.00	4.00
Phenyl ether	ANT	Ave	152327	236041	15032 367099	30868	63926	10.0	16.0	1.00 24.0	2.00	4.00
2-Nitroaniline	ANT	Ave	91963	136070	8711 174226	18924	37996	10.0	16.0	1.00 24.0	2.00	4.00
1,3-Dimethylnaphthalene	ANT	Ave	164453	248522	16162 395303	32781	68760	10.0	16.0	1.00 24.0	2.00	4.00
Dimethyl phthalate	ANT	Ave	246589	373985	25966 568902	53498	107611	10.0	16.0	1.00 24.0	2.00	4.00
Coumarin	NPT	Ave	83335	126995	8516 198959	17511	35471	10.0	16.0	1.00 24.0	2.00	4.00
2,6-Dinitrotoluene	ANT	Ave	54539	869 82743	5444 123950	10963	23303	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Acenaphthylene	ANT	Ave	331703	496779	33904 760655	68769	139652	10.0	16.0	1.00 24.0	2.00	4.00
3-Nitroaniline	ANT	Ave	59755	89858	5944 135602	12373	25179	10.0	16.0	1.00 24.0	2.00	4.00
Acenaphthene	ANT	Ave	210702	316111	22221 480011	43530	88522	10.0	16.0	1.00 24.0	2.00	4.00
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	198328	307954	19200 485810	39278	81288	10.0	16.0	1.00 24.0	2.00	4.00
2,4-Dinitrophenol	ANT	Ave	63641	99147	4424 153188	10371	24203	20.0	32.0	2.00 48.0	4.00	8.00
4-Nitrophenol	ANT	Ave	97037	144742	9836 214414	20644	41589	20.0	32.0	2.00 48.0	4.00	8.00
2,4-Dinitrotoluene	ANT	Ave	70951	1106 107503	6868 162492	14750	30169	10.0	0.200 16.0	1.00 24.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Dibenzofuran	ANT	Ave	322759	475348	34648 719325	69441	136876	10.0	16.0	1.00 24.0	2.00	4.00
2,3,4,6-Tetrachlorophenol	ANT	Ave	66042	101547	6646 156706	13424	27967	10.0	16.0	1.00 24.0	2.00	4.00
Diethyl phthalate	ANT	Ave	242276	362764	26365 557674	52050	106998	10.0	16.0	1.00 24.0	2.00	4.00
Fluorene	ANT	Ave	240906	363890	25886 551317	51180	104013	10.0	16.0	1.00 24.0	2.00	4.00
4-Chlorophenyl phenyl ether	ANT	Ave	124612	188203	13375 288787	26562	53219	10.0	16.0	1.00 24.0	2.00	4.00
4-Nitroaniline	ANT	Ave	56337	84215	5779 124091	11990	24715	10.0	16.0	1.00 24.0	2.00	4.00
4,6-Dinitro-2-methylphenol	PHN	Ave	75120	116431	5977 180073	14043	31093	20.0	32.0	2.00 48.0	4.00	8.00
N-Nitrosodiphenylamine	PHN	Ave	168562	255179	18203 384372	36842	75127	10.0	16.0	1.00 24.0	2.00	4.00
1,2-Diphenylhydrazine	PHN	Ave	276451	410225	29032 621370	60027	116880	10.0	16.0	1.00 24.0	2.00	4.00
4-Bromophenyl phenyl ether	PHN	Ave	71185	109122	7666 165452	15773	31029	10.0	16.0	1.00 24.0	2.00	4.00
Hexachlorobenzene	PHN	Ave	954 87725	1937 138475	9710 210017	19572	39885	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Atrazine	PHN	Ave	23931	1221 28045	6538 36447	12436	21537	4.00	0.200 4.80	1.00 6.40	2.00	3.20
Pentachlorophenol	PHN	Ave	93463	150934	7312 235573	17745	38032	20.0	32.0	2.00 48.0	4.00	8.00
Pentachloronitrobenzene	PHN	Ave	34211	53692	3287 83859	6994	14760	10.0	16.0	1.00 24.0	2.00	4.00
n-Octadecane	PHN	Ave	206271	296459	19284 459067	40816	84092	10.0	16.0	1.00 24.0	2.00	4.00
Phenanthrene	PHN	Ave	335781	501225	38195 744261	76351	148247	10.0	16.0	1.00 24.0	2.00	4.00
Anthracene	PHN	Ave	343862	510845	37911 772411	75687	153292	10.0	16.0	1.00 24.0	2.00	4.00
Carbazole	PHN	Ave	289327	429223	32023 646899	65725	129160	10.0	16.0	1.00 24.0	2.00	4.00
Di-n-butyl phthalate	PHN	Ave	372042	558669	37360 850296	76449	158706	10.0	16.0	1.00 24.0	2.00	4.00
Fluoranthene	PHN	Ave	322356	485386	36220 731824	71545	145740	10.0	16.0	1.00 24.0	2.00	4.00
Benzidine	PHN	Qua	131647	210596	4172 328457	13225	42013	10.0	16.0	1.00 24.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Pyrene	CRY	Ave	329502	504291	36630 745978	73980	148492	10.0	16.0	1.00 24.0	2.00	4.00
Bisphenol-A	CRY	Ave	122445	202345	12172 319399	25557	53053	10.0	16.0	1.00 24.0	2.00	4.00
Butyl benzyl phthalate	CRY	Ave	129348	207717	12769 316046	26850	55766	10.0	16.0	1.00 24.0	2.00	4.00
2,3,7,8-TCDD	CRY	Ave	356					0.100				
Carbamazepine	CRY	Ave	104619	184194	8606 300818	19266	41853	10.0	16.0	1.00 24.0	2.00	4.00
3,3'-Dichlorobenzidine	CRY	Ave	103712	1833 178771	10410 280999	22212	45893	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]anthracene	CRY	Ave	3377 270856	6160 443570	30717 682741	61983	120808	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Chrysene	CRY	Ave	266551	6199 429502	31377 665992	60666	120894	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Bis(2-ethylhexyl) phthalate	CRY	Ave	195001	3076 311836	18925 485348	40190	83605	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Di-n-octyl phthalate	PRY	Ave	295260	494571	26891 796295	59267	121979	10.0	16.0	1.00 24.0	2.00	4.00
Benzo[b]fluoranthene	PRY	Ave	2384 245495	4994 431997	26104 673528	53556	104032	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[k]fluoranthene	PRY	Ave	2556 247846	5026 442784	29079 722712	57320	112383	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[a]pyrene	PRY	Ave	1916 219862	4247 386626	23566 623750	46152	92721	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Indeno[1,2,3-cd]pyrene	PRY	Ave	2072 230621	4426 441059	24976 740726	50518	96526	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Dibenz(a,h)anthracene	PRY	Ave	1949 243184	4326 450763	25462 704834	50976	99127	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
Benzo[g,h,i]perylene	PRY	Ave	246979	476549	26396 755045	53852	105010	10.0	16.0	1.00 24.0	2.00	4.00
2-Fluorophenol	DCBd 4	Ave	113620	2163 179335	10770 283924	21821	44389	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Phenol-d5	DCBd 4	Ave	144496	2802 227094	14042 358888	27828	56288	10.0	0.200 16.0	1.00 24.0	2.00	4.00
Nitrobenzene-d5	NPT	Ave	1254 139778	2668 214279	13129 338522	26796	54007	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2-Fluorobiphenyl	ANT	Ave	2605 269339	5401 414042	27264 648543	53898	108676	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00
2,4,6-Tribromophenol	ANT	Ave	46081	839 73672	4536 114692	9085	19093	10.0	0.200 16.0	1.00 24.0	2.00	4.00

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1 Analy Batch No.: 688773

SDG No.:

Instrument ID: CBNAMS17 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 04/20/2020 11:12 Calibration End Date: 04/20/2020 13:39 Calibration ID: 79419

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4	LVL 5
Terphenyl-d14	CRY	Ave	2843 221832	4754 357662	24067 544103	47778	95902	0.100 10.0	0.200 16.0	1.00 24.0	2.00	4.00

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132028.D
Lims ID: icis
Client ID:
Sample Type: ICIS Calib Level: 6
Inject. Date: 20-Apr-2020 11:12:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-002
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:26 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 11:48:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.597	1.597	0.000	96	49686	10.0	9.65	
2 N-Nitrosodimethylamine	74	1.795	1.795	0.000	80	76781	10.0	10.3	
3 Pyridine	79	1.823	1.823	0.000	84	263721	20.0	20.8	
$ 4 2-Fluorophenol	112	2.873	2.873	0.000	91	113620	10.0	10.2	
5 Benzaldehyde	77	3.680	3.680	0.000	92	35425	4.00	3.43	
$ 6 Phenol-d5	99	3.769	3.769	0.000	95	144496	10.0	10.2	
7 Phenol	94	3.782	3.782	0.000	98	168122	10.0	10.2	
8 Aniline	93	3.789	3.789	0.000	99	197731	10.0	10.3	
9 Bis(2-chloroethyl)ether	93	3.849	3.849	0.000	90	118787	10.0	10.4	
10 Benzonitrile	103	3.862	3.862	0.000	99	236741	NC	NC	
11 2-Chlorophenol	128	3.910	3.910	0.000	90	116413	10.0	10.2	
12 n-Decane	43	3.961	3.961	0.000	93	159820	10.0	10.5	
13 1,3-Dichlorobenzene	146	4.054	4.054	0.000	94	139862	10.0	10.1	
* 14 1,4-Dichlorobenzene-d4	152	4.105	4.105	0.000	97	67771	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.124	4.124	0.000	93	142382	10.0	10.0	
16 Benzyl alcohol	108	4.245	4.245	0.000	90	76289	10.0	10.2	
17 1,2-Dichlorobenzene	146	4.271	4.271	0.000	95	134495	10.0	10.0	
18 2-Methylphenol	108	4.367	4.367	0.000	86	111399	10.0	10.2	
19 2,2'-oxybis[1-chloropropan	45	4.376	4.376	0.000	92	220671	10.0	10.3	
20 N-Methylaniline	106	4.491	4.491	0.000	93	195832	10.0	10.4	
21 Acetophenone	105	4.497	4.497	0.000	92	185166	10.0	10.2	
22 N-Nitrosodi-n-propylamine	70	4.504	4.504	0.000	92	99825	10.0	10.6	
24 4-Methylphenol	108	4.520	4.520	0.000	96	120375	10.0	10.2	
23 3 & 4 Methylphenol	108	4.520	4.520	0.000	64	120375	10.0	10.2	
25 Hexachloroethane	117	4.600	4.600	0.000	91	56558	10.0	10.7	
$ 27 Nitrobenzene-d5	82	4.644	4.644	0.000	93	139778	10.0	10.3	
28 Nitrobenzene	123	4.660	4.660	0.000	89	59778	10.0	10.1	
29 n,n'-Dimethylaniline	120	4.667	4.667	0.000	93	180275	10.0	10.3	
30 Isophorone	82	4.893	4.893	0.000	98	243890	10.0	10.3	
32 2-Nitrophenol	139	4.973	4.973	0.000	85	64800	10.0	10.3	
33 2,4-Dimethylphenol	122	5.031	5.031	0.000	87	102808	10.0	10.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.110	5.110	0.000	99	153928	10.0	10.1	
35 Benzoic acid	122	5.136	5.136	0.000	93	57283	10.0	10.2	
36 2,4-Dichlorophenol	162	5.213	5.213	0.000	94	106111	10.0	9.98	
37 1,2,4-Trichlorobenzene	180	5.286	5.286	0.000	94	120740	10.0	10.2	
* 38 Naphthalene-d8	136	5.337	5.337	0.000	99	262818	8.00	8.00	
39 Naphthalene	128	5.356	5.356	0.000	98	344970	10.0	10.1	
40 4-Chloroaniline	127	5.417	5.417	0.000	95	148440	10.0	10.1	
130 2,6-Dichlorophenol	162	5.427	5.427	0.000	95	107066	NC	NC	
41 Hexachlorobutadiene	225	5.490	5.490	0.000	95	72574	10.0	10.1	
42 Caprolactam	113	5.762	5.762	0.000	87	10732	4.00	4.05	
43 4-Chloro-3-methylphenol	107	5.905	5.905	0.000	97	102150	10.0	10.0	
44 2-Methylnaphthalene	142	6.027	6.027	0.000	84	232933	10.0	9.95	
45 1-Methylnaphthalene	142	6.119	6.119	0.000	92	220012	10.0	9.95	
46 Hexachlorocyclopentadiene	237	6.186	6.186	0.000	97	94885	10.0	10.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.189	6.189	0.000	98	124504	10.0	10.1	
48 2-tertbutyl-4-methylphenol	149	6.237	6.237	0.000	88	139202	10.0	10.1	
49 2,4,6-Trichlorophenol	196	6.304	6.304	0.000	89	78393	10.0	10.8	
50 2,4,5-Trichlorophenol	196	6.343	6.343	0.000	96	83961	10.0	10.3	
$ 51 2-Fluorobiphenyl	172	6.381	6.381	0.000	97	269339	10.0	10.3	
52 1,1'-Biphenyl	154	6.474	6.474	0.000	97	286350	10.0	10.2	
53 2-Chloronaphthalene	162	6.490	6.490	0.000	98	226471	10.0	10.1	
54 Phenyl ether	170	6.576	6.576	0.000	88	152327	10.0	10.2	
55 2-Nitroaniline	65	6.592	6.592	0.000	94	91963	10.0	10.7	
57 1,3-Dimethylnaphthalene	156	6.701	6.701	0.000	90	164453	10.0	10.2	
59 Dimethyl phthalate	163	6.774	6.774	0.000	97	246589	10.0	9.98	
60 Coumarin	146	6.784	6.784	0.000	79	83335	10.0	9.77	
61 2,6-Dinitrotoluene	165	6.825	6.825	0.000	92	54539	10.0	10.6	
62 Acenaphthylene	152	6.883	6.883	0.000	97	331703	10.0	10.2	
63 3-Nitroaniline	138	6.985	6.985	0.000	92	59755	10.0	10.3	
* 64 Acenaphthene-d10	164	7.017	7.017	0.000	97	140681	8.00	8.00	
66 Acenaphthene	154	7.049	7.049	0.000	97	210702	10.0	10.2	
65 3,5-di-tert-butyl-4-hydrox	205	7.055	7.055	0.000	98	198328	10.0	10.2	
67 2,4-Dinitrophenol	184	7.081	7.081	0.000	91	63641	20.0	22.4	
68 4-Nitrophenol	65	7.173	7.173	0.000	92	97037	20.0	20.4	
69 2,4-Dinitrotoluene	165	7.205	7.205	0.000	92	70951	10.0	10.6	
70 Dibenzofuran	168	7.212	7.212	0.000	96	322759	10.0	10.1	
72 2,3,4,6-Tetrachlorophenol	232	7.339	7.339	0.000	93	66042	10.0	10.1	
73 Diethyl phthalate	149	7.448	7.448	0.000	97	242276	10.0	9.94	
75 Fluorene	166	7.537	7.537	0.000	93	240906	10.0	10.0	
74 4-Chlorophenyl phenyl ethe	204	7.544	7.544	0.000	88	124612	10.0	10.0	
76 4-Nitroaniline	138	7.566	7.566	0.000	95	56337	10.0	10.1	
77 4,6-Dinitro-2-methylphenol	198	7.595	7.595	0.000	79	75120	20.0	22.0	
78 N-Nitrosodiphenylamine	169	7.659	7.659	0.000	56	168562	10.0	10.3	
79 1,2-Diphenylhydrazine	77	7.691	7.691	0.000	97	276451	10.0	10.5	
$ 80 2,4,6-Tribromophenol	330	7.768	7.768	0.000	95	46081	10.0	10.3	
81 4-Bromophenyl phenyl ether	248	8.004	8.004	0.000	87	71185	10.0	10.2	
82 Hexachlorobenzene	284	8.064	8.064	0.000	98	87725	10.0	10.2	
83 Atrazine	200	8.170	8.170	0.000	88	23931	4.00	4.16	
84 Pentachlorophenol	266	8.256	8.256	0.000	94	93463	20.0	21.7	
85 Pentachloronitrobenzene	237	8.266	8.266	0.000	88	34211	10.0	10.4	
86 n-Octadecane	57	8.349	8.349	0.000	92	206271	10.0	11.0	
* 87 Phenanthrene-d10	188	8.419	8.419	0.000	99	230604	8.00	8.00	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.442	8.442	0.000	99	335781	10.0	10.2	
89 Anthracene	178	8.489	8.489	0.000	98	343862	10.0	10.3	
90 Carbazole	167	8.649	8.649	0.000	96	289327	10.0	10.2	
91 Di-n-butyl phthalate	149	8.997	8.997	0.000	99	372042	10.0	10.6	
92 Fluoranthene	202	9.568	9.568	0.000	97	322356	10.0	10.2	
93 Benzidine	184	9.702	9.702	0.000	99	131647	10.0	10.1	
94 Pyrene	202	9.779	9.779	0.000	96	329502	10.0	10.5	
95 Bisphenol-A	213	9.849	9.849	0.000	98	122445	10.0	10.5	
$ 96 Terphenyl-d14	244	9.939	9.939	0.000	100	221832	10.0	10.4	
97 Butyl benzyl phthalate	149	10.427	10.427	0.000	98	129348	10.0	10.7	
98 2,3,7,8-TCDD	320	10.513	10.513	0.000	87	356	0.1000	0.1000	
99 Carbamazepine	193	10.529	10.529	0.000	92	104619	10.0	10.8	
100 3,3'-Dichlorobenzidine	252	10.992	10.992	0.000	99	103712	10.0	10.6	
101 Benzo[a]anthracene	228	11.008	11.008	0.000	100	270856	10.0	10.1	
* 102 Chrysene-d12	240	11.018	11.018	0.000	98	161939	8.00	8.00	
104 Chrysene	228	11.050	11.050	0.000	98	266551	10.0	10.1	
103 Bis(2-ethylhexyl) phthalat	149	11.085	11.085	0.000	88	195001	10.0	11.2	
105 Di-n-octyl phthalate	149	11.911	11.911	0.000	97	295260	10.0	10.8	
106 Benzo[b]fluoranthene	252	12.374	12.374	0.000	98	245495	10.0	10.5	
107 Benzo[k]fluoranthene	252	12.410	12.410	0.000	99	247846	10.0	10.1	
108 Benzo[a]pyrene	252	12.815	12.815	0.000	96	219862	10.0	10.7	
* 109 Perylene-d12	264	12.895	12.895	0.000	99	167986	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.402	14.402	0.000	99	230621	10.0	10.3	
111 Dibenz(a,h)anthracene	278	14.441	14.441	0.000	98	243184	10.0	10.9	
112 Benzo[g,h,i]perylene	276	14.802	14.802	0.000	97	246979	10.0	9.91	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL6_LVI_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2020 15:44:27 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132028.D

Injection Date: 20-Apr-2020 11:12:30 Instrument ID: CBNAMS17 Operator ID:

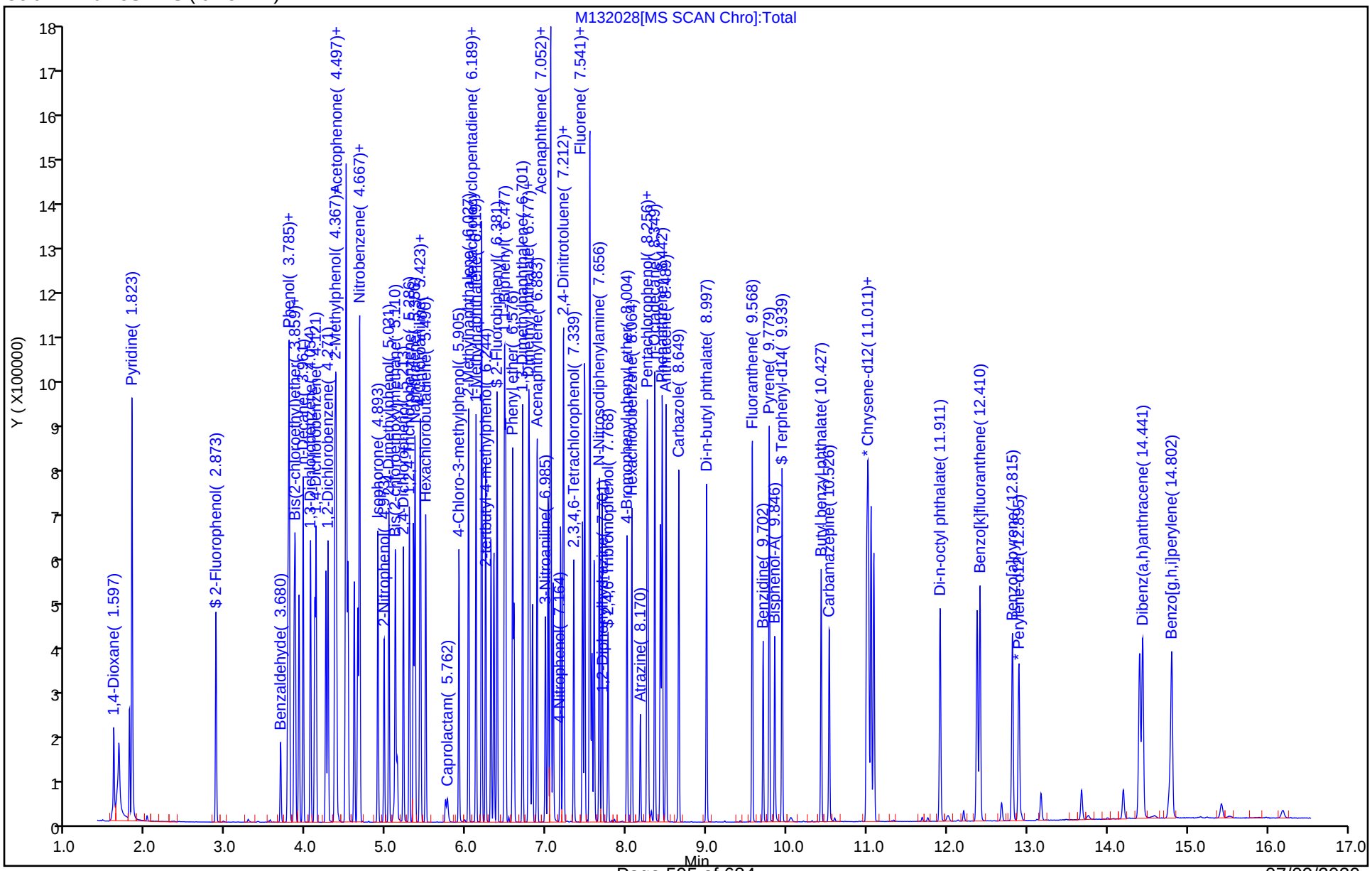
Lims ID: icis Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270LVI_17 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

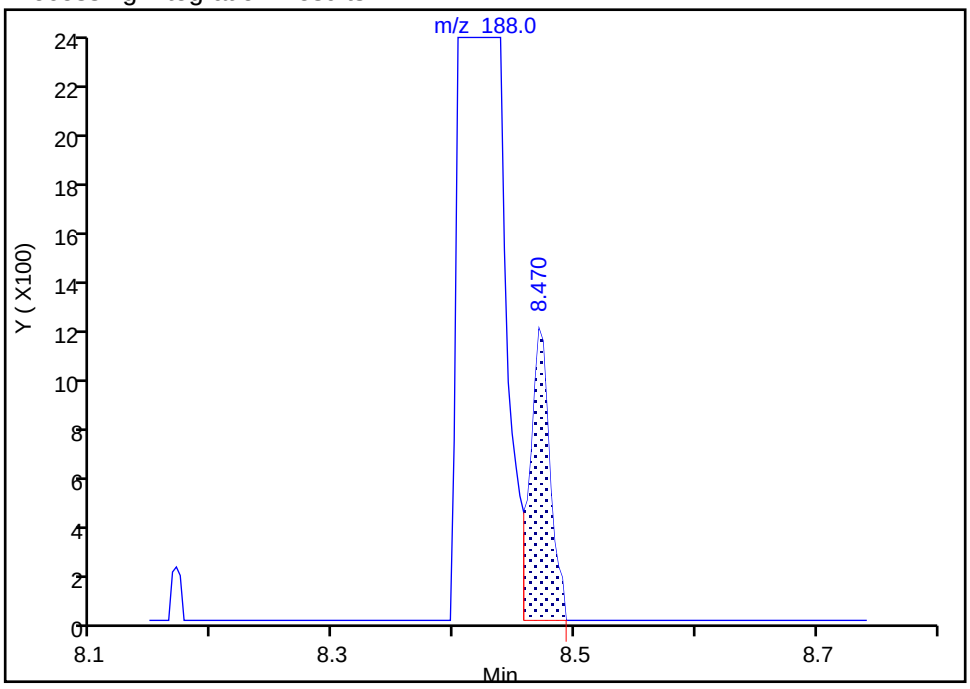
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Lims ID:	icis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

* 87 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

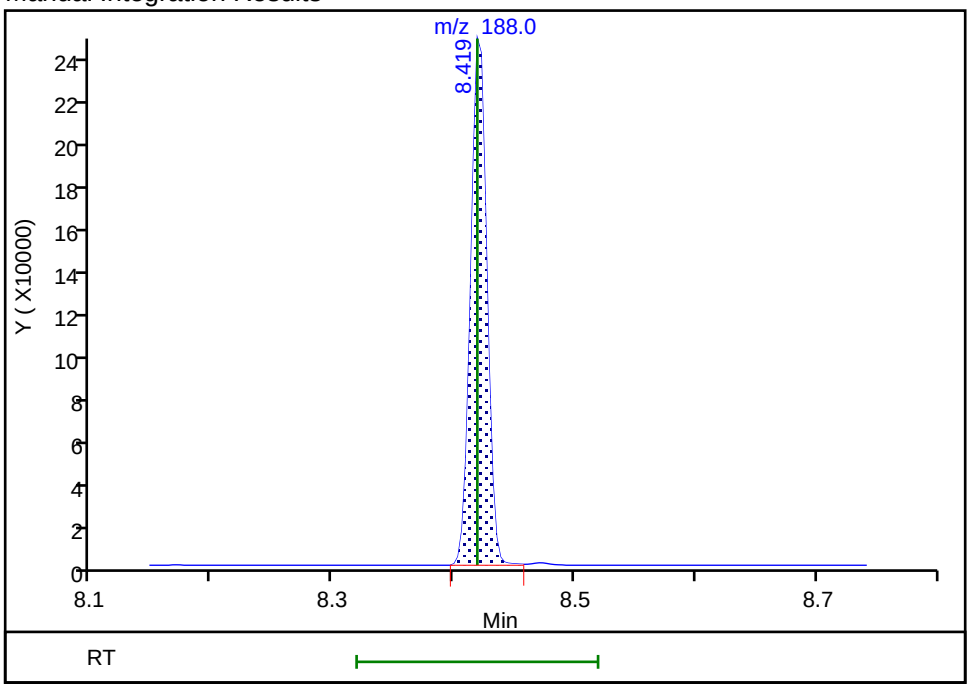
Processing Integration Results

RT: 8.47
Area: 1318
Amount: 8.000000
Amount Units: ug/ml



Manual Integration Results

RT: 8.42
Area: 230604
Amount: 8.000000
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 11:47:52

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132029.D
Lims ID: STD24
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 20-Apr-2020 11:33:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-003
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:32 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 12:07:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.584	1.597	-0.013	97	109373	24.0	20.9	
2 N-Nitrosodimethylamine	74	1.782	1.795	-0.013	80	179501	24.0	23.6	
3 Pyridine	79	1.811	1.823	-0.012	85	599577	48.0	46.4	
$ 4 2-Fluorophenol	112	2.864	2.873	-0.009	92	283924	24.0	25.1	
5 Benzaldehyde	77	3.674	3.680	-0.006	93	14417	6.40	1.37	
$ 6 Phenol-d5	99	3.773	3.769	0.004	96	358888	24.0	24.8	
7 Phenol	94	3.786	3.782	0.004	83	400102	24.0	23.9	
8 Aniline	93	3.786	3.789	-0.003	84	465348	24.0	23.8	
9 Bis(2-chloroethyl)ether	93	3.846	3.849	-0.003	91	279626	24.0	24.0	
10 Benzonitrile	103	3.862	3.862	0.000	99	576911	NC	NC	
11 2-Chlorophenol	128	3.907	3.910	-0.003	92	279672	24.0	24.0	
12 n-Decane	43	3.958	3.961	-0.003	93	362769	24.0	23.3	
13 1,3-Dichlorobenzene	146	4.051	4.054	-0.003	94	332839	24.0	23.5	
* 14 1,4-Dichlorobenzene-d4	152	4.102	4.105	-0.003	97	68982	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.121	4.124	-0.003	93	336112	24.0	23.3	
16 Benzyl alcohol	108	4.245	4.245	0.000	91	185711	24.0	24.4	
17 1,2-Dichlorobenzene	146	4.268	4.271	-0.003	95	318517	24.0	23.3	
18 2-Methylphenol	108	4.370	4.367	0.003	88	265239	24.0	23.8	
19 2,2'-oxybis[1-chloropropan	45	4.373	4.376	-0.003	92	500241	24.0	23.0	
20 N-Methylaniline	106	4.491	4.491	0.000	96	481662	24.0	25.2	a
21 Acetophenone	105	4.501	4.497	0.004	94	437129	24.0	23.6	
22 N-Nitrosodi-n-propylamine	70	4.507	4.504	0.003	92	231052	24.0	24.0	
24 4-Methylphenol	108	4.523	4.520	0.003	96	279276	24.0	23.3	
23 3 & 4 Methylphenol	108	4.523	4.520	0.003	64	280721	24.0	23.4	
25 Hexachloroethane	117	4.597	4.600	-0.003	92	134925	24.0	25.1	
$ 27 Nitrobenzene-d5	82	4.645	4.644	0.001	93	338522	24.0	25.0	
28 Nitrobenzene	123	4.664	4.660	0.004	89	140901	24.0	23.4	
29 n,n'-Dimethylaniline	120	4.670	4.667	0.003	93	445181	24.0	24.9	
30 Isophorone	82	4.897	4.893	0.004	98	561075	24.0	23.9	
32 2-Nitrophenol	139	4.970	4.973	-0.003	85	153630	24.0	24.7	
33 2,4-Dimethylphenol	122	5.034	5.031	0.003	88	240773	24.0	23.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.114	5.110	0.004	95	353874	24.0	23.3	
35 Benzoic acid	122	5.171	5.136	0.035	91	149067	24.0	26.7	
36 2,4-Dichlorophenol	162	5.213	5.213	0.000	94	253815	24.0	24.1	
37 1,2,4-Trichlorobenzene	180	5.286	5.286	0.000	94	288051	24.0	24.5	
* 38 Naphthalene-d8	136	5.338	5.337	0.001	99	260738	8.00	8.00	
39 Naphthalene	128	5.357	5.356	0.001	98	804187	24.0	23.8	
40 4-Chloroaniline	127	5.421	5.417	0.004	95	347431	24.0	23.7	
130 2,6-Dichlorophenol	162	5.430	5.427	0.003	96	253745	NC	NC	
41 Hexachlorobutadiene	225	5.491	5.490	0.001	96	173437	24.0	24.4	
42 Caprolactam	113	5.807	5.762	0.045	86	16791	6.40	6.39	M
43 4-Chloro-3-methylphenol	107	5.909	5.905	0.004	98	240077	24.0	23.8	
44 2-Methylnaphthalene	142	6.027	6.027	0.000	84	547985	24.0	23.6	
45 1-Methylnaphthalene	142	6.120	6.119	0.001	92	505096	24.0	23.0	
46 Hexachlorocyclopentadiene	237	6.187	6.186	0.001	97	228773	24.0	25.6	
47 1,2,4,5-Tetrachlorobenzene	216	6.190	6.189	0.001	97	297362	24.0	24.6	
48 2-tertbutyl-4-methylphenol	149	6.241	6.237	0.004	88	343760	24.0	25.2	
49 2,4,6-Trichlorophenol	196	6.305	6.304	0.001	89	182420	24.0	25.5	
50 2,4,5-Trichlorophenol	196	6.344	6.343	0.001	96	194746	24.0	24.3	
$ 51 2-Fluorobiphenyl	172	6.385	6.381	0.004	97	648543	24.0	25.2	
52 1,1'-Biphenyl	154	6.478	6.474	0.004	97	653460	24.0	23.6	
53 2-Chloronaphthalene	162	6.491	6.490	0.001	98	532001	24.0	24.1	
54 Phenyl ether	170	6.577	6.576	0.001	88	367099	24.0	24.9	
55 2-Nitroaniline	65	6.596	6.592	0.004	95	174226	24.0	20.6	
57 1,3-Dimethylnaphthalene	156	6.702	6.701	0.001	90	395303	24.0	25.0	
59 Dimethyl phthalate	163	6.781	6.774	0.007	98	568902	24.0	23.4	
60 Coumarin	146	6.788	6.784	0.004	78	198959	24.0	23.5	
61 2,6-Dinitrotoluene	165	6.829	6.825	0.004	92	123950	24.0	24.4	
62 Acenaphthylene	152	6.884	6.883	0.001	97	760655	24.0	23.8	
63 3-Nitroaniline	138	6.989	6.985	0.004	92	135602	24.0	23.6	
* 64 Acenaphthene-d10	164	7.018	7.017	0.001	97	138408	8.00	8.00	
66 Acenaphthene	154	7.050	7.049	0.001	97	480011	24.0	23.5	
65 3,5-di-tert-butyl-4-hydrox	205	7.056	7.055	0.001	98	485810	24.0	25.5	
67 2,4-Dinitrophenol	184	7.088	7.081	0.007	92	153188	48.0	54.8	
68 4-Nitrophenol	65	7.181	7.173	0.008	92	214414	48.0	45.8	
69 2,4-Dinitrotoluene	165	7.210	7.205	0.005	93	162492	24.0	24.7	
70 Dibenzofuran	168	7.216	7.212	0.004	95	719325	24.0	22.9	
72 2,3,4,6-Tetrachlorophenol	232	7.341	7.339	0.002	94	156706	24.0	24.5	
73 Diethyl phthalate	149	7.453	7.448	0.005	98	557674	24.0	23.3	
75 Fluorene	166	7.539	7.537	0.002	94	551317	24.0	23.3	
74 4-Chlorophenyl phenyl ethe	204	7.542	7.544	-0.002	88	288787	24.0	23.6	
76 4-Nitroaniline	138	7.577	7.566	0.011	93	124091	24.0	22.7	
77 4,6-Dinitro-2-methylphenol	198	7.600	7.595	0.005	83	180073	48.0	53.8	
78 N-Nitrosodiphenylamine	169	7.661	7.659	0.001	56	384372	24.0	23.9	
79 1,2-Diphenylhydrazine	77	7.696	7.691	0.005	97	621370	24.0	24.0	
$ 80 2,4,6-Tribromophenol	330	7.769	7.768	0.001	94	114692	24.0	26.0	
81 4-Bromophenyl phenyl ether	248	8.006	8.004	0.002	88	165452	24.0	24.3	
82 Hexachlorobenzene	284	8.066	8.064	0.002	97	210017	24.0	24.8	
83 Atrazine	200	8.172	8.170	0.002	89	36447	6.40	6.47	
84 Pentachlorophenol	266	8.258	8.256	0.002	95	235573	48.0	55.7	
85 Pentachloronitrobenzene	237	8.268	8.266	0.002	89	83859	24.0	26.1	
86 n-Octadecane	57	8.351	8.349	0.002	92	459067	24.0	24.9	
* 87 Phenanthrene-d10	188	8.421	8.419	0.002	99	226003	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.447	8.442	0.005	99	744261	24.0	23.1	
89 Anthracene	178	8.495	8.489	0.006	98	772411	24.0	23.6	
90 Carbazole	167	8.651	8.649	0.002	96	646899	24.0	23.4	
91 Di-n-butyl phthalate	149	8.996	8.997	-0.001	99	850296	24.0	24.7	
92 Fluoranthene	202	9.567	9.568	-0.001	97	731824	24.0	23.6	
93 Benzidine	184	9.704	9.702	0.002	99	328457	24.0	23.9	
94 Pyrene	202	9.781	9.779	0.002	96	745978	24.0	22.1	
95 Bisphenol-A	213	9.848	9.849	-0.001	98	319399	24.0	25.5	
$ 96 Terphenyl-d14	244	9.941	9.939	0.002	100	544103	24.0	23.6	
97 Butyl benzyl phthalate	149	10.429	10.427	0.002	98	316046	24.0	24.3	
99 Carbamazepine	193	10.535	10.529	0.006	92	300818	24.0	28.9	
100 3,3'-Dichlorobenzidine	252	10.998	10.992	0.006	99	280999	24.0	26.7	
101 Benzo[a]anthracene	228	11.011	11.008	0.003	100	682741	24.0	23.7	
* 102 Chrysene-d12	240	11.023	11.018	0.005	99	174318	8.00	8.00	
104 Chrysene	228	11.056	11.050	0.006	98	665992	24.0	23.5	
103 Bis(2-ethylhexyl) phthalat	149	11.084	11.085	-0.001	87	485348	24.0	25.8	
105 Di-n-octyl phthalate	149	11.914	11.911	0.003	97	796295	24.0	24.3	
106 Benzo[b]fluoranthene	252	12.380	12.374	0.006	99	673528	24.0	24.1	
107 Benzo[k]fluoranthene	252	12.419	12.410	0.009	99	722712	24.0	24.5	
108 Benzo[a]pyrene	252	12.821	12.815	0.006	96	623750	24.0	25.4	
* 109 Perylene-d12	264	12.898	12.895	0.003	98	201647	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.415	14.402	0.013	99	740726	24.0	27.7	
111 Dibenz(a,h)anthracene	278	14.454	14.441	0.013	98	704834	24.0	26.3	
112 Benzo[g,h,i]perylene	276	14.821	14.802	0.019	97	755045	24.0	25.2	
S 119 Total Cresols	1				0			47.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNAL8_LVI_00001 Amount Added: 1.00 Units: mL

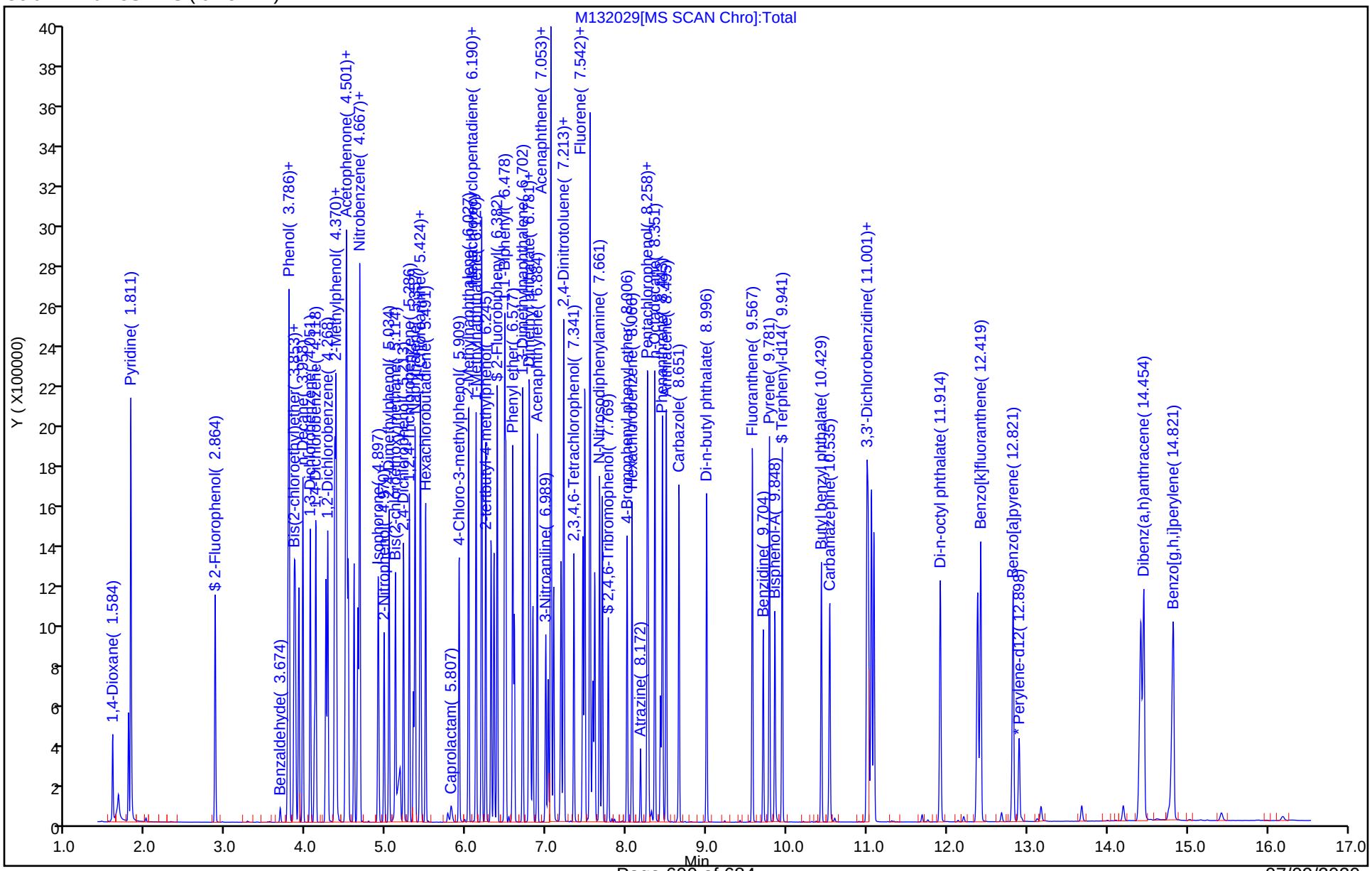
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Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132029.D

Injection Date:	20-Apr-2020 11:33:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	STD24			Worklist Smp#:	3
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	3
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

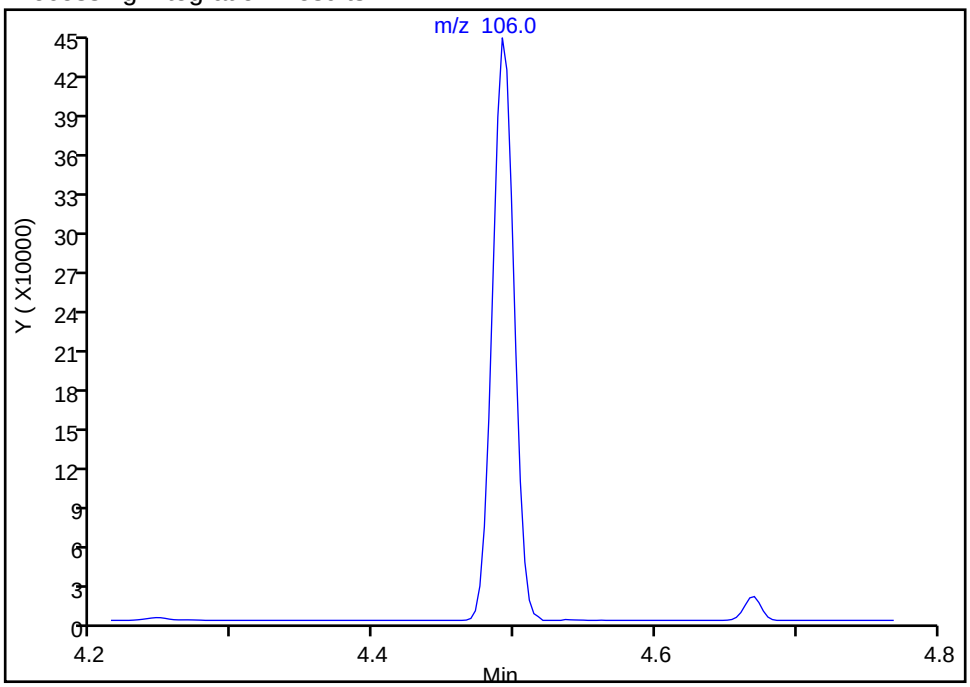
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Lims ID:	STD24				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

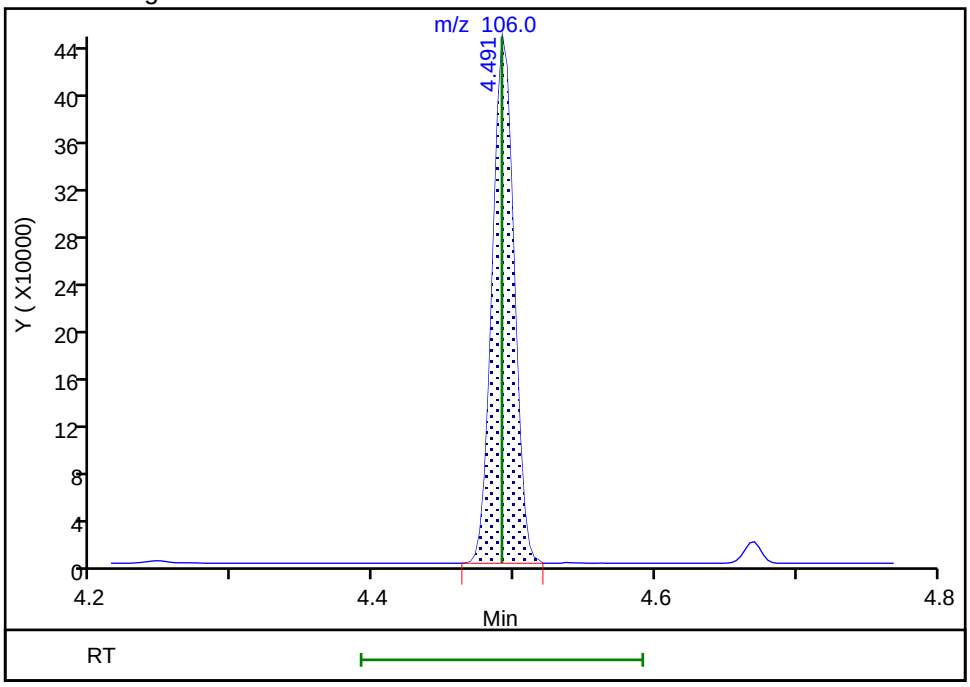
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.49
Area: 481662
Amount: 25.167111
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 12:06:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

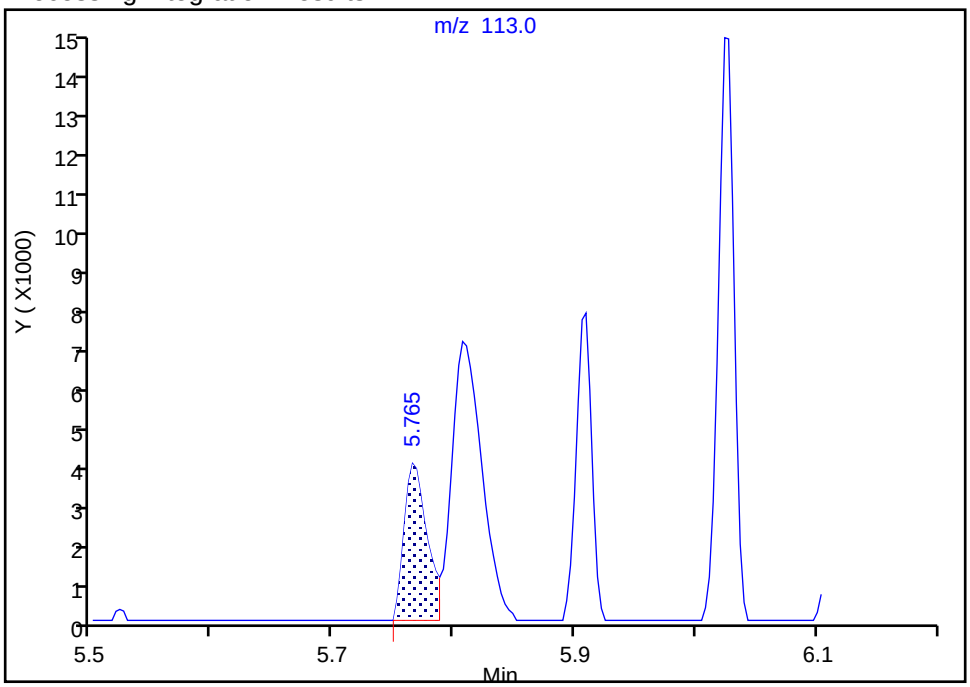
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Injection Date:	20-Apr-2020 11:33:30	Instrument ID:	CBNAMS17		
Lims ID:	STD24				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Signal: 1

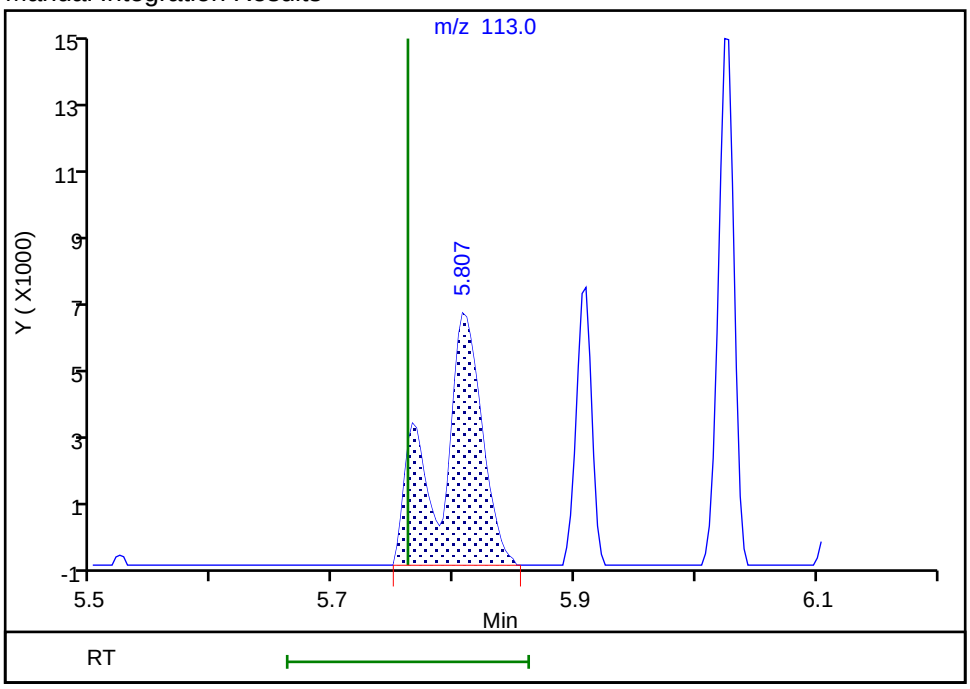
Processing Integration Results

RT: 5.77
Area: 5086
Amount: 2.942901
Amount Units: ug/ml



Manual Integration Results

RT: 5.81
Area: 16791
Amount: 6.390232
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 12:07:12

Audit Action: Manually Integrated Audit Reason: Split Peak

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132030.D
Lims ID: STD16
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 20-Apr-2020 11:54:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-004
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:38 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 12:23:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.587	1.597	-0.010	98	70436	16.0	14.2	
2 N-Nitrosodimethylamine	74	1.785	1.795	-0.010	81	115395	16.0	16.0	
3 Pyridine	79	1.814	1.823	-0.009	85	385316	32.0	31.5	
$ 4 2-Fluorophenol	112	2.870	2.873	-0.003	92	179335	16.0	16.8	
5 Benzaldehyde	77	3.680	3.680	0.000	93	25975	4.80	2.62	
$ 6 Phenol-d5	99	3.773	3.769	0.004	96	227094	16.0	16.6	
7 Phenol	94	3.785	3.782	0.003	98	254590	16.0	16.1	
8 Aniline	93	3.789	3.789	0.000	98	299297	16.0	16.2	
9 Bis(2-chloroethyl)ether	93	3.849	3.849	0.000	93	177707	16.0	16.1	
10 Benzonitrile	103	3.862	3.862	0.000	99	364520	NC	NC	
11 2-Chlorophenol	128	3.910	3.910	0.000	91	176599	16.0	16.0	
12 n-Decane	43	3.961	3.961	0.000	92	226324	16.0	15.4	
13 1,3-Dichlorobenzene	146	4.054	4.054	0.000	94	211546	16.0	15.8	
* 14 1,4-Dichlorobenzene-d4	152	4.105	4.105	0.000	97	65189	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.121	4.124	-0.003	93	216640	16.0	15.9	
16 Benzyl alcohol	108	4.245	4.245	0.000	90	118072	16.0	16.4	
17 1,2-Dichlorobenzene	146	4.271	4.271	0.000	95	204072	16.0	15.8	
18 2-Methylphenol	108	4.370	4.367	0.003	87	169660	16.0	16.1	
19 2,2'-oxybis[1-chloropropan	45	4.376	4.376	0.000	92	319687	16.0	15.6	
20 N-Methylaniline	106	4.491	4.491	0.000	94	302978	16.0	16.8	
21 Acetophenone	105	4.501	4.497	0.004	92	279526	16.0	16.0	
22 N-Nitrosodi-n-propylamine	70	4.504	4.504	0.000	92	150350	16.0	16.5	
24 4-Methylphenol	108	4.520	4.520	0.000	96	182925	16.0	16.2	
23 3 & 4 Methylphenol	108	4.520	4.520	0.000	62	182925	16.0	16.2	
25 Hexachloroethane	117	4.596	4.600	-0.004	93	84953	16.0	16.7	
$ 27 Nitrobenzene-d5	82	4.644	4.644	0.000	92	214279	16.0	16.6	
28 Nitrobenzene	123	4.663	4.660	0.003	89	90647	16.0	16.0	
29 n,n'-Dimethylaniline	120	4.667	4.667	0.000	93	276986	16.0	16.4	
30 Isophorone	82	4.893	4.893	0.000	98	364127	16.0	16.2	
32 2-Nitrophenol	139	4.970	4.973	-0.003	85	98948	16.0	16.6	
33 2,4-Dimethylphenol	122	5.031	5.031	-0.001	88	156638	16.0	16.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.110	5.110	0.000	97	228383	16.0	15.7	
35 Benzoic acid	122	5.152	5.136	0.016	91	97585	16.0	18.2	
36 2,4-Dichlorophenol	162	5.213	5.213	0.000	94	163430	16.0	16.2	
37 1,2,4-Trichlorobenzene	180	5.286	5.286	0.000	94	184357	16.0	16.4	
* 38 Naphthalene-d8	136	5.337	5.337	0.000	100	249434	8.00	8.00	
39 Naphthalene	128	5.356	5.356	0.000	98	518017	16.0	16.0	
40 4-Chloroaniline	127	5.420	5.417	0.003	95	224391	16.0	16.0	
130 2,6-Dichlorophenol	162	5.427	5.427	0.000	96	162713	NC	NC	
41 Hexachlorobutadiene	225	5.490	5.490	0.000	95	108923	16.0	16.0	
42 Caprolactam	113	5.781	5.762	0.019	84	13006	4.80	5.17	M
43 4-Chloro-3-methylphenol	107	5.905	5.905	0.000	97	154847	16.0	16.0	
44 2-Methylnaphthalene	142	6.023	6.027	-0.004	84	352401	16.0	15.9	
45 1-Methylnaphthalene	142	6.119	6.119	0.000	92	330022	16.0	15.7	
46 Hexachlorocyclopentadiene	237	6.186	6.186	0.000	97	148707	16.0	17.2	
47 1,2,4,5-Tetrachlorobenzene	216	6.190	6.189	0.001	97	191064	16.0	16.3	
48 2-tertbutyl-4-methylphenol	149	6.238	6.237	0.001	88	214890	16.0	16.5	
49 2,4,6-Trichlorophenol	196	6.305	6.304	0.001	89	118865	16.0	17.1	
50 2,4,5-Trichlorophenol	196	6.340	6.343	-0.003	96	127583	16.0	16.4	
$ 51 2-Fluorobiphenyl	172	6.381	6.381	0.000	97	414042	16.0	16.6	
52 1,1'-Biphenyl	154	6.474	6.474	0.000	97	426126	16.0	15.9	
53 2-Chloronaphthalene	162	6.490	6.490	0.000	98	342733	16.0	16.1	
54 Phenyl ether	170	6.576	6.576	0.000	88	236041	16.0	16.5	
55 2-Nitroaniline	65	6.592	6.592	0.000	96	136070	16.0	16.6	
57 1,3-Dimethylnaphthalene	156	6.701	6.701	0.000	90	248522	16.0	16.2	
59 Dimethyl phthalate	163	6.777	6.774	0.003	98	373985	16.0	15.9	
60 Coumarin	146	6.784	6.784	0.000	78	126995	16.0	15.7	
61 2,6-Dinitrotoluene	165	6.825	6.825	0.000	92	82743	16.0	16.8	
62 Acenaphthylene	152	6.883	6.883	0.000	97	496779	16.0	16.0	
63 3-Nitroaniline	138	6.985	6.985	0.000	91	89858	16.0	16.2	
* 64 Acenaphthene-d10	164	7.017	7.017	0.000	97	134137	8.00	8.00	
66 Acenaphthene	154	7.049	7.049	0.000	97	316111	16.0	16.0	
65 3,5-di-tert-butyl-4-hydrox	205	7.055	7.055	0.000	98	307954	16.0	16.7	
67 2,4-Dinitrophenol	184	7.084	7.081	0.003	92	99147	32.0	36.6	
68 4-Nitrophenol	65	7.177	7.173	0.004	92	144742	32.0	31.9	
69 2,4-Dinitrotoluene	165	7.206	7.205	0.001	92	107503	16.0	16.8	
70 Dibenzofuran	168	7.212	7.212	0.000	96	475348	16.0	15.6	
72 2,3,4,6-Tetrachlorophenol	232	7.340	7.339	0.001	94	101547	16.0	16.4	
73 Diethyl phthalate	149	7.448	7.448	0.000	97	362764	16.0	15.6	
75 Fluorene	166	7.538	7.537	0.001	93	363890	16.0	15.9	
74 4-Chlorophenyl phenyl ethe	204	7.541	7.544	-0.003	88	188203	16.0	15.9	
76 4-Nitroaniline	138	7.570	7.566	0.004	93	84215	16.0	15.9	
77 4,6-Dinitro-2-methylphenol	198	7.595	7.595	0.000	81	116431	32.0	35.7	
78 N-Nitrosodiphenylamine	169	7.659	7.659	0.000	56	255179	16.0	16.3	
79 1,2-Diphenylhydrazine	77	7.691	7.691	0.000	98	410225	16.0	16.3	
$ 80 2,4,6-Tribromophenol	330	7.768	7.768	0.000	95	73672	16.0	17.2	
81 4-Bromophenyl phenyl ether	248	8.004	8.004	0.000	88	109122	16.0	16.4	
82 Hexachlorobenzene	284	8.065	8.064	0.001	97	138475	16.0	16.8	
83 Atrazine	200	8.170	8.170	0.000	89	28045	4.80	5.11	
84 Pentachlorophenol	266	8.257	8.256	0.001	94	150934	32.0	36.6	
85 Pentachloronitrobenzene	237	8.266	8.266	0.000	89	53692	16.0	17.1	
86 n-Octadecane	57	8.349	8.349	0.000	93	296459	16.0	16.5	
* 87 Phenanthrene-d10	188	8.420	8.419	0.001	99	220335	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.442	8.442	0.000	99	501225	16.0	16.0	
89 Anthracene	178	8.490	8.489	0.001	98	510845	16.0	16.0	
90 Carbazole	167	8.650	8.649	0.001	96	429223	16.0	15.9	
91 Di-n-butyl phthalate	149	8.994	8.997	-0.003	99	558669	16.0	16.6	
92 Fluoranthene	202	9.566	9.568	-0.002	97	485386	16.0	16.0	
93 Benzidine	184	9.703	9.702	0.001	99	210596	16.0	16.1	
94 Pyrene	202	9.779	9.779	0.000	96	504291	16.0	15.5	
95 Bisphenol-A	213	9.847	9.849	-0.002	98	202345	16.0	16.8	
$ 96 Terphenyl-d14	244	9.939	9.939	0.000	100	357662	16.0	16.1	
97 Butyl benzyl phthalate	149	10.428	10.427	0.001	98	207717	16.0	16.6	
99 Carbamazepine	193	10.530	10.529	0.001	93	184194	16.0	18.4	
100 3,3'-Dichlorobenzidine	252	10.993	10.992	0.001	100	178771	16.0	17.7	
101 Benzo[a]anthracene	228	11.009	11.008	0.001	100	443570	16.0	16.0	
* 102 Chrysene-d12	240	11.018	11.018	0.000	99	167693	8.00	8.00	
104 Chrysene	228	11.050	11.050	0.000	98	429502	16.0	15.7	
103 Bis(2-ethylhexyl) phthalat	149	11.082	11.085	-0.003	88	311836	16.0	17.3	
105 Di-n-octyl phthalate	149	11.912	11.911	0.001	97	494571	16.0	16.4	
106 Benzo[b]fluoranthene	252	12.375	12.374	0.001	98	431997	16.0	16.8	
107 Benzo[k]fluoranthene	252	12.414	12.410	0.004	99	442784	16.0	16.3	
108 Benzo[a]pyrene	252	12.819	12.815	0.004	96	386626	16.0	17.1	
* 109 Perylene-d12	264	12.896	12.895	0.001	99	185479	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.406	14.402	0.004	99	441059	16.0	17.9	
111 Dibenz(a,h)anthracene	278	14.445	14.441	0.004	98	450763	16.0	18.3	
112 Benzo[g,h,i]perylene	276	14.809	14.802	0.007	97	476549	16.0	17.3	
S 119 Total Cresols	1				0			32.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_BNAL7_LVI_00001 Amount Added: 1.00 Units: mL

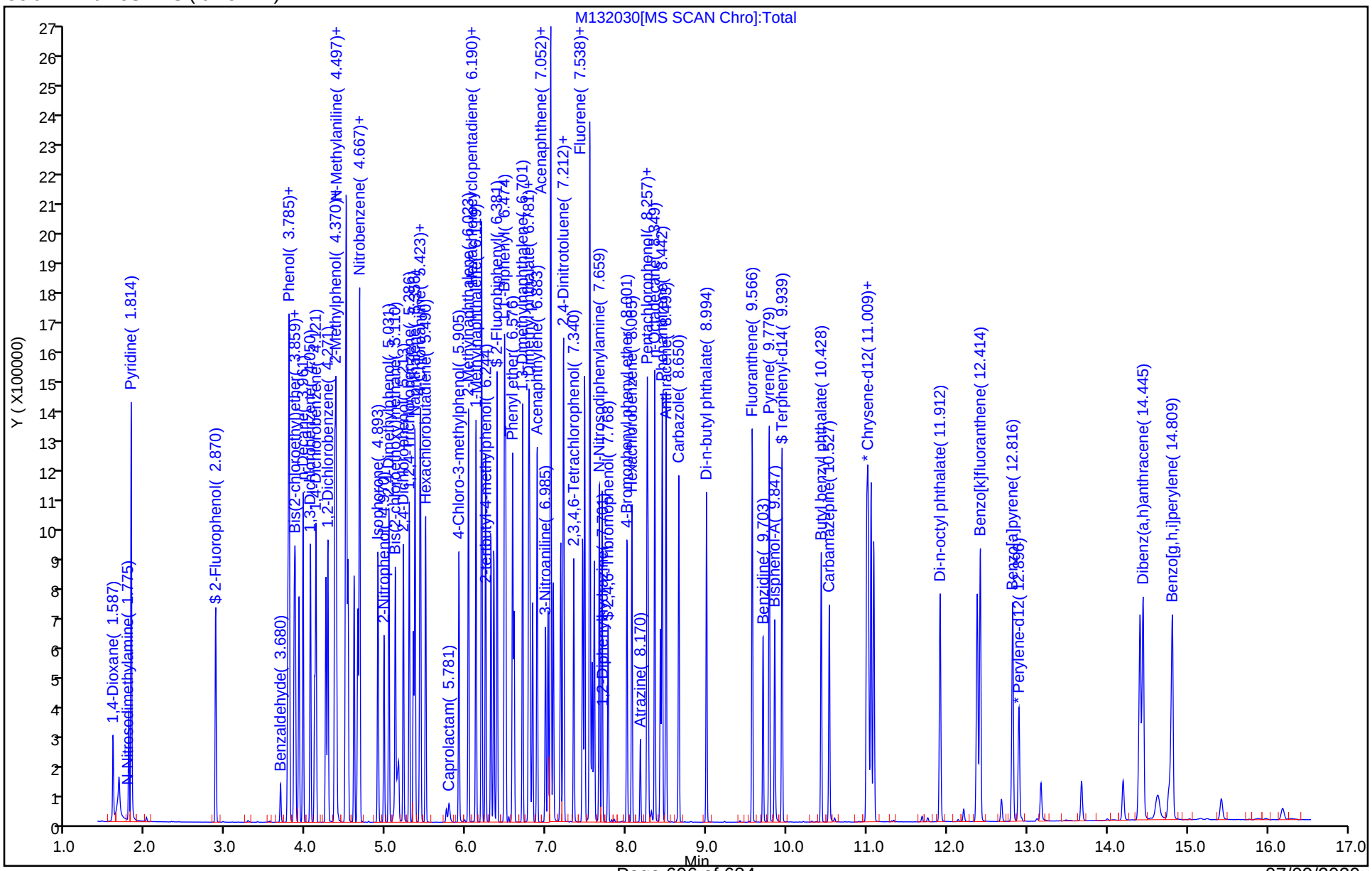
Report Date: 20-Apr-2020 15:44:39 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132030.D

Injection Date:	20-Apr-2020 11:54:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	STD16			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

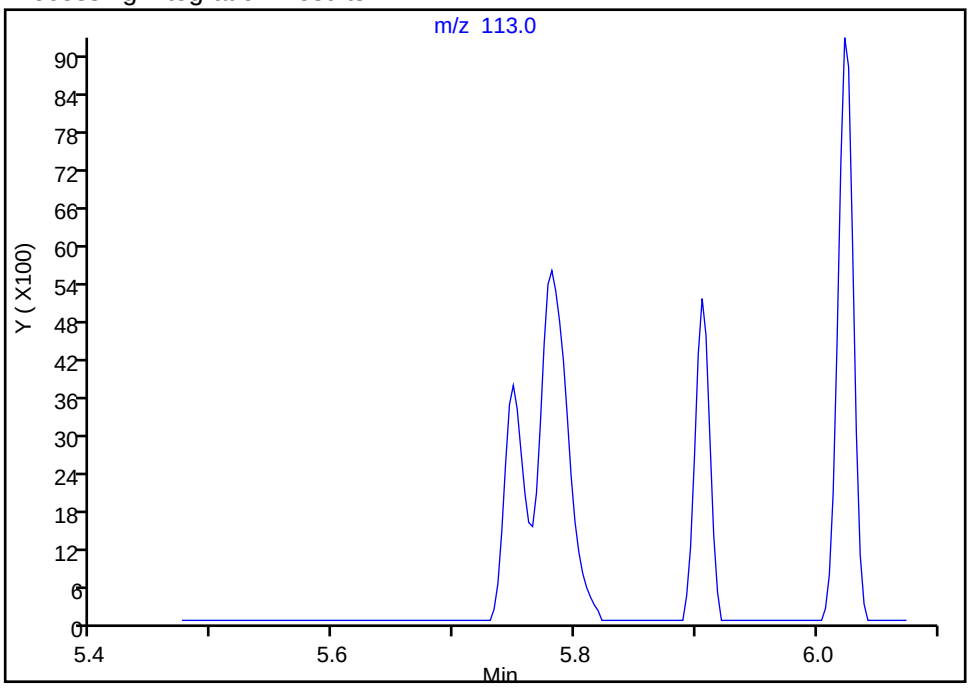
Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132030.D				
Injection Date:	20-Apr-2020 11:54:30	Instrument ID:	CBNAMS17		
Lims ID:	STD16				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Signal: 1

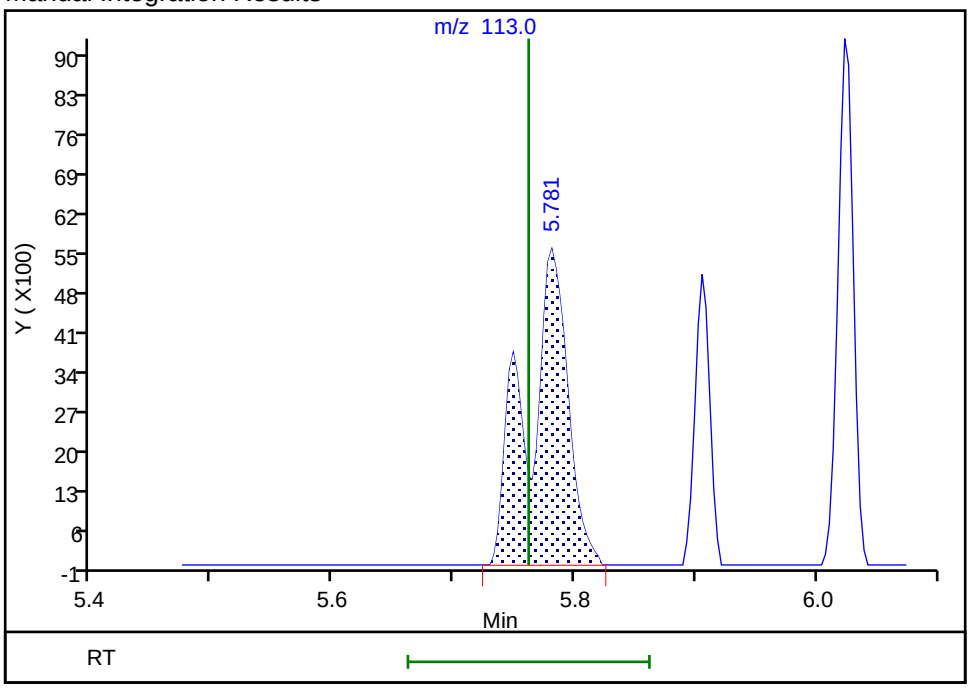
Not Detected
Expected RT: 5.76

Processing Integration Results



Manual Integration Results

RT: 5.78
Area: 13006
Amount: 5.174072
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 12:23:34
Audit Action: Manually Integrated Audit Reason: Missed Peak

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132031.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 20-Apr-2020 12:16:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-005
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:44 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 12:49:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.587	1.597	-0.010	98	21313	4.00	4.05	
2 N-Nitrosodimethylamine	74	1.782	1.795	-0.013	80	31014	4.00	4.05	
3 Pyridine	79	1.814	1.823	-0.009	84	102480	8.00	7.88	
$ 4 2-Fluorophenol	112	2.863	2.873	-0.010	91	44389	4.00	3.90	
5 Benzaldehyde	77	3.671	3.680	-0.009	93	35344	3.20	3.34	
$ 6 Phenol-d5	99	3.760	3.769	-0.009	96	56288	4.00	3.87	
7 Phenol	94	3.773	3.782	-0.009	92	67747	4.00	4.03	
8 Aniline	93	3.779	3.789	-0.010	92	78818	4.00	4.01	
9 Bis(2-chloroethyl)ether	93	3.840	3.849	-0.009	94	47944	4.00	4.09	
10 Benzonitrile	103	3.852	3.862	-0.010	99	97100	NC	NC	
11 2-Chlorophenol	128	3.900	3.910	-0.010	91	46900	4.00	4.00	
12 n-Decane	43	3.955	3.961	-0.006	92	61266	4.00	3.92	
13 1,3-Dichlorobenzene	146	4.047	4.054	-0.007	95	56959	4.00	4.00	
* 14 1,4-Dichlorobenzene-d4	152	4.101	4.105	-0.004	97	69372	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.117	4.124	-0.007	95	57974	4.00	4.00	
16 Benzyl alcohol	108	4.239	4.245	-0.006	90	31152	4.00	4.07	
17 1,2-Dichlorobenzene	146	4.267	4.271	-0.004	95	54454	4.00	3.96	
18 2-Methylphenol	108	4.360	4.367	-0.007	86	44574	4.00	3.97	
19 2,2'-oxybis[1-chloropropan	45	4.373	4.376	-0.003	92	86848	4.00	3.97	
20 N-Methylaniline	106	4.484	4.491	-0.007	97	79932	4.00	4.15	
21 Acetophenone	105	4.491	4.497	-0.006	95	74497	4.00	4.00	
22 N-Nitrosodi-n-propylamine	70	4.497	4.504	-0.007	93	40638	4.00	4.20	
24 4-Methylphenol	108	4.513	4.520	-0.007	96	48778	4.00	4.05	
23 3 & 4 Methylphenol	108	4.513	4.520	-0.007	64	48778	4.00	4.05	
25 Hexachloroethane	117	4.593	4.600	-0.007	92	22237	4.00	4.11	
$ 27 Nitrobenzene-d5	82	4.638	4.644	-0.006	92	54007	4.00	3.90	
28 Nitrobenzene	123	4.657	4.660	-0.003	90	23991	4.00	4.00	
29 n,n'-Dimethylaniline	120	4.663	4.667	-0.004	93	72076	4.00	4.02	
30 Isophorone	82	4.887	4.893	-0.006	98	99929	4.00	4.15	
32 2-Nitrophenol	139	4.970	4.973	-0.003	85	25622	4.00	4.01	
33 2,4-Dimethylphenol	122	5.027	5.031	-0.004	88	42206	4.00	4.06	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.107	5.110	-0.003	96	62138	4.00	3.99	
35 Benzoic acid	122	5.110	5.136	-0.026	91	24481	4.00	4.27	
36 2,4-Dichlorophenol	162	5.209	5.213	-0.004	94	43717	4.00	4.04	
37 1,2,4-Trichlorobenzene	180	5.282	5.286	-0.004	94	48727	4.00	4.04	
* 38 Naphthalene-d8	136	5.333	5.337	-0.004	99	267424	8.00	8.00	
39 Naphthalene	128	5.353	5.356	-0.003	98	139083	4.00	4.01	
40 4-Chloroaniline	127	5.413	5.417	-0.004	96	60354	4.00	4.02	
130 2,6-Dichlorophenol	162	5.423	5.427	-0.004	96	44008	NC	NC	
41 Hexachlorobutadiene	225	5.490	5.490	0.000	96	30301	4.00	4.16	
42 Caprolactam	113	5.723	5.762	-0.039	87	9248	3.20	3.43	
43 4-Chloro-3-methylphenol	107	5.901	5.905	-0.004	98	42396	4.00	4.10	
44 2-Methylnaphthalene	142	6.023	6.027	-0.004	83	96494	4.00	4.05	
45 1-Methylnaphthalene	142	6.115	6.119	-0.004	93	91603	4.00	4.07	
46 Hexachlorocyclopentadiene	237	6.185	6.186	-0.001	97	38566	4.00	3.95	
47 1,2,4,5-Tetrachlorobenzene	216	6.189	6.189	0.000	96	51168	4.00	3.87	
48 2-tertbutyl-4-methylphenol	149	6.237	6.237	0.000	88	56549	4.00	4.05	
49 2,4,6-Trichlorophenol	196	6.304	6.304	0.000	88	31338	4.00	4.01	
50 2,4,5-Trichlorophenol	196	6.339	6.343	-0.004	96	34168	4.00	3.90	
$ 51 2-Fluorobiphenyl	172	6.380	6.381	-0.001	97	108676	4.00	3.87	
52 1,1'-Biphenyl	154	6.473	6.474	-0.001	97	119834	4.00	3.96	
53 2-Chloronaphthalene	162	6.486	6.490	-0.004	98	93172	4.00	3.87	
54 Phenyl ether	170	6.575	6.576	-0.001	88	63926	4.00	3.97	
55 2-Nitroaniline	65	6.588	6.592	-0.004	94	37996	4.00	4.12	
57 1,3-Dimethylnaphthalene	156	6.696	6.701	-0.005	90	68760	4.00	3.99	
59 Dimethyl phthalate	163	6.770	6.774	-0.004	98	107611	4.00	4.05	
60 Coumarin	146	6.779	6.784	-0.005	79	35471	4.00	4.09	
61 2,6-Dinitrotoluene	165	6.821	6.825	-0.004	92	23303	4.00	4.21	
62 Acenaphthylene	152	6.878	6.883	-0.005	97	139652	4.00	4.00	
63 3-Nitroaniline	138	6.981	6.985	-0.004	91	25179	4.00	4.02	
* 64 Acenaphthene-d10	164	7.016	7.017	-0.001	97	151093	8.00	8.00	
66 Acenaphthene	154	7.044	7.049	-0.005	97	88522	4.00	3.97	
65 3,5-di-tert-butyl-4-hydrox	205	7.051	7.055	-0.004	98	81288	4.00	3.90	
67 2,4-Dinitrophenol	184	7.076	7.081	-0.005	91	24203	8.00	7.93	
68 4-Nitrophenol	65	7.169	7.173	-0.004	92	41589	8.00	8.14	
69 2,4-Dinitrotoluene	165	7.201	7.205	-0.004	92	30169	4.00	4.20	
70 Dibenzofuran	168	7.211	7.212	-0.001	96	136876	4.00	3.99	
72 2,3,4,6-Tetrachlorophenol	232	7.335	7.339	-0.004	94	27967	4.00	4.00	
73 Diethyl phthalate	149	7.444	7.448	-0.004	97	106998	4.00	4.09	
75 Fluorene	166	7.533	7.537	-0.004	93	104013	4.00	4.03	
74 4-Chlorophenyl phenyl ethe	204	7.539	7.544	-0.005	88	53219	4.00	3.98	
76 4-Nitroaniline	138	7.559	7.566	-0.007	95	24715	4.00	4.14	
77 4,6-Dinitro-2-methylphenol	198	7.587	7.595	-0.008	79	31093	8.00	7.93	
78 N-Nitrosodiphenylamine	169	7.654	7.659	-0.005	56	75127	4.00	3.99	
79 1,2-Diphenylhydrazine	77	7.690	7.691	-0.001	98	116880	4.00	3.86	
$ 80 2,4,6-Tribromophenol	330	7.763	7.768	-0.005	95	19093	4.00	3.97	
81 4-Bromophenyl phenyl ether	248	8.002	8.004	-0.002	87	31029	4.00	3.89	
82 Hexachlorobenzene	284	8.063	8.064	-0.001	98	39885	4.00	4.02	
83 Atrazine	200	8.168	8.170	-0.002	89	21537	3.20	3.26	
84 Pentachlorophenol	266	8.251	8.256	-0.005	94	38032	8.00	7.68	
85 Pentachloronitrobenzene	237	8.264	8.266	-0.002	89	14760	4.00	3.92	
86 n-Octadecane	57	8.347	8.349	-0.002	93	84092	4.00	3.90	
* 87 Phenanthrene-d10	188	8.417	8.419	-0.002	99	264826	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.440	8.442	-0.002	98	148247	4.00	3.93	
89 Anthracene	178	8.488	8.489	-0.001	98	153292	4.00	3.99	
90 Carbazole	167	8.647	8.649	-0.002	96	129160	4.00	3.98	
91 Di-n-butyl phthalate	149	8.995	8.997	-0.002	99	158706	4.00	3.93	
92 Fluoranthene	202	9.563	9.568	-0.005	97	145740	4.00	4.01	
93 Benzidine	184	9.700	9.702	-0.002	99	42013	4.00	3.60	
94 Pyrene	202	9.777	9.779	-0.002	96	148492	4.00	4.19	
95 Bisphenol-A	213	9.844	9.849	-0.005	97	53053	4.00	4.02	
$ 96 Terphenyl-d14	244	9.936	9.939	-0.003	100	95902	4.00	3.96	
97 Butyl benzyl phthalate	149	10.425	10.427	-0.002	98	55766	4.00	4.08	
99 Carbamazepine	193	10.523	10.529	-0.006	92	41853	4.00	3.82	
100 3,3'-Dichlorobenzidine	252	10.989	10.992	-0.003	99	45893	4.00	4.15	
101 Benzo[a]anthracene	228	11.005	11.008	-0.003	99	120808	4.00	3.99	
* 102 Chrysene-d12	240	11.015	11.018	-0.003	98	183220	8.00	8.00	
104 Chrysene	228	11.044	11.050	-0.006	98	120894	4.00	4.06	
103 Bis(2-ethylhexyl) phthalat	149	11.082	11.085	-0.003	88	83605	4.00	4.23	
105 Di-n-octyl phthalate	149	11.909	11.911	-0.002	97	121979	4.00	4.04	
106 Benzo[b]fluoranthene	252	12.368	12.374	-0.006	99	104032	4.00	4.03	
107 Benzo[k]fluoranthene	252	12.404	12.410	-0.006	99	112383	4.00	4.12	
108 Benzo[a]pyrene	252	12.809	12.815	-0.006	98	92721	4.00	4.08	
* 109 Perylene-d12	264	12.892	12.895	-0.003	99	186166	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.393	14.402	-0.009	99	96526	4.00	3.91	
111 Dibenz(a,h)anthracene	278	14.434	14.441	-0.007	97	99127	4.00	4.01	
112 Benzo[g,h,i]perylene	276	14.792	14.802	-0.010	97	105010	4.00	3.80	
S 119 Total Cresols	1				0			8.02	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL5_LVI_00001 Amount Added: 1.00 Units: mL

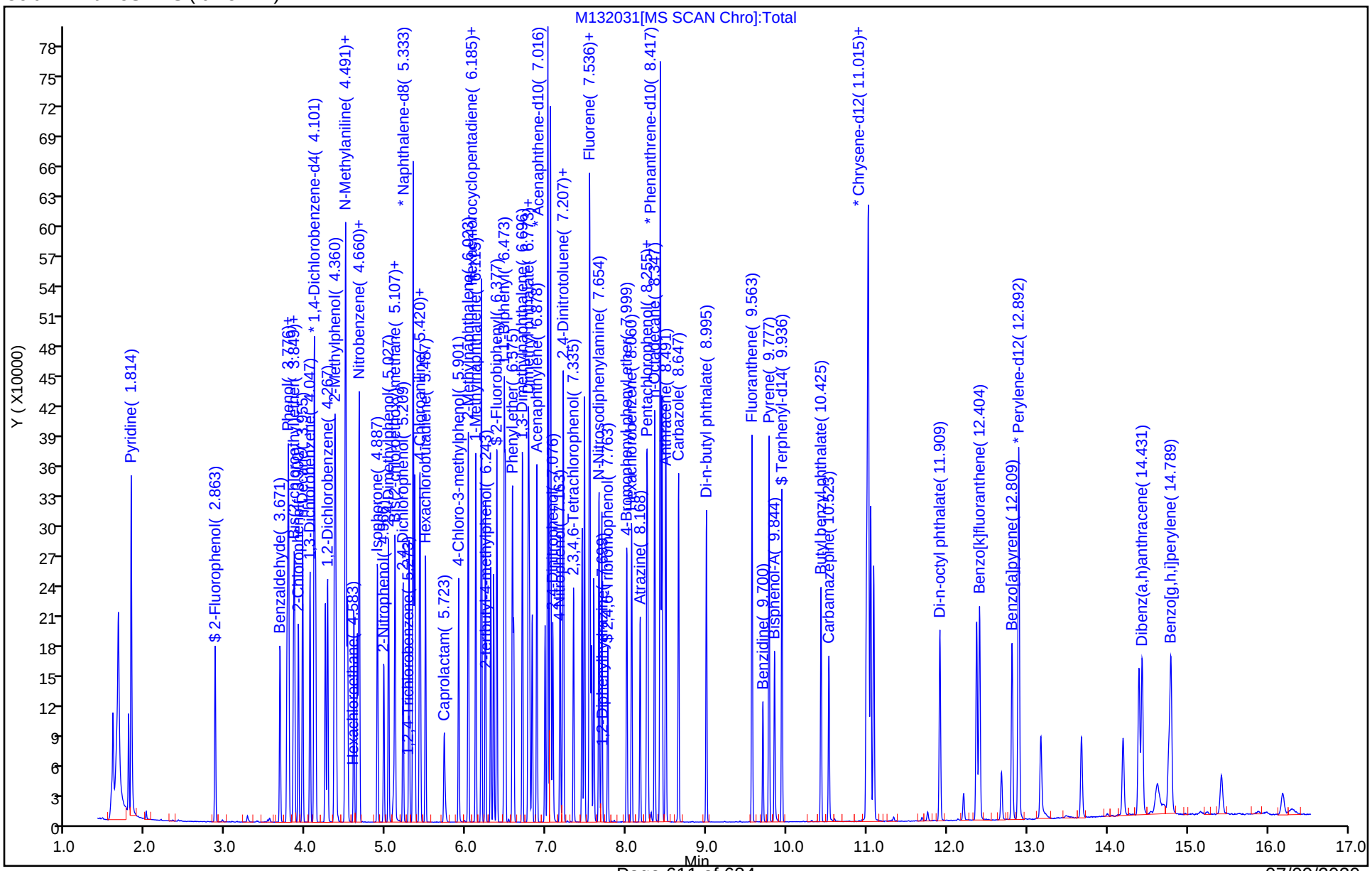
Report Date: 20-Apr-2020 15:44:44 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132031.D

Injection Date:	20-Apr-2020 12:16:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	STD4			Worklist Smp#:	5
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132032.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 20-Apr-2020 12:37:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-006
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:49 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 12:59:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.597	1.597	0.000	99	11564	2.00	2.24	
2 N-Nitrosodimethylamine	74	1.792	1.795	-0.003	80	15286	2.00	2.03	
3 Pyridine	79	1.824	1.823	0.001	84	52965	4.00	4.15	
$ 4 2-Fluorophenol	112	2.870	2.873	-0.003	92	21821	2.00	1.95	
5 Benzaldehyde	77	3.677	3.680	-0.003	93	21222	2.00	2.05	
$ 6 Phenol-d5	99	3.763	3.769	-0.006	96	27828	2.00	1.95	
7 Phenol	94	3.779	3.782	-0.003	96	33275	2.00	2.02	
8 Aniline	93	3.785	3.789	-0.004	98	39609	2.00	2.06	
9 Bis(2-chloroethyl)ether	93	3.846	3.849	-0.003	91	24319	2.00	2.11	
10 Benzonitrile	103	3.856	3.862	-0.006	99	46421	NC	NC	
11 2-Chlorophenol	128	3.907	3.910	-0.003	90	23230	2.00	2.02	
12 n-Decane	43	3.958	3.961	-0.003	92	31551	2.00	2.06	
13 1,3-Dichlorobenzene	146	4.050	4.054	-0.004	94	28874	2.00	2.07	
* 14 1,4-Dichlorobenzene-d4	152	4.105	4.105	-0.001	98	68018	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.121	4.124	-0.004	96	29233	2.00	2.06	
16 Benzyl alcohol	108	4.242	4.245	-0.003	90	14936	2.00	1.99	
17 1,2-Dichlorobenzene	146	4.270	4.271	-0.001	95	28099	2.00	2.08	
18 2-Methylphenol	108	4.363	4.367	-0.004	86	22466	2.00	2.04	
19 2,2'-oxybis[1-chloropropan	45	4.373	4.376	-0.003	92	43714	2.00	2.04	
20 N-Methylaniline	106	4.487	4.491	-0.004	94	37986	2.00	2.01	
21 Acetophenone	105	4.494	4.497	-0.003	93	36840	2.00	2.02	
22 N-Nitrosodi-n-propylamine	70	4.497	4.504	-0.007	92	19806	2.00	2.09	
24 4-Methylphenol	108	4.516	4.520	-0.004	97	23882	2.00	2.02	
23 3 & 4 Methylphenol	108	4.516	4.520	-0.004	64	23882	2.00	2.02	
25 Hexachloroethane	117	4.596	4.600	-0.004	91	11641	2.00	2.19	
$ 27 Nitrobenzene-d5	82	4.638	4.644	-0.006	92	26796	2.00	1.98	
28 Nitrobenzene	123	4.657	4.660	-0.003	90	11884	2.00	2.04	
29 n,n'-Dimethylaniline	120	4.663	4.667	-0.004	93	34767	2.00	1.98	
30 Isophorone	82	4.890	4.893	-0.003	98	48509	2.00	2.06	
32 2-Nitrophenol	139	4.969	4.973	-0.004	85	12504	2.00	2.01	
33 2,4-Dimethylphenol	122	5.027	5.031	-0.004	88	20668	2.00	2.04	

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	34 Bis(2-chloroethoxy)methane	93	5.107	5.110	-0.003	95	31035	2.00	2.05	
	35 Benzoic acid	122	5.094	5.136	-0.042	91	10394	2.00	1.86	
	36 2,4-Dichlorophenol	162	5.209	5.213	-0.004	94	21080	2.00	2.00	
	37 1,2,4-Trichlorobenzene	180	5.282	5.286	-0.004	95	24689	2.00	2.10	
*	38 Naphthalene-d8	136	5.333	5.337	-0.004	99	260741	8.00	8.00	
	39 Naphthalene	128	5.356	5.356	0.000	98	70567	2.00	2.09	
	40 4-Chloroaniline	127	5.413	5.417	-0.004	95	29738	2.00	2.03	
	130 2,6-Dichlorophenol	162	5.423	5.427	-0.004	96	21609	NC	NC	
	41 Hexachlorobutadiene	225	5.490	5.490	0.000	95	14864	2.00	2.09	
	42 Caprolactam	113	5.716	5.762	-0.046	87	5697	2.00	2.17	
	43 4-Chloro-3-methylphenol	107	5.901	5.905	-0.004	97	20435	2.00	2.03	
	44 2-Methylnaphthalene	142	6.022	6.027	-0.005	84	48647	2.00	2.09	
	45 1-Methylnaphthalene	142	6.115	6.119	-0.004	92	45344	2.00	2.07	
	46 Hexachlorocyclopentadiene	237	6.185	6.186	-0.001	97	17815	2.00	1.87	
	47 1,2,4,5-Tetrachlorobenzene	216	6.188	6.189	-0.001	97	26273	2.00	2.04	
	48 2-tertbutyl-4-methylphenol	149	6.236	6.237	-0.001	88	26988	2.00	1.98	
	49 2,4,6-Trichlorophenol	196	6.303	6.304	-0.001	88	15421	2.00	2.02	
	50 2,4,5-Trichlorophenol	196	6.338	6.343	-0.005	96	17159	2.00	2.01	
$	51 2-Fluorobiphenyl	172	6.380	6.381	-0.001	97	53898	2.00	1.97	
	52 1,1'-Biphenyl	154	6.472	6.474	-0.002	97	60609	2.00	2.05	
	53 2-Chloronaphthalene	162	6.485	6.490	-0.005	98	48003	2.00	2.04	
	54 Phenyl ether	170	6.575	6.576	-0.001	88	30868	2.00	1.96	
	55 2-Nitroaniline	65	6.587	6.592	-0.005	93	18924	2.00	2.10	
	57 1,3-Dimethylnaphthalene	156	6.696	6.701	-0.005	89	32781	2.00	1.95	
	59 Dimethyl phthalate	163	6.769	6.774	-0.005	97	53498	2.00	2.06	
	60 Coumarin	146	6.779	6.784	-0.005	78	17511	2.00	2.07	
	61 2,6-Dinitrotoluene	165	6.820	6.825	-0.005	90	10963	2.00	2.03	
	62 Acenaphthylene	152	6.878	6.883	-0.005	97	68769	2.00	2.02	
	63 3-Nitroaniline	138	6.980	6.985	-0.005	90	12373	2.00	2.02	
*	64 Acenaphthene-d10	164	7.015	7.017	-0.002	97	147491	8.00	8.00	
	66 Acenaphthene	154	7.044	7.049	-0.005	97	43530	2.00	2.00	
	65 3,5-di-tert-butyl-4-hydrox	205	7.050	7.055	-0.005	98	39278	2.00	1.93	
	67 2,4-Dinitrophenol	184	7.076	7.081	-0.005	91	10371	4.00	3.48	
	68 4-Nitrophenol	65	7.165	7.173	-0.008	93	20644	4.00	4.14	
	69 2,4-Dinitrotoluene	165	7.200	7.205	-0.005	91	14750	2.00	2.10	
	70 Dibenzofuran	168	7.210	7.212	-0.002	96	69441	2.00	2.07	
	72 2,3,4,6-Tetrachlorophenol	232	7.338	7.339	-0.001	92	13424	2.00	1.97	
	73 Diethyl phthalate	149	7.443	7.448	-0.005	97	52050	2.00	2.04	
	75 Fluorene	166	7.532	7.537	-0.005	96	51180	2.00	2.03	
	74 4-Chlorophenyl phenyl ethe	204	7.539	7.544	-0.005	88	26562	2.00	2.04	
	76 4-Nitroaniline	138	7.558	7.566	-0.008	94	11990	2.00	2.06	
	77 4,6-Dinitro-2-methylphenol	198	7.587	7.595	-0.008	79	14043	4.00	3.65	
	78 N-Nitrosodiphenylamine	169	7.654	7.659	-0.005	56	36842	2.00	2.00	
	79 1,2-Diphenylhydrazine	77	7.689	7.691	-0.002	98	60027	2.00	2.02	
$	80 2,4,6-Tribromophenol	330	7.765	7.768	-0.003	94	9085	2.00	1.93	
	81 4-Bromophenyl phenyl ether	248	8.001	8.004	-0.003	88	15773	2.00	2.02	
	82 Hexachlorobenzene	284	8.062	8.064	-0.002	97	19572	2.00	2.01	
	83 Atrazine	200	8.167	8.170	-0.003	88	12436	2.00	1.92	
	84 Pentachlorophenol	266	8.250	8.256	-0.006	94	17745	4.00	3.66	
	85 Pentachloronitrobenzene	237	8.263	8.266	-0.003	88	6994	2.00	1.89	
	86 n-Octadecane	57	8.349	8.349	0.000	93	40816	2.00	1.93	
*	87 Phenanthrene-d10	188	8.420	8.419	0.001	99	259661	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.439	8.442	-0.003	98	76351	2.00	2.06	
89 Anthracene	178	8.487	8.489	-0.002	98	75687	2.00	2.01	
90 Carbazole	167	8.646	8.649	-0.003	96	65725	2.00	2.06	
91 Di-n-butyl phthalate	149	8.994	8.997	-0.003	99	76449	2.00	1.93	
92 Fluoranthene	202	9.565	9.568	-0.003	97	71545	2.00	2.01	
93 Benzidine	184	9.699	9.702	-0.003	99	13225	2.00	1.90	
94 Pyrene	202	9.776	9.779	-0.003	96	73980	2.00	2.06	
95 Bisphenol-A	213	9.846	9.849	-0.003	97	25557	2.00	1.92	
$ 96 Terphenyl-d14	244	9.935	9.939	-0.004	100	47778	2.00	1.95	
97 Butyl benzyl phthalate	149	10.423	10.427	-0.004	98	26850	2.00	1.94	
99 Carbamazepine	193	10.522	10.529	-0.007	92	19266	2.00	1.74	
100 3,3'-Dichlorobenzidine	252	10.991	10.992	-0.001	99	22212	2.00	1.98	
101 Benzo[a]anthracene	228	11.004	11.008	-0.004	100	61983	2.00	2.02	
* 102 Chrysene-d12	240	11.017	11.018	-0.001	99	185374	8.00	8.00	
104 Chrysene	228	11.046	11.050	-0.004	98	60666	2.00	2.01	
103 Bis(2-ethylhexyl) phthalat	149	11.084	11.085	-0.001	88	40190	2.00	2.01	
105 Di-n-octyl phthalate	149	11.910	11.911	-0.001	97	59267	2.00	1.98	
106 Benzo[b]fluoranthene	252	12.367	12.374	-0.007	98	53556	2.00	2.10	
107 Benzo[k]fluoranthene	252	12.405	12.410	-0.005	99	57320	2.00	2.13	
108 Benzo[a]pyrene	252	12.810	12.815	-0.005	96	46152	2.00	2.06	
* 109 Perylene-d12	264	12.893	12.895	-0.002	99	184149	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.391	14.402	-0.011	99	50518	2.00	2.07	
111 Dibenz(a,h)anthracene	278	14.432	14.441	-0.009	98	50976	2.00	2.08	
112 Benzo[g,h,i]perylene	276	14.790	14.802	-0.012	97	53852	2.00	1.97	
S 119 Total Cresols	1				0			4.06	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL4_LVI_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2020 15:44:49 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132032.D

Injection Date: 20-Apr-2020 12:37:30 Instrument ID: CBNAMS17 Operator ID:

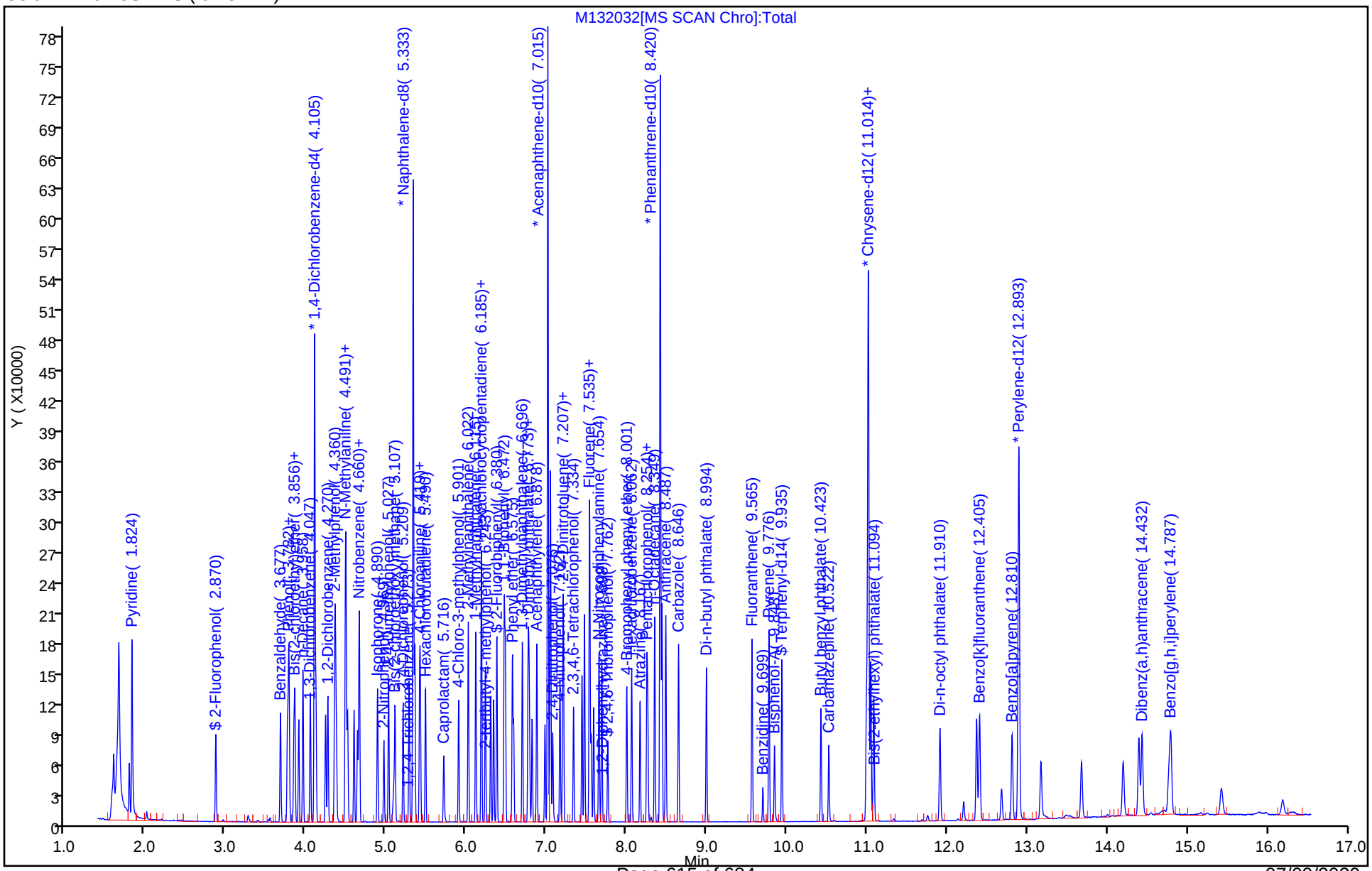
Lims ID: STD2 Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_17 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132033.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 20-Apr-2020 12:58:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-007
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:53 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 13:18:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.597	1.597	0.000	95	5944	1.00	1.15	
2 N-Nitrosodimethylamine	74	1.795	1.795	0.000	78	7271	1.00	0.9630	
3 Pyridine	79	1.830	1.823	0.007	84	25325	2.00	1.98	
$ 4 2-Fluorophenol	112	2.873	2.873	0.000	91	10770	1.00	0.9600	
5 Benzaldehyde	77	3.680	3.680	0.000	93	10649	1.00	1.02	
$ 6 Phenol-d5	99	3.763	3.769	-0.006	96	14042	1.00	0.9798	
7 Phenol	94	3.776	3.782	-0.006	93	15869	1.00	0.9577	
8 Aniline	93	3.785	3.789	-0.004	96	18052	1.00	0.9328	
9 Bis(2-chloroethyl)ether	93	3.846	3.849	-0.003	91	11710	1.00	1.01	
10 Benzonitrile	103	3.859	3.862	-0.004	99	23105	NC	NC	
11 2-Chlorophenol	128	3.906	3.910	-0.004	91	11246	1.00	0.9734	
12 n-Decane	43	3.957	3.961	-0.004	92	15551	1.00	1.01	
13 1,3-Dichlorobenzene	146	4.050	4.054	-0.004	94	13883	1.00	0.99	
* 14 1,4-Dichlorobenzene-d4	152	4.104	4.105	-0.001	98	68340	8.00	8.00	
15 1,4-Dichlorobenzene	146	4.120	4.124	-0.004	93	14348	1.00	1.00	
16 Benzyl alcohol	108	4.241	4.245	-0.004	90	6991	1.00	0.9267	
17 1,2-Dichlorobenzene	146	4.270	4.271	-0.001	94	13648	1.00	1.01	
18 2-Methylphenol	108	4.363	4.367	-0.004	86	10745	1.00	0.9723	
19 2,2'-oxybis[1-chloropropan	45	4.372	4.376	-0.004	92	22103	1.00	1.03	
20 N-Methylaniline	106	4.487	4.491	-0.004	96	18878	1.00	1.00	
21 Acetophenone	105	4.494	4.497	-0.003	95	18128	1.00	0.9887	
22 N-Nitrosodi-n-propylamine	70	4.497	4.504	-0.007	94	9780	1.00	1.03	
24 4-Methylphenol	108	4.516	4.520	-0.004	96	11511	1.00	0.9704	
23 3 & 4 Methylphenol	108	4.516	4.520	-0.004	64	11511	1.00	0.9696	
25 Hexachloroethane	117	4.596	4.600	-0.004	90	5682	1.00	1.07	
$ 27 Nitrobenzene-d5	82	4.640	4.644	-0.004	92	13129	1.00	0.9740	
28 Nitrobenzene	123	4.656	4.660	-0.004	89	5588	1.00	0.9797	
29 n,n'-Dimethylaniline	120	4.663	4.667	-0.004	93	17552	1.00	0.99	
30 Isophorone	82	4.889	4.893	-0.004	98	23361	1.00	1.00	
32 2-Nitrophenol	139	4.969	4.973	-0.004	83	5544	1.00	0.8931	
33 2,4-Dimethylphenol	122	5.026	5.031	-0.005	87	9707	1.00	0.9603	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	5.106	5.110	-0.004	94	15373	1.00	1.02	
35 Benzoic acid	122	5.084	5.136	-0.052	89	4099	1.00	0.7353	
36 2,4-Dichlorophenol	162	5.208	5.213	-0.005	92	10257	1.00	0.9756	
37 1,2,4-Trichlorobenzene	180	5.285	5.286	-0.001	94	12045	1.00	1.03	
* 38 Naphthalene-d8	136	5.336	5.337	-0.001	100	260001	8.00	8.00	
39 Naphthalene	128	5.355	5.356	-0.001	98	34625	1.00	1.03	
40 4-Chloroaniline	127	5.416	5.417	-0.001	96	14426	1.00	0.9874	
130 2,6-Dichlorophenol	162	5.422	5.427	-0.005	95	10481	NC	NC	
41 Hexachlorobutadiene	225	5.489	5.490	-0.001	95	7393	1.00	1.04	
42 Caprolactam	113	5.712	5.762	-0.050	86	2741	1.00	1.05	
43 4-Chloro-3-methylphenol	107	5.901	5.905	-0.004	96	9700	1.00	0.9642	
44 2-Methylnaphthalene	142	6.022	6.027	-0.005	84	24088	1.00	1.04	
45 1-Methylnaphthalene	142	6.114	6.119	-0.005	93	22882	1.00	1.05	
46 Hexachlorocyclopentadiene	237	6.185	6.186	-0.001	96	8620	1.00	0.8939	
47 1,2,4,5-Tetrachlorobenzene	216	6.188	6.189	-0.001	95	12539	1.00	0.9603	
48 2-tertbutyl-4-methylphenol	149	6.236	6.237	-0.001	88	13334	1.00	0.9815	
49 2,4,6-Trichlorophenol	196	6.303	6.304	-0.001	89	7535	1.00	0.9746	
50 2,4,5-Trichlorophenol	196	6.338	6.343	-0.005	95	8281	1.00	0.9566	
$ 51 2-Fluorobiphenyl	172	6.379	6.381	-0.002	97	27264	1.00	0.9829	
52 1,1'-Biphenyl	154	6.472	6.474	-0.002	96	29593	1.00	0.99	
53 2-Chloronaphthalene	162	6.485	6.490	-0.005	98	23491	1.00	0.9885	
54 Phenyl ether	170	6.574	6.576	-0.002	88	15032	1.00	0.9442	
55 2-Nitroaniline	65	6.587	6.592	-0.005	93	8711	1.00	0.9550	
57 1,3-Dimethylnaphthalene	156	6.698	6.701	-0.003	89	16162	1.00	0.9485	
59 Dimethyl phthalate	163	6.769	6.774	-0.005	97	25966	1.00	0.9900	
60 Coumarin	146	6.778	6.784	-0.006	77	8516	1.00	1.01	
61 2,6-Dinitrotoluene	165	6.820	6.825	-0.005	91	5444	1.00	1.00	
62 Acenaphthylene	152	6.877	6.883	-0.006	97	33904	1.00	0.9820	
63 3-Nitroaniline	138	6.979	6.985	-0.006	92	5944	1.00	0.9610	
* 64 Acenaphthene-d10	164	7.014	7.017	-0.003	97	149288	8.00	8.00	
66 Acenaphthene	154	7.043	7.049	-0.006	97	22221	1.00	1.01	
65 3,5-di-tert-butyl-4-hydrox	205	7.050	7.055	-0.005	98	19200	1.00	0.9331	
67 2,4-Dinitrophenol	184	7.075	7.081	-0.006	90	4424	2.00	1.47	
68 4-Nitrophenol	65	7.164	7.173	-0.009	92	9836	2.00	1.95	
69 2,4-Dinitrotoluene	165	7.200	7.205	-0.005	91	6868	1.00	0.9670	
70 Dibenzofuran	168	7.209	7.212	-0.003	96	34648	1.00	1.02	
72 2,3,4,6-Tetrachlorophenol	232	7.337	7.339	-0.002	94	6646	1.00	0.9617	
73 Diethyl phthalate	149	7.439	7.448	-0.009	97	26365	1.00	1.02	
75 Fluorene	166	7.535	7.537	-0.002	93	25886	1.00	1.01	
74 4-Chlorophenyl phenyl ethe	204	7.538	7.544	-0.006	88	13375	1.00	1.01	
76 4-Nitroaniline	138	7.554	7.566	-0.012	94	5779	1.00	0.9805	
77 4,6-Dinitro-2-methylphenol	198	7.586	7.595	-0.009	76	5977	2.00	1.52	
78 N-Nitrosodiphenylamine	169	7.653	7.659	-0.006	56	18203	1.00	0.9633	
79 1,2-Diphenylhydrazine	77	7.688	7.691	-0.003	97	29032	1.00	0.9557	
$ 80 2,4,6-Tribromophenol	330	7.761	7.768	-0.007	94	4536	1.00	0.9540	
81 4-Bromophenyl phenyl ether	248	8.001	8.004	-0.003	87	7666	1.00	0.9573	
82 Hexachlorobenzene	284	8.061	8.064	-0.003	97	9710	1.00	0.9756	
83 Atrazine	200	8.166	8.170	-0.004	89	6538	1.00	0.9870	
84 Pentachlorophenol	266	8.249	8.256	-0.007	94	7312	2.00	1.47	
85 Pentachloronitrobenzene	237	8.262	8.266	-0.004	88	3287	1.00	0.8702	
86 n-Octadecane	57	8.348	8.349	-0.001	93	19284	1.00	0.8910	
* 87 Phenanthrene-d10	188	8.419	8.419	0.000	99	265699	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.438	8.442	-0.004	98	38195	1.00	1.01	
89 Anthracene	178	8.486	8.489	-0.003	98	37911	1.00	0.9845	
90 Carbazole	167	8.645	8.649	-0.004	96	32023	1.00	0.9832	
91 Di-n-butyl phthalate	149	8.993	8.997	-0.004	99	37360	1.00	0.9228	
92 Fluoranthene	202	9.564	9.568	-0.004	97	36220	1.00	0.99	
93 Benzidine	184	9.698	9.702	-0.004	98	4172	1.00	1.35	
94 Pyrene	202	9.774	9.779	-0.005	96	36630	1.00	0.9805	
95 Bisphenol-A	213	9.845	9.849	-0.004	97	12172	1.00	0.8767	
$ 96 Terphenyl-d14	244	9.937	9.939	-0.002	99	24067	1.00	0.9445	
97 Butyl benzyl phthalate	149	10.425	10.427	-0.002	97	12769	1.00	0.8873	
99 Carbamazepine	193	10.521	10.529	-0.008	92	8606	1.00	0.7458	
100 3,3'-Dichlorobenzidine	252	10.990	10.992	-0.002	98	10410	1.00	0.8937	
101 Benzo[a]anthracene	228	11.003	11.008	-0.005	100	30717	1.00	0.9625	
* 102 Chrysene-d12	240	11.016	11.018	-0.002	99	192935	8.00	8.00	
104 Chrysene	228	11.044	11.050	-0.006	98	31377	1.00	1.00	
103 Bis(2-ethylhexyl) phthalat	149	11.083	11.085	-0.002	88	18925	1.00	0.9103	
105 Di-n-octyl phthalate	149	11.909	11.911	-0.002	97	26891	1.00	0.8735	
106 Benzo[b]fluoranthene	252	12.365	12.374	-0.009	98	26104	1.00	0.99	
107 Benzo[k]fluoranthene	252	12.404	12.410	-0.006	99	29079	1.00	1.05	
108 Benzo[a]pyrene	252	12.809	12.815	-0.006	97	23566	1.00	1.02	
* 109 Perylene-d12	264	12.895	12.895	0.000	99	189758	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.389	14.402	-0.013	98	24976	1.00	0.99	
111 Dibenz(a,h)anthracene	278	14.431	14.441	-0.010	97	25462	1.00	1.01	
112 Benzo[g,h,i]perylene	276	14.785	14.802	-0.017	97	26396	1.00	0.9378	
S 119 Total Cresols	1				0			1.94	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

SV_BNAL3_LVI_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2020 15:44:54 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132033.D

Injection Date: 20-Apr-2020 12:58:30 Instrument ID: CBNAMS17 Operator ID:

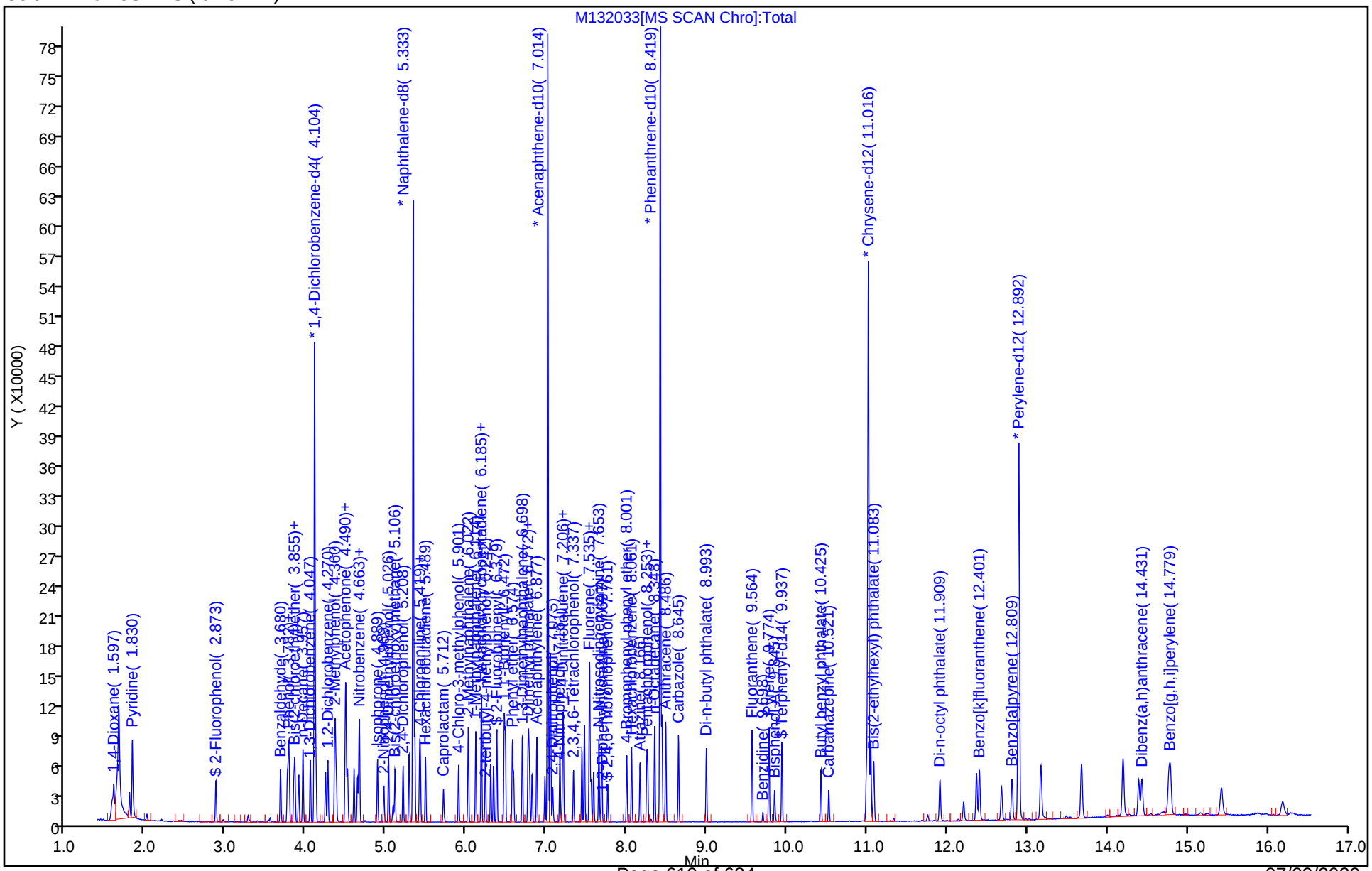
Lims ID: STD1 Worklist Smp#: 7

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 7

Method: 8270LVI_17 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132034.D
Lims ID: STD02
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 20-Apr-2020 13:19:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-008
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:57 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 13:45:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.867	2.873	-0.006	91	2163	0.2000	0.1951	
5 Benzaldehyde	77	3.674	3.680	-0.006	92	2162	0.2000	0.2101	
$ 6 Phenol-d5	99	3.760	3.769	-0.009	97	2802	0.2000	0.1978	
9 Bis(2-chloroethyl)ether	93	3.839	3.849	-0.010	91	2201	0.2000	0.1927	
* 14 1,4-Dichlorobenzene-d4	152	4.101	4.105	-0.004	98	67541	8.00	8.00	
20 N-Methylaniline	106	4.484	4.491	-0.007	93	3406	0.2000	0.1818	
22 N-Nitrosodi-n-propylamine	70	4.497	4.504	-0.007	94	1810	0.2000	0.1923	a
25 Hexachloroethane	117	4.596	4.600	-0.004	84	955	0.2000	0.1812	
$ 27 Nitrobenzene-d5	82	4.637	4.644	-0.007	92	2668	0.2000	0.1980	
28 Nitrobenzene	123	4.656	4.660	-0.004	88	944	0.2000	0.2037	
29 n,n'-Dimethylaniline	120	4.663	4.667	-0.004	92	3251	0.2000	0.1860	
30 Isophorone	82	4.889	4.893	-0.004	97	4206	0.2000	0.1795	
37 1,2,4-Trichlorobenzene	180	5.281	5.286	-0.005	93	2255	0.2000	0.1923	
* 38 Naphthalene-d8	136	5.332	5.337	-0.005	99	259966	8.00	8.00	
39 Naphthalene	128	5.352	5.356	-0.004	97	6242	0.2000	0.1851	
41 Hexachlorobutadiene	225	5.489	5.490	-0.001	92	1375	0.2000	0.1942	
42 Caprolactam	113	5.712	5.762	-0.050	84	371	0.2000	0.1416	
44 2-Methylnaphthalene	142	6.021	6.027	-0.006	83	4310	0.2000	0.1861	
45 1-Methylnaphthalene	142	6.114	6.119	-0.005	94	4231	0.2000	0.1934	
48 2-tertbutyl-4-methylphenol	149	6.235	6.237	-0.002	86	2501	0.2000	0.1841	
49 2,4,6-Trichlorophenol	196	6.302	6.304	-0.002	86	1230	0.2000	0.1617	
$ 51 2-Fluorobiphenyl	172	6.379	6.381	-0.002	96	5401	0.2000	0.1979	
61 2,6-Dinitrotoluene	165	6.819	6.825	-0.006	85	869	0.2000	0.1616	
* 64 Acenaphthene-d10	164	7.014	7.017	-0.003	97	146840	8.00	8.00	
69 2,4-Dinitrotoluene	165	7.199	7.205	-0.006	87	1106	0.2000	0.1583	a
$ 80 2,4,6-Tribromophenol	330	7.763	7.768	-0.005	70	839	0.2000	0.1794	
82 Hexachlorobenzene	284	8.060	8.064	-0.004	93	1937	0.2000	0.1939	
83 Atrazine	200	8.165	8.170	-0.005	83	1221	0.2000	0.1836	
* 87 Phenanthrene-d10	188	8.417	8.419	-0.002	99	266755	8.00	8.00	
$ 96 Terphenyl-d14	244	9.936	9.939	-0.003	99	4754	0.2000	0.1897	
100 3,3'-Dichlorobenzidine	252	10.988	10.992	-0.004	94	1833	0.2000	0.1600	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
101 Benzo[a]anthracene	228	11.004	11.008	-0.004	99	6160	0.2000	0.1963	
* 102 Chrysene-d12	240	11.014	11.018	-0.004	99	189728	8.00	8.00	
104 Chrysene	228	11.043	11.050	-0.007	99	6199	0.2000	0.2009	
103 Bis(2-ethylhexyl) phthalat	149	11.084	11.085	-0.001	86	3076	0.2000	0.1505	a
106 Benzo[b]fluoranthene	252	12.364	12.374	-0.010	98	4994	0.2000	0.1872	
107 Benzo[k]fluoranthene	252	12.399	12.410	-0.011	97	5026	0.2000	0.1784	
108 Benzo[a]pyrene	252	12.807	12.815	-0.008	96	4247	0.2000	0.1810	
* 109 Perylene-d12	264	12.893	12.895	-0.002	98	192416	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.390	14.402	-0.012	97	4426	0.2000	0.1733	
111 Dibenz(a,h)anthracene	278	14.429	14.441	-0.012	96	4326	0.2000	0.1691	

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL2_LVI_00001 Amount Added: 1.00 Units: mL

Report Date: 20-Apr-2020 15:44:57 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132034.D

Injection Date: 20-Apr-2020 13:19:30 Instrument ID: CBNAMS17 Operator ID:

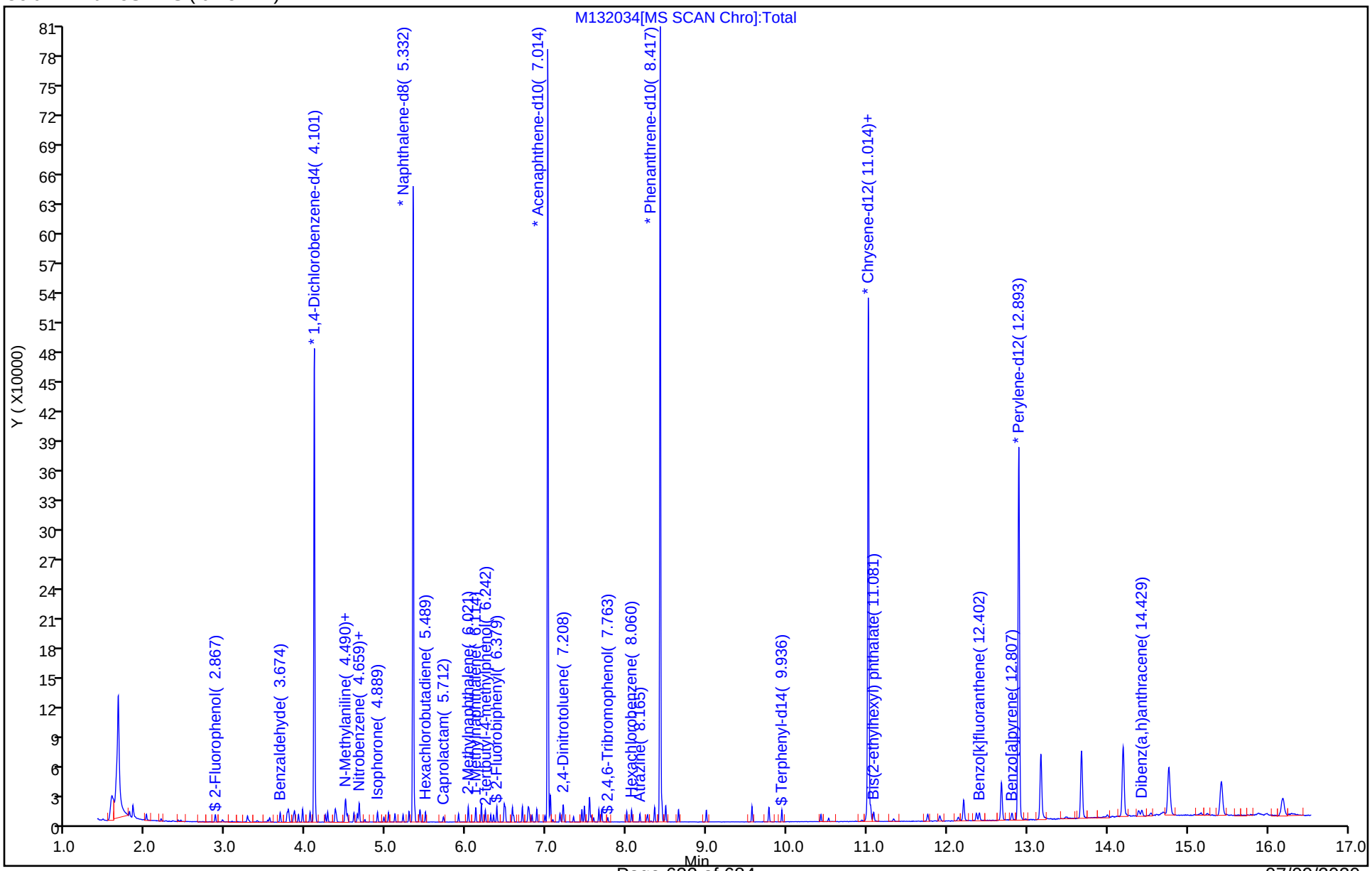
Lims ID: STD02 Worklist Smp#: 8

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270LVI_17 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

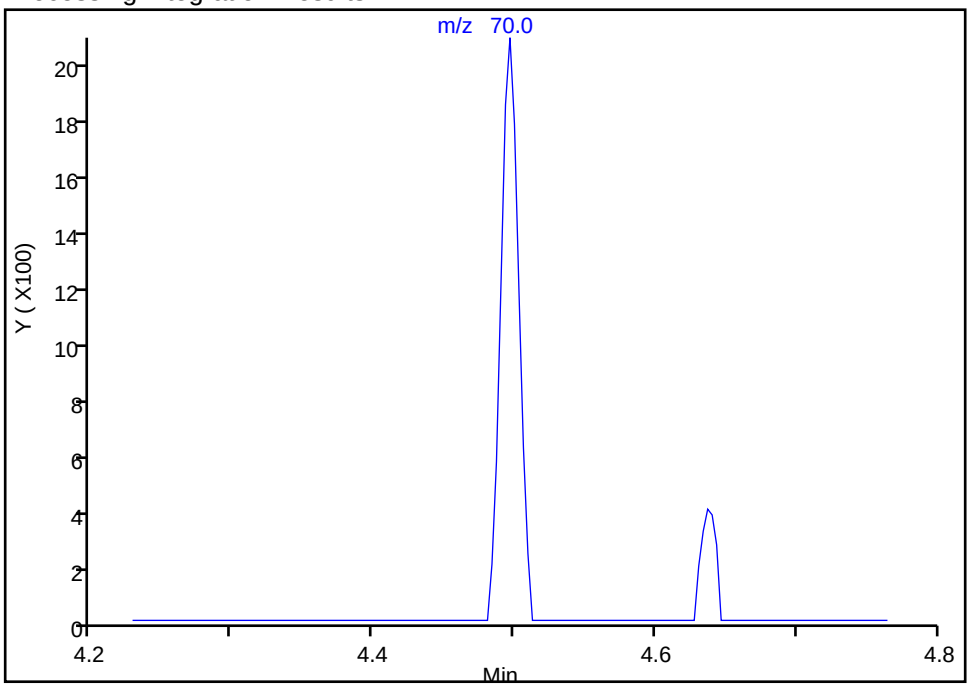
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Injection Date: 20-Apr-2020 13:19:30 Instrument ID: CBNAMS17
Lims ID: STD02
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

22 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

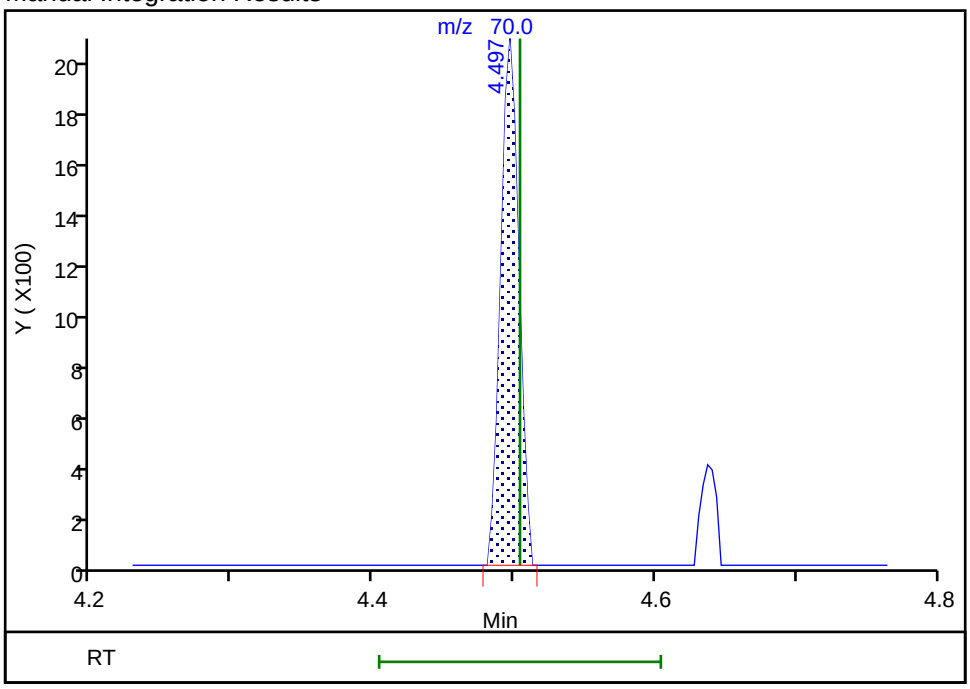
Not Detected
Expected RT: 4.50

Processing Integration Results



Manual Integration Results

RT: 4.50
Area: 1810
Amount: 0.192262
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 13:45:08
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

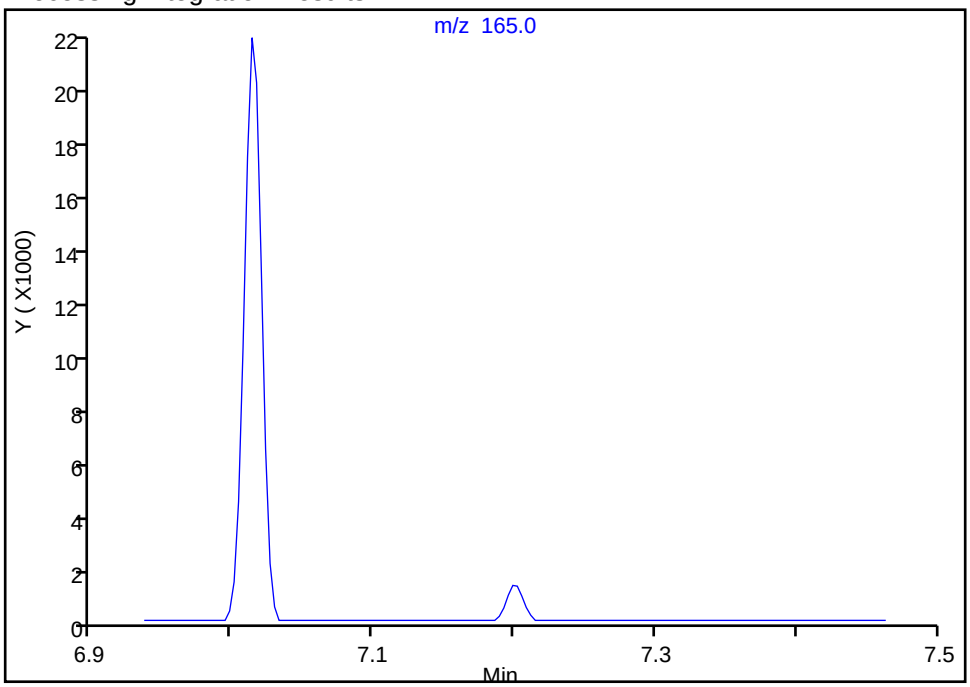
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Injection Date:	20-Apr-2020 13:19:30	Instrument ID:	CBNAMS17		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

69 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

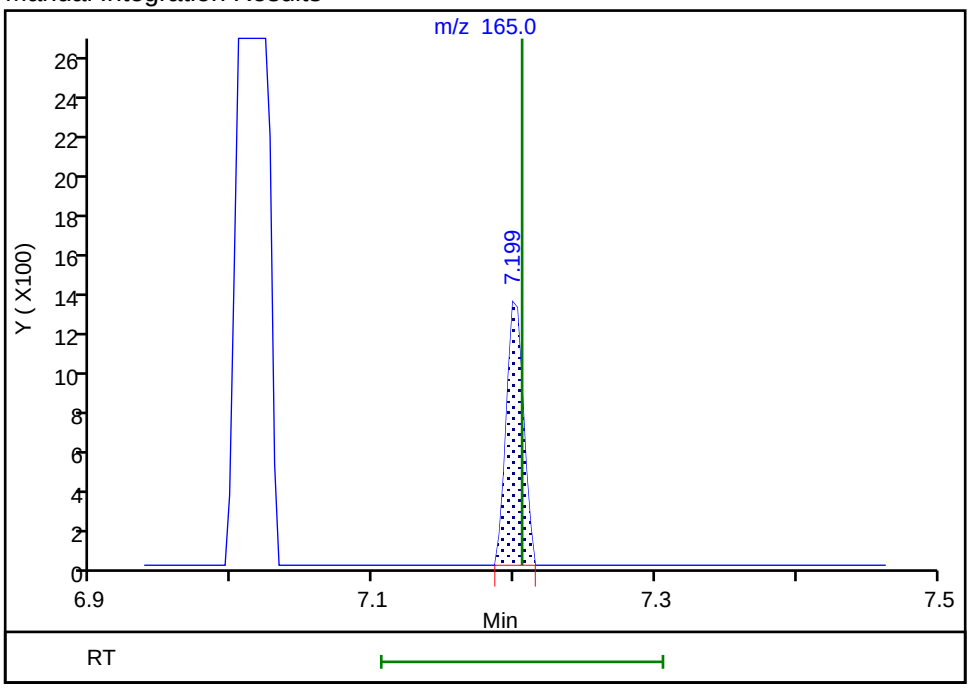
Not Detected
Expected RT: 7.21

Processing Integration Results



Manual Integration Results

RT: 7.20
Area: 1106
Amount: 0.158318
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 13:45:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

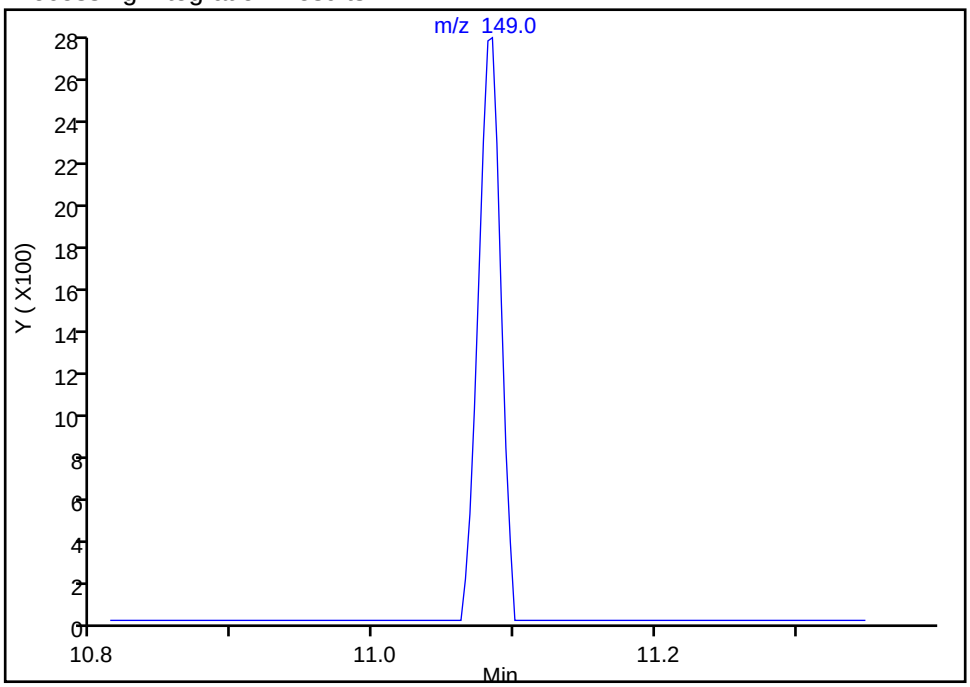
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Injection Date:	20-Apr-2020 13:19:30	Instrument ID:	CBNAMS17		
Lims ID:	STD02				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

103 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

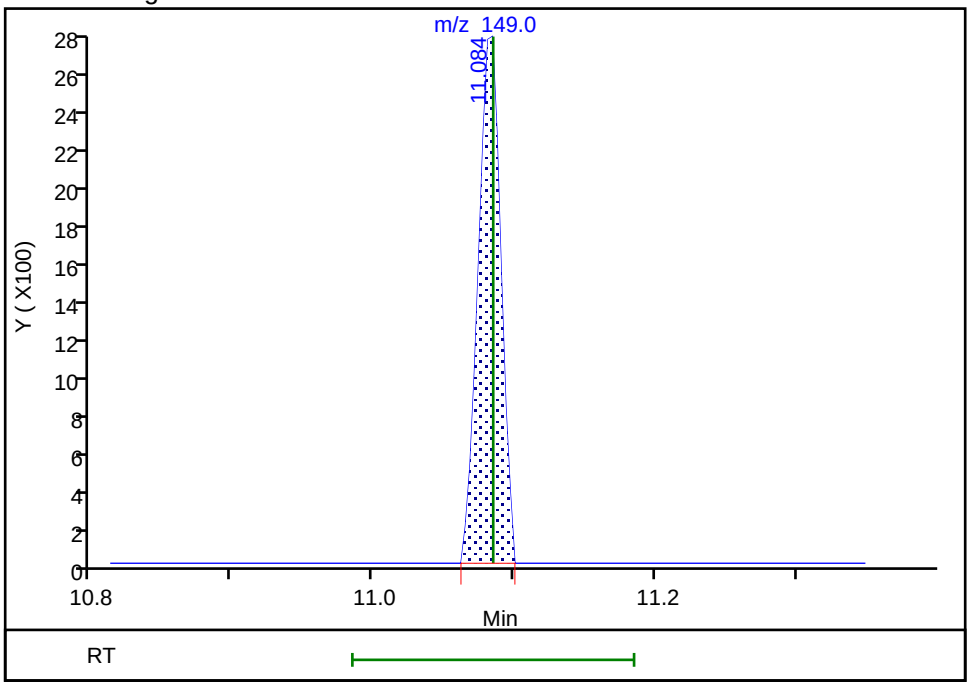
Not Detected
Expected RT: 11.08

Processing Integration Results



Manual Integration Results

RT: 11.08
Area: 3076
Amount: 0.150459
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 13:45:22
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D
Lims ID: STD01
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 20-Apr-2020 13:39:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-009
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:59 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 14:03:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
9 Bis(2-chloroethyl)ether	93	3.843	3.849	-0.006	90	992	0.1000	0.0900	
* 14 1,4-Dichlorobenzene-d4	152	4.101	4.105	-0.004	98	65169	8.00	8.00	
20 N-Methylaniline	106	4.484	4.491	-0.007	93	1652	0.1000	0.0914	
22 N-Nitrosodi-n-propylamine	70	4.497	4.504	-0.008	88	749	0.1000	0.0825	a
25 Hexachloroethane	117	4.595	4.600	-0.005	85	381	0.1000	0.0749	
$ 27 Nitrobenzene-d5	82	4.637	4.644	-0.007	92	1254	0.1000	0.0966	
28 Nitrobenzene	123	4.656	4.660	-0.004	85	316	0.1000	0.0992	
29 n,n'-Dimethylaniline	120	4.662	4.667	-0.005	92	1672	0.1000	0.0992	a
37 1,2,4-Trichlorobenzene	180	5.281	5.286	-0.005	90	1003	0.1000	0.0888	
* 38 Naphthalene-d8	136	5.332	5.337	-0.005	99	250410	8.00	8.00	
39 Naphthalene	128	5.351	5.356	-0.005	98	3243	0.1000	0.0998	
41 Hexachlorobutadiene	225	5.489	5.490	-0.002	84	590	0.1000	0.0865	
$ 51 2-Fluorobiphenyl	172	6.378	6.381	-0.003	95	2605	0.1000	0.0957	
* 64 Acenaphthene-d10	164	7.013	7.017	-0.004	97	146491	8.00	8.00	
82 Hexachlorobenzene	284	8.059	8.064	-0.005	88	954	0.1000	0.0946	
* 87 Phenanthrene-d10	188	8.417	8.419	-0.002	99	269279	8.00	8.00	
$ 96 Terphenyl-d14	244	9.935	9.939	-0.004	98	2843	0.1000	0.1109	
101 Benzo[a]anthracene	228	11.004	11.008	-0.004	96	3377	0.1000	0.1052	
* 102 Chrysene-d12	240	11.016	11.018	-0.002	99	194087	8.00	8.00	
106 Benzo[b]fluoranthene	252	12.363	12.374	-0.011	97	2384	0.1000	0.0908	
107 Benzo[k]fluoranthene	252	12.401	12.410	-0.009	95	2556	0.1000	0.0922	
108 Benzo[a]pyrene	252	12.806	12.815	-0.009	97	1916	0.1000	0.0830	
* 109 Perylene-d12	264	12.893	12.895	-0.003	99	189317	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	14.390	14.402	-0.012	94	2072	0.1000	0.0825	
111 Dibenz(a,h)anthracene	278	14.431	14.441	-0.010	95	1949	0.1000	0.0775	a

QC Flag Legend

Review Flags

a - User Assigned ID

Reagents:

SV_BNAL1_LVI_00001 Amount Added: 1.00 Units: mL

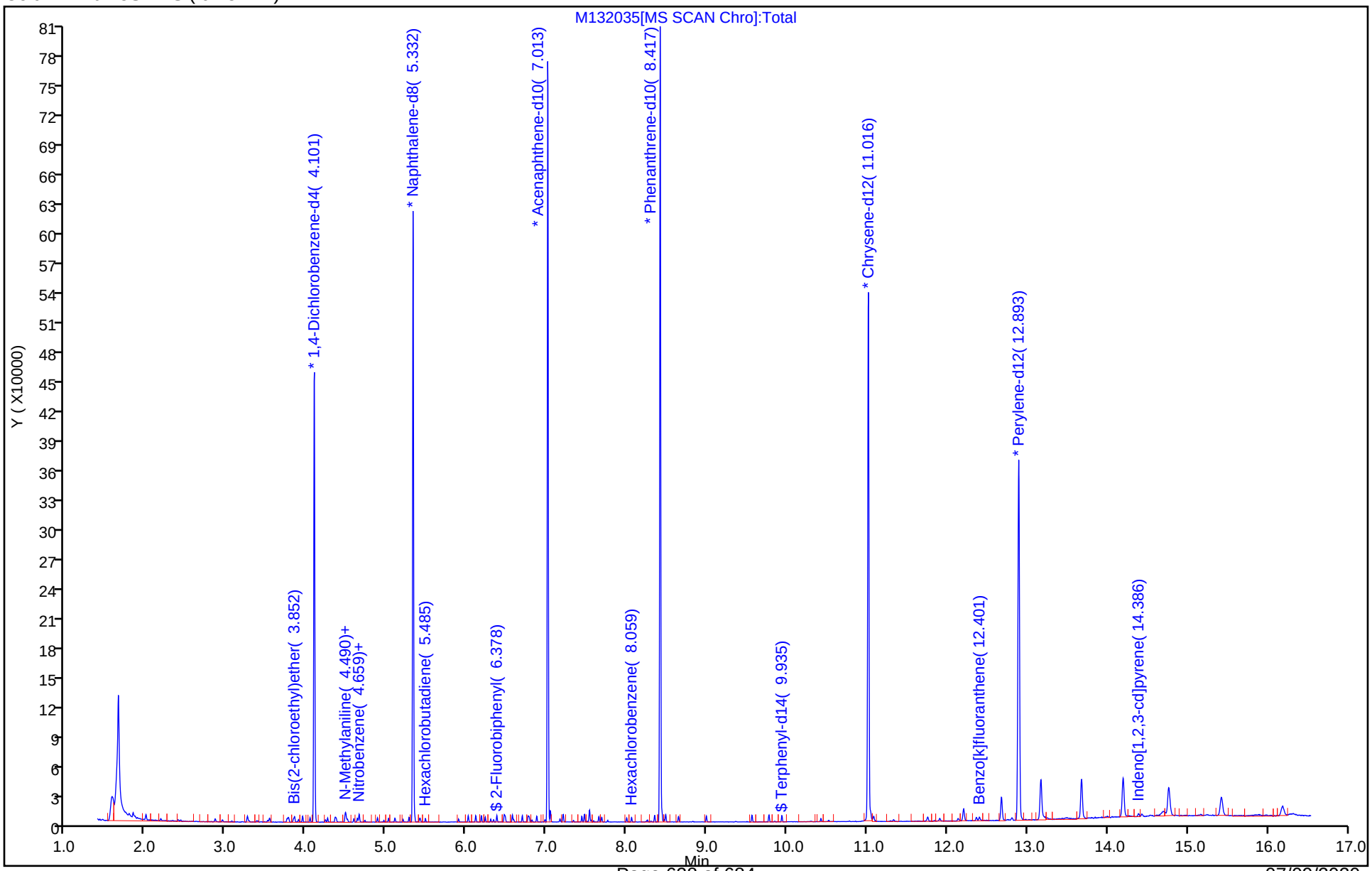
Report Date: 20-Apr-2020 15:45:00 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Injection Date:	20-Apr-2020 13:39:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	STD01			Worklist Smp#:	9
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

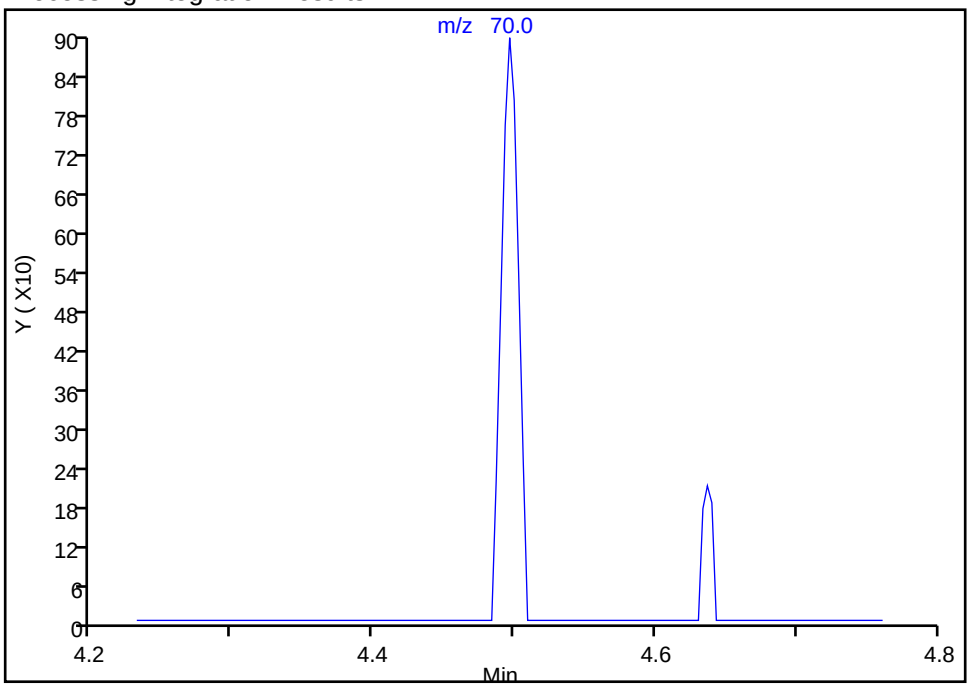
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Injection Date:	20-Apr-2020 13:39:30	Instrument ID:	CBNAMS17		
Lims ID:	STD01				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

22 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

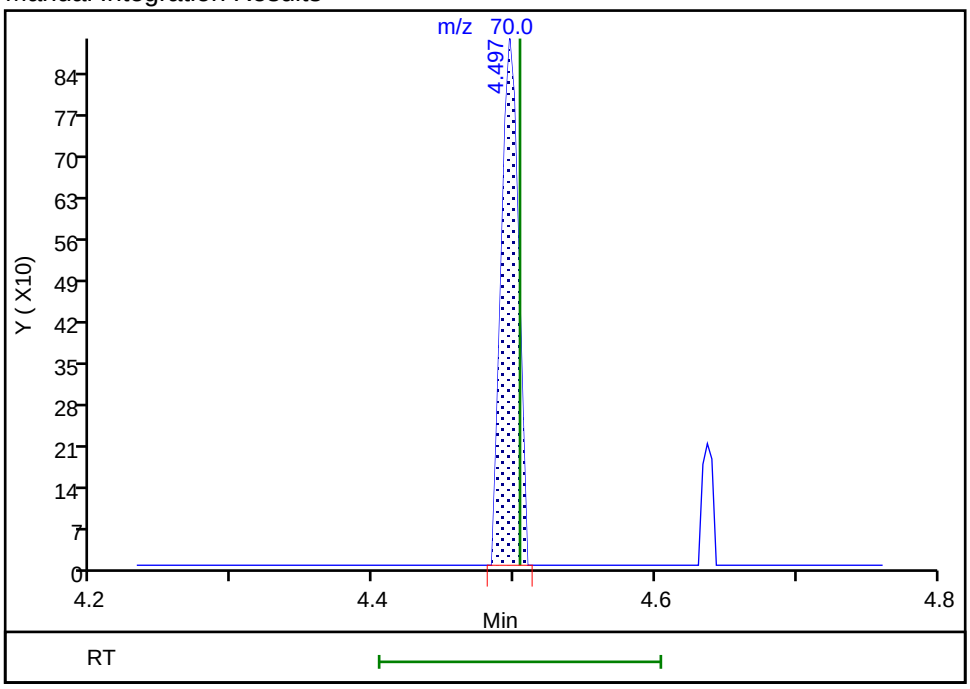
Not Detected
Expected RT: 4.50

Processing Integration Results



Manual Integration Results

RT: 4.50
Area: 749
Amount: 0.082456
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 14:03:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

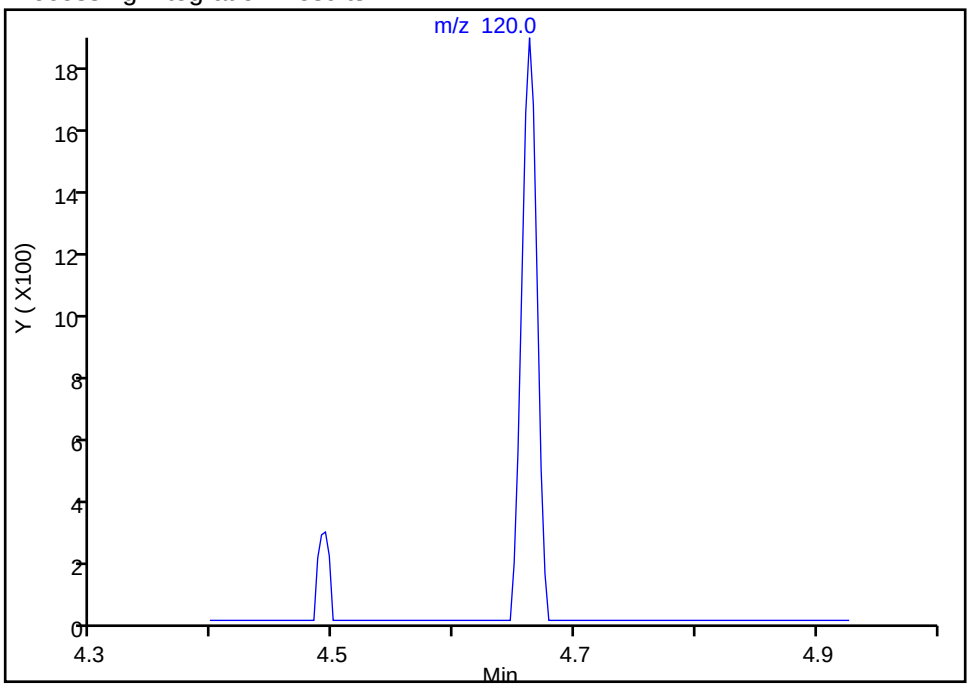
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Injection Date:	20-Apr-2020 13:39:30	Instrument ID:	CBNAMS17		
Lims ID:	STD01				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

29 n,n'-Dimethylaniline, CAS: 121-69-7

Signal: 1

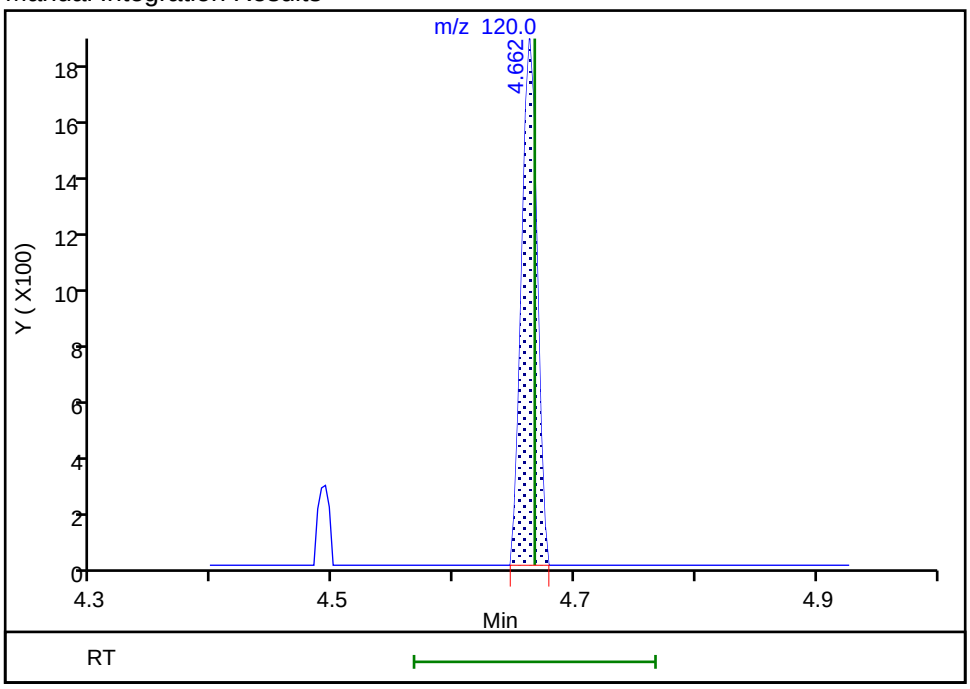
Processing Integration Results

Not Detected
Expected RT: 4.67



Manual Integration Results

RT: 4.66
Area: 1672
Amount: 0.099162
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 14:03:35
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

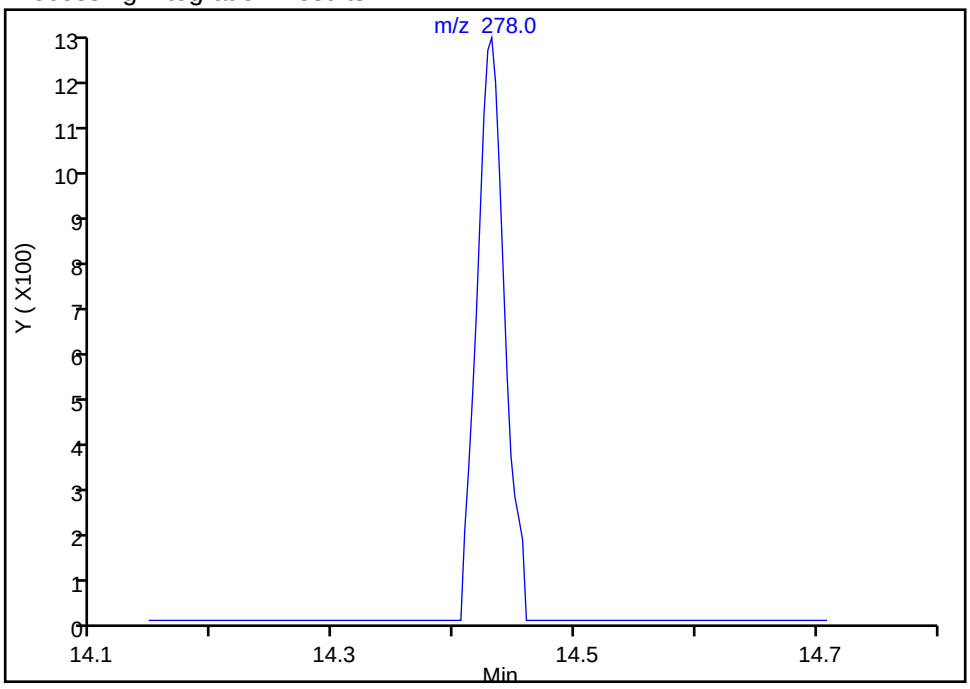
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Injection Date:	20-Apr-2020 13:39:30	Instrument ID:	CBNAMS17		
Lims ID:	STD01				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

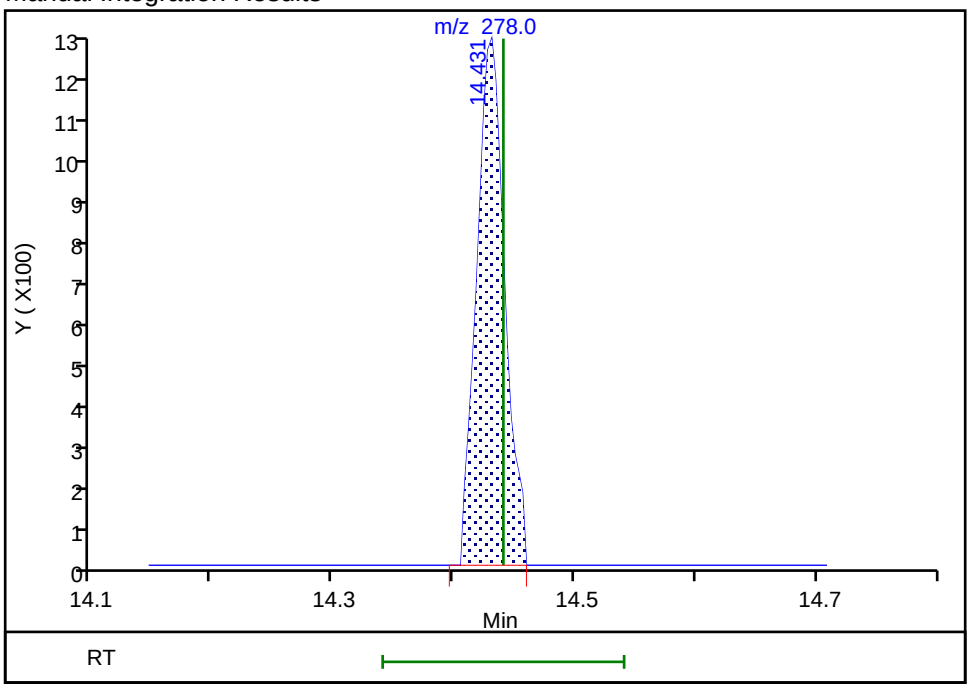
Not Detected
Expected RT: 14.44

Processing Integration Results



Manual Integration Results

RT: 14.43
Area: 1949
Amount: 0.077451
Amount Units: ug/ml



Reviewer: johnstonm1, 20-Apr-2020 14:03:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-705963/2 Calibration Date: 07/04/2020 20:14

Instrument ID: CBNAMS17 Calib Start Date: 04/20/2020 11:12

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/20/2020 13:39

Lab File ID: M133906.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6076	0.4800	0.0100	7900	10000	-21.0*	20.0
N-Nitrosodimethylamine	Ave	0.8838	0.7554		8550	10000	-14.5	20.0
Pyridine	Ave	1.500	1.262		16800	20000	-15.9	20.0
Benzaldehyde	Ave	1.219	0.6967	0.0100	2290	4000	-42.8*	20.0
Aniline	Ave	2.266	2.104		9290	10000	-7.1	20.0
Phenol	Ave	1.940	1.735	0.8000	8940	10000	-10.6	20.0
Bis(2-chloroethyl)ether	Ave	1.353	1.273	0.7000	9410	10000	-5.9	20.0
2-Chlorophenol	Ave	1.352	1.354	0.8000	10000	10000	0.0	20.0
n-Decane	Ave	1.803	1.472	0.0100	8170	10000	-18.3	20.0
1,3-Dichlorobenzene	Ave	1.641	1.617		9850	10000	-1.5	20.0
1,4-Dichlorobenzene	Ave	1.673	1.637		9780	10000	-2.2	20.0
Benzyl alcohol	Ave	0.8831	0.8322	0.0100	9420	10000	-5.8	20.0
1,2-Dichlorobenzene	Ave	1.585	1.561		9850	10000	-1.5	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.523	2.032	0.0100	8050	10000	-19.5	20.0
2-Methylphenol	Ave	1.294	1.224	0.7000	9460	10000	-5.4	20.0
N-Methylaniline	Ave	2.220	2.132		9610	10000	-3.9	20.0
Acetophenone	Ave	2.146	1.950	0.0100	9090	10000	-9.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.115	0.995	0.5000	8930	10000	-10.7	20.0
3 & 4 Methylphenol	Ave	1.390	1.307		9410	10000	-5.9	20.0
4-Methylphenol	Ave	1.389	1.306	0.6000	9410	10000	-5.9	20.0
Hexachloroethane	Ave	0.6244	0.6440	0.3000	10300	10000	3.1	20.0
Nitrobenzene	Lin2		0.6642	0.2000	9550	10000	-4.5	20.0
n,n'-Dimethylaniline	Ave	2.070	1.961	0.0100	9480	10000	-5.2	20.0
Isophorone	Ave	0.7210	0.6854	0.4000	9510	10000	-4.9	20.0
2-Nitrophenol	Ave	0.1910	0.2056	0.1000	10800	10000	7.7	20.0
2,4-Dimethylphenol	Ave	0.3110	0.3051	0.2000	9810	10000	-1.9	20.0
Bis(2-chloroethoxy)methane	Ave	0.4654	0.4342	0.3000	9330	10000	-6.7	20.0
Benzoic acid	Ave	0.1715	0.2014		11700	10000	17.4	20.0
2,4-Dichlorophenol	Ave	0.3235	0.3302	0.2000	10200	10000	2.1	20.0
1,2,4-Trichlorobenzene	Ave	0.3608	0.3781		10500	10000	4.8	20.0
Naphthalene	Ave	1.038	1.029	0.7000	9920	10000	-0.8	20.0
4-Chloroaniline	Ave	0.4495	0.4375	0.0100	9730	10000	-2.7	20.0
Hexachlorobutadiene	Ave	0.2179	0.2334	0.0100	10700	10000	7.1	20.0
Caprolactam	Ave	0.0806	0.0830	0.0100	4120	4000	3.0	20.0
4-Chloro-3-methylphenol	Ave	0.3095	0.3067		9910	10000	-0.9	20.0
2-Methylnaphthalene	Ave	0.7126	0.7158	0.4000	10000	10000	0.4	20.0
1-Methylnaphthalene	Ave	0.6732	0.6670	0.0100	9910	10000	-0.9	20.0
Hexachlorocyclopentadiene	Ave	0.5167	0.5196	0.0500	10100	10000	0.6	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.6997	0.7288	0.0100	10400	10000	4.2	20.0
2-tertbutyl-4-methylphenol	Ave	0.4180	0.4312	0.0100	10300	10000	3.2	20.0
2,4,6-Trichlorophenol	Ave	0.4143	0.4511	0.2000	10900	10000	8.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-705963/2 Calibration Date: 07/04/2020 20:14

Instrument ID: CBNAMS17 Calib Start Date: 04/20/2020 11:12

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/20/2020 13:39

Lab File ID: M133906.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4639	0.4881	0.2000	10500	10000	5.2	20.0
Diphenyl	Ave	1.601	1.567	0.0100	9780	10000	-2.2	20.0
2-Chloronaphthalene	Ave	1.273	1.272	0.8000	9990	10000	-0.1	20.0
Phenyl ether	Ave	0.8532	0.8496	0.0100	9960	10000	-0.4	20.0
2-Nitroaniline	Ave	0.4888	0.3744	0.0100	7660	10000	-23.4*	20.0
1,3-Dimethylnaphthalene	Ave	0.9131	0.9296	0.0100	10200	10000	1.8	20.0
Coumarin	Ave	0.2598	0.2470	0.0100	9510	10000	-4.9	20.0
Dimethyl phthalate	Ave	1.406	1.365	0.0100	9710	10000	-2.9	20.0
2,6-Dinitrotoluene	Ave	0.2930	0.3125	0.2000	10700	10000	6.6	20.0
Acenaphthylene	Ave	1.850	1.856	0.9000	10000	10000	0.3	20.0
3-Nitroaniline	Ave	0.3315	0.3284	0.0100	9910	10000	-0.9	20.0
Acenaphthene	Ave	1.179	1.136	0.9000	9630	10000	-3.7	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	1.103	1.128	0.0100	10200	10000	2.3	20.0
2,4-Dinitrophenol	Ave	0.1616	0.1898	0.0100	23500	20000	17.4	20.0
Dibenzofuran	Ave	1.815	1.803	0.8000	9930	10000	-0.7	20.0
4-Nitrophenol	Ave	0.2704	0.2507	0.0100	18500	20000	-7.3	20.0
2,4-Dinitrotoluene	Ave	0.3806	0.4009	0.2000	10500	10000	5.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3703	0.3934	0.0100	10600	10000	6.2	20.0
Diethyl phthalate	Ave	1.386	1.335	0.0100	9630	10000	-3.7	20.0
Fluorene	Ave	1.368	1.340	0.9000	9800	10000	-2.0	20.0
4-Chlorophenyl phenyl ether	Ave	0.7079	0.7177	0.4000	10100	10000	1.4	20.0
4-Nitroaniline	Ave	0.3159	0.3072	0.0100	9730	10000	-2.7	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1185	0.1344	0.0100	22700	20000	13.4	20.0
N-Nitrosodiphenylamine	Ave	0.5690	0.5689	0.0100	10000	10000	-0.0	20.0
1,2-Diphenylhydrazine	Ave	0.9147	0.8258	0.0100	9030	10000	-9.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2411	0.2620	0.1000	10900	10000	8.6	20.0
Hexachlorobenzene	Ave	0.2997	0.3273	0.1000	10900	10000	9.2	20.0
Atrazine	Ave	0.1994	0.2069	0.0100	4150	4000	3.8	20.0
Pentachlorophenol	Ave	0.1496	0.1648	0.0500	22000	20000	10.2	20.0
Pentachloronitrobenzene	Ave	0.1137	0.1194	0.0100	10500	10000	4.9	20.0
n-Octadecane	Ave	0.6516	0.5740	0.0100	8810	10000	-11.9	20.0
Phenanthrene	Ave	1.141	1.137	0.7000	9960	10000	-0.4	20.0
Anthracene	Ave	1.159	1.166	0.7000	10100	10000	0.6	20.0
Carbazole	Ave	0.9807	0.9742	0.0100	9930	10000	-0.7	20.0
Di-n-butyl phthalate	Ave	1.219	1.195	0.0100	9810	10000	-1.9	20.0
Fluoranthene	Ave	1.099	1.151	0.6000	10500	10000	4.8	20.0
Benzidine	Qua		0.5218		11400	10000	13.6	20.0
Pyrene	Ave	1.549	1.542	0.6000	9960	10000	-0.4	20.0
Bisphenol-A	Ave	0.5757	0.5750		9990	10000	-0.1	20.0
Butyl benzyl phthalate	Ave	0.5967	0.5893	0.0100	9880	10000	-1.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Lab Sample ID: CCVIS 460-705963/2 Calibration Date: 07/04/2020 20:14

Instrument ID: CBNAMS17 Calib Start Date: 04/20/2020 11:12

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 04/20/2020 13:39

Lab File ID: M133906.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,3,7,8-TCDD	Ave	0.1759	0.1480	0.0100	84.2	100	-15.8	20.0
Carbamazepine	Ave	0.4784	0.5395	0.0100	11300	10000	12.8	20.0
3,3'-Dichlorobenzidine	Ave	0.4830	0.5362	0.0100	11100	10000	11.0	20.0
Benzo[a]anthracene	Ave	1.323	1.375	0.8000	10400	10000	3.9	20.0
Chrysene	Ave	1.301	1.337	0.7000	10300	10000	2.8	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.8620	0.8508	0.0100	9870	10000	-1.3	20.0
Di-n-octyl phthalate	Ave	1.298	1.307	0.0100	10100	10000	0.7	20.0
Benzo[b]fluoranthene	Ave	1.109	1.250	0.7000	11300	10000	12.7	20.0
Benzo[k]fluoranthene	Ave	1.171	1.289	0.7000	11000	10000	10.0	20.0
Benzo[a]pyrene	Ave	0.9756	1.075	0.7000	11000	10000	10.2	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.062	1.141	0.5000	10700	10000	7.4	20.0
Dibenz(a,h)anthracene	Ave	1.063	1.092	0.4000	10300	10000	2.7	20.0
Benzo[g,h,i]perylene	Ave	1.187	1.189	0.5000	10000	10000	0.2	20.0
2-Fluorophenol	Ave	1.313	1.271		9680	10000	-3.2	20.0
Phenol-d5	Ave	1.678	1.592		9490	10000	-5.1	20.0
Nitrobenzene-d5	Ave	0.4147	0.3968		9570	10000	-4.3	20.0
2-Fluorobiphenyl	Ave	1.487	1.481		9960	10000	-0.4	20.0
2,4,6-Tribromophenol	Ave	0.2548	0.2985		11700	10000	17.2	20.0
Terphenyl-d14	Ave	1.057	1.096		10400	10000	3.8	20.0

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133906.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 04-Jul-2020 20:14:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0112716-002
Operator ID: Instrument ID: CBNAMS17
Sublist: chrom-8270LVI_17*sub22

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 07-Jul-2020 09:53:53 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1034

First Level Reviewer: hamziy Date: 04-Jul-2020 20:37:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.241	1.241	0.000	98	39729	10.0	7.90	
2 N-Nitrosodimethylamine	74	1.416	1.416	0.000	88	62526	10.0	8.55	
3 Pyridine	79	1.438	1.438	0.000	89	208860	20.0	16.8	
$ 4 2-Fluorophenol	112	2.418	2.418	0.000	94	105177	10.0	9.68	
5 Benzaldehyde	77	3.183	3.183	0.000	95	23066	4.00	2.29	
8 Aniline	93	3.301	3.301	0.000	100	174180	10.0	9.29	
$ 6 Phenol-d5	99	3.311	3.311	0.000	97	131746	10.0	9.49	
7 Phenol	94	3.327	3.327	0.000	99	143569	10.0	8.94	
9 Bis(2-chloroethyl)ether	93	3.368	3.368	0.000	92	105391	10.0	9.41	
10 Benzonitrile	103	3.375	3.375	0.000	99	216681	NC	NC	
11 2-Chlorophenol	128	3.426	3.426	0.000	94	112046	10.0	10.0	
12 n-Decane	43	3.487	3.487	0.000	92	121856	10.0	8.17	
13 1,3-Dichlorobenzene	146	3.566	3.566	0.000	95	133805	10.0	9.85	
* 14 1,4-Dichlorobenzene-d4	152	3.624	3.624	0.000	96	66217	8.00	8.00	
15 1,4-Dichlorobenzene	146	3.640	3.640	0.000	95	135463	10.0	9.78	
16 Benzyl alcohol	108	3.790	3.790	0.000	93	68885	10.0	9.42	
17 1,2-Dichlorobenzene	146	3.796	3.796	0.000	96	129222	10.0	9.85	
19 2,2'-oxybis[1-chloropropane]	45	3.924	3.924	0.000	93	168180	10.0	8.05	
18 2-Methylphenol	108	3.933	3.933	0.000	88	101327	10.0	9.46	
20 N-Methylaniline	106	4.039	4.039	0.000	98	176491	10.0	9.61	
21 Acetophenone	105	4.045	4.045	0.000	95	161407	10.0	9.09	
22 N-Nitrosodi-n-propylamine	70	4.058	4.058	0.000	88	82390	10.0	8.93	
24 4-Methylphenol	108	4.096	4.096	0.000	95	108116	10.0	9.41	
23 3 & 4 Methylphenol	108	4.096	4.096	0.000	64	108216	10.0	9.41	
25 Hexachloroethane	117	4.135	4.135	0.000	92	53307	10.0	10.3	
$ 27 Nitrobenzene-d5	82	4.195	4.195	0.000	90	122871	10.0	9.57	
28 Nitrobenzene	123	4.214	4.214	0.000	93	54975	10.0	9.55	
29 n,n'-Dimethylaniline	120	4.221	4.221	0.000	92	162344	10.0	9.48	
30 Isophorone	82	4.463	4.463	0.000	99	212220	10.0	9.51	
32 2-Nitrophenol	139	4.540	4.540	0.000	91	63669	10.0	10.8	
33 2,4-Dimethylphenol	122	4.629	4.629	0.000	89	94474	10.0	9.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 Bis(2-chloroethoxy)methane	93	4.706	4.706	0.000	96	134450	10.0	9.33	
35 Benzoic acid	122	4.773	4.773	0.000	88	62341	10.0	11.7	
36 2,4-Dichlorophenol	162	4.805	4.805	0.000	96	102222	10.0	10.2	
37 1,2,4-Trichlorobenzene	180	4.872	4.872	0.000	94	117077	10.0	10.5	
* 38 Naphthalene-d8	136	4.920	4.920	0.000	100	247696	8.00	8.00	
39 Naphthalene	128	4.942	4.942	0.000	99	318548	10.0	9.92	
40 4-Chloroaniline	127	5.022	5.022	0.000	96	135465	10.0	9.73	
130 2,6-Dichlorophenol	162	5.028	5.028	0.000	97	99618	NC	NC	
41 Hexachlorobutadiene	225	5.089	5.089	0.000	97	72260	10.0	10.7	
42 Caprolactam	113	5.364	5.364	0.000	89	10283	4.00	4.12	M
43 4-Chloro-3-methylphenol	107	5.558	5.558	0.000	97	94957	10.0	9.91	
44 2-Methylnaphthalene	142	5.648	5.648	0.000	84	221622	10.0	10.0	
45 1-Methylnaphthalene	142	5.743	5.743	0.000	92	206524	10.0	9.91	
46 Hexachlorocyclopentadiene	237	5.820	5.820	0.000	98	88413	10.0	10.1	
47 1,2,4,5-Tetrachlorobenzene	216	5.823	5.823	0.000	98	124020	10.0	10.4	
48 2-tertbutyl-4-methylphenol	149	5.900	5.900	0.000	90	133501	10.0	10.3	
49 2,4,6-Trichlorophenol	196	5.954	5.954	0.000	90	76751	10.0	10.9	
50 2,4,5-Trichlorophenol	196	5.996	5.996	0.000	98	83055	10.0	10.5	
$ 51 2-Fluorobiphenyl	172	6.031	6.031	0.000	97	251982	10.0	9.96	
52 1,1'-Biphenyl	154	6.124	6.124	0.000	97	266578	10.0	9.78	
53 2-Chloronaphthalene	162	6.133	6.133	0.000	98	216392	10.0	9.99	
54 Phenyl ether	170	6.232	6.232	0.000	87	144568	10.0	9.96	
55 2-Nitroaniline	65	6.254	6.254	0.000	97	63710	10.0	7.66	
57 1,3-Dimethylnaphthalene	156	6.357	6.357	0.000	91	158185	10.0	10.2	
60 Coumarin	146	6.446	6.446	0.000	81	76487	10.0	9.51	
59 Dimethyl phthalate	163	6.452	6.452	0.000	98	232311	10.0	9.71	
61 2,6-Dinitrotoluene	165	6.500	6.500	0.000	95	53180	10.0	10.7	
62 Acenaphthylene	152	6.542	6.542	0.000	97	315800	10.0	10.0	
63 3-Nitroaniline	138	6.666	6.666	0.000	95	55886	10.0	9.91	
* 64 Acenaphthene-d10	164	6.686	6.686	0.000	95	136130	8.00	8.00	
66 Acenaphthene	154	6.717	6.717	0.000	96	193332	10.0	9.63	
65 3,5-di-tert-butyl-4-hydroxytol	205	6.740	6.740	0.000	98	191957	10.0	10.2	
67 2,4-Dinitrophenol	184	6.772	6.772	0.000	96	64583	20.0	23.5	
70 Dibenzofuran	168	6.890	6.890	0.000	96	306838	10.0	9.93	
68 4-Nitrophenol	65	6.893	6.893	0.000	82	85330	20.0	18.5	
69 2,4-Dinitrotoluene	165	6.900	6.900	0.000	96	68209	10.0	10.5	
72 2,3,4,6-Tetrachlorophenol	232	7.030	7.030	0.000	96	66948	10.0	10.6	
73 Diethyl phthalate	149	7.155	7.155	0.000	98	227111	10.0	9.63	
75 Fluorene	166	7.225	7.225	0.000	94	228101	10.0	9.80	
74 4-Chlorophenyl phenyl ether	204	7.241	7.241	0.000	91	122126	10.0	10.1	
76 4-Nitroaniline	138	7.276	7.276	0.000	90	52277	10.0	9.73	
77 4,6-Dinitro-2-methylphenol	198	7.302	7.302	0.000	87	77666	20.0	22.7	
78 N-Nitrosodiphenylamine	169	7.363	7.363	0.000	55	164440	10.0	10.0	
79 1,2-Diphenylhydrazine	77	7.395	7.395	0.000	99	238675	10.0	9.03	
$ 80 2,4,6-Tribromophenol	330	7.468	7.468	0.000	92	50801	10.0	11.7	
81 4-Bromophenyl phenyl ether	248	7.717	7.717	0.000	93	75720	10.0	10.9	
82 Hexachlorobenzene	284	7.775	7.775	0.000	97	94613	10.0	10.9	
83 Atrazine	200	7.905	7.905	0.000	92	23925	4.00	4.15	
84 Pentachlorophenol	266	7.982	7.982	0.000	94	95287	20.0	22.0	
85 Pentachloronitrobenzene	237	7.989	7.989	0.000	90	34499	10.0	10.5	
86 n-Octadecane	57	8.094	8.094	0.000	92	165907	10.0	8.81	
* 87 Phenanthrene-d10	188	8.142	8.142	0.000	99	231227	8.00	8.00	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.168	8.168	0.000	98	328570	10.0	9.96	
89 Anthracene	178	8.215	8.215	0.000	98	337111	10.0	10.1	
90 Carbazole	167	8.391	8.391	0.000	96	281564	10.0	9.93	
91 Di-n-butyl phthalate	149	8.761	8.761	0.000	99	345538	10.0	9.81	
92 Fluoranthene	202	9.329	9.329	0.000	97	332697	10.0	10.5	
93 Benzidine	184	9.482	9.482	0.000	99	150818	10.0	11.4	
94 Pyrene	202	9.546	9.546	0.000	97	338633	10.0	9.96	
95 Bisphenol-A	213	9.645	9.645	0.000	98	126274	10.0	9.99	
$ 96 Terphenyl-d14	244	9.722	9.722	0.000	100	240741	10.0	10.4	
97 Butyl benzyl phthalate	149	10.220	10.220	0.000	97	129410	10.0	9.88	
98 2,3,7,8-TCDD	320	10.296	10.296	0.000	88	325	0.1000	0.0842	
99 Carbamazepine	193	10.312	10.312	0.000	93	118470	10.0	11.3	
100 3,3'-Dichlorobenzidine	252	10.759	10.759	0.000	99	117745	10.0	11.1	
101 Benzo[a]anthracene	228	10.765	10.765	0.000	99	301900	10.0	10.4	
* 102 Chrysene-d12	240	10.778	10.778	0.000	99	175678	8.00	8.00	
104 Chrysene	228	10.804	10.804	0.000	98	293626	10.0	10.3	
103 Bis(2-ethylhexyl) phthalate	149	10.855	10.855	0.000	87	186823	10.0	9.87	
105 Di-n-octyl phthalate	149	11.624	11.624	0.000	97	294324	10.0	10.1	
106 Benzo[b]fluoranthene	252	12.036	12.036	0.000	99	281560	10.0	11.3	
107 Benzo[k]fluoranthene	252	12.068	12.068	0.000	99	290392	10.0	11.0	
108 Benzo[a]pyrene	252	12.438	12.438	0.000	97	242090	10.0	11.0	
* 109 Perylene-d12	264	12.511	12.511	0.000	99	180205	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.871	13.871	0.000	99	256970	10.0	10.7	
111 Dibenz(a,h)anthracene	278	13.906	13.906	0.000	98	245987	10.0	10.3	
112 Benzo[g,h,i]perylene	276	14.200	14.200	0.000	98	267820	10.0	10.0	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

Reagents:

SV_BNAL7_LVI_00002 Amount Added: 1.00 Units: mL

Report Date: 07-Jul-2020 09:53:54 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133906.D

Injection Date: 04-Jul-2020 20:14:30 Instrument ID: CBNAMS17 Operator ID:

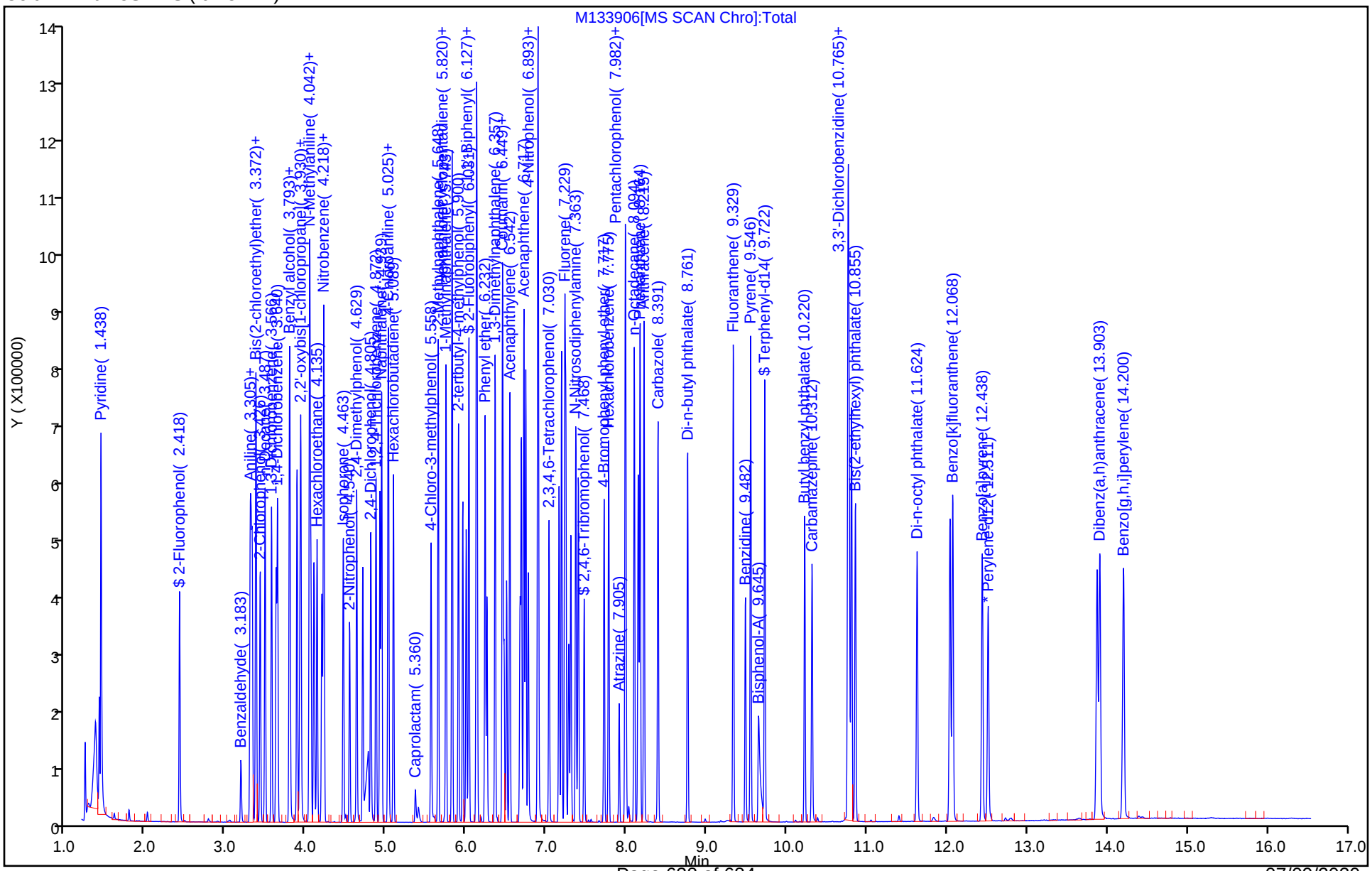
Lims ID: ccvis Worklist Smp#: 2

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270LVI_17 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



Manual Integration/User Assign Peak Report

Eurofins TestAmerica, Edison

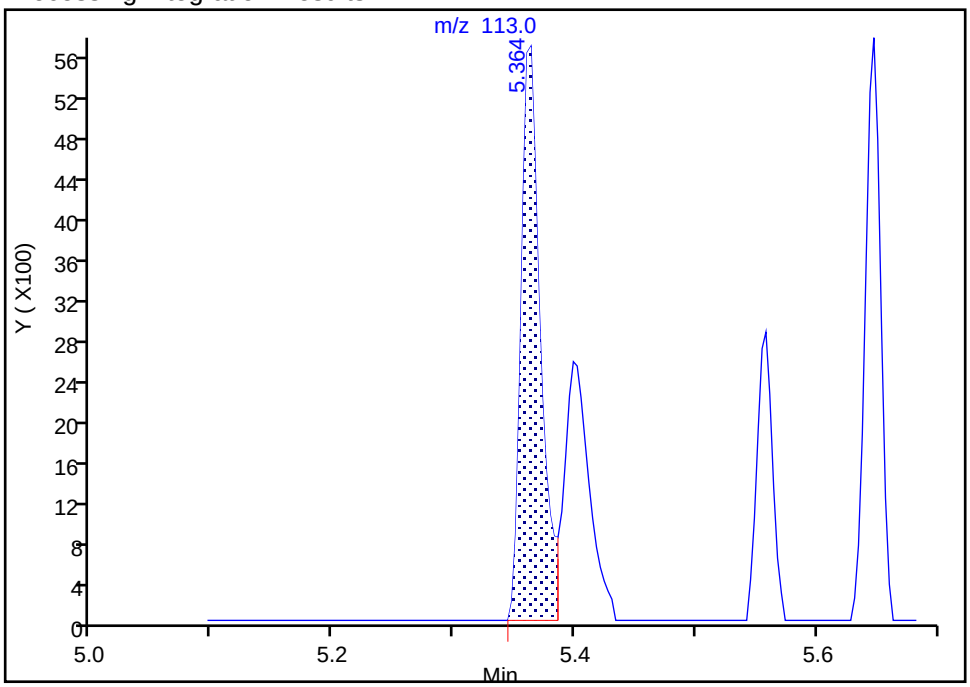
Data File:	\\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133906.D				
Injection Date:	04-Jul-2020 20:14:30	Instrument ID:	CBNAMS17		
Lims ID:	ccvis				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	5.0 ul	Dil. Factor:	1.0000		
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Signal: 1

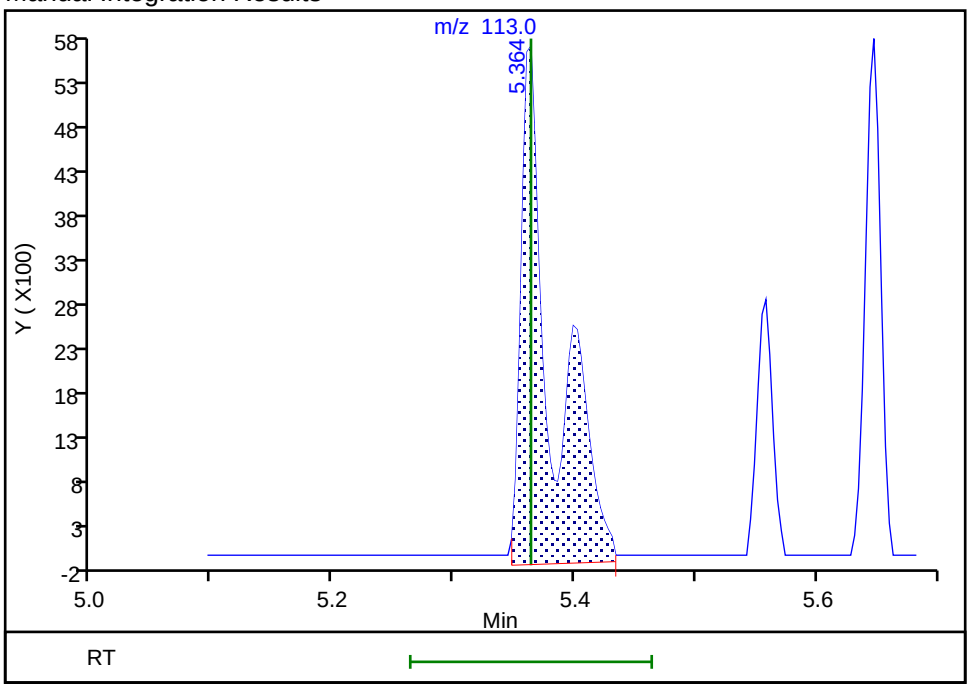
Processing Integration Results

RT: 5.36
Area: 6282
Amount: 2.516653
Amount Units: ug/ml



Manual Integration Results

RT: 5.36
Area: 10283
Amount: 4.119507
Amount Units: ug/ml



Reviewer: hamziy, 04-Jul-2020 20:33:39

Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132027.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 20-Apr-2020 10:56:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0108818-001
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 20-Apr-2020 15:44:23 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX0333

First Level Reviewer: johnstonm1 Date: 20-Apr-2020 11:10:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	4.219	4.219	0.000	92	33117	NR	NR	
56 Benzidine_T	184	5.470	5.470	0.000	99	210178	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	5.917	5.917	0.000	90	320		NR	
127 4,4'-DDT	235	6.127	6.127	0.000	98	117957	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

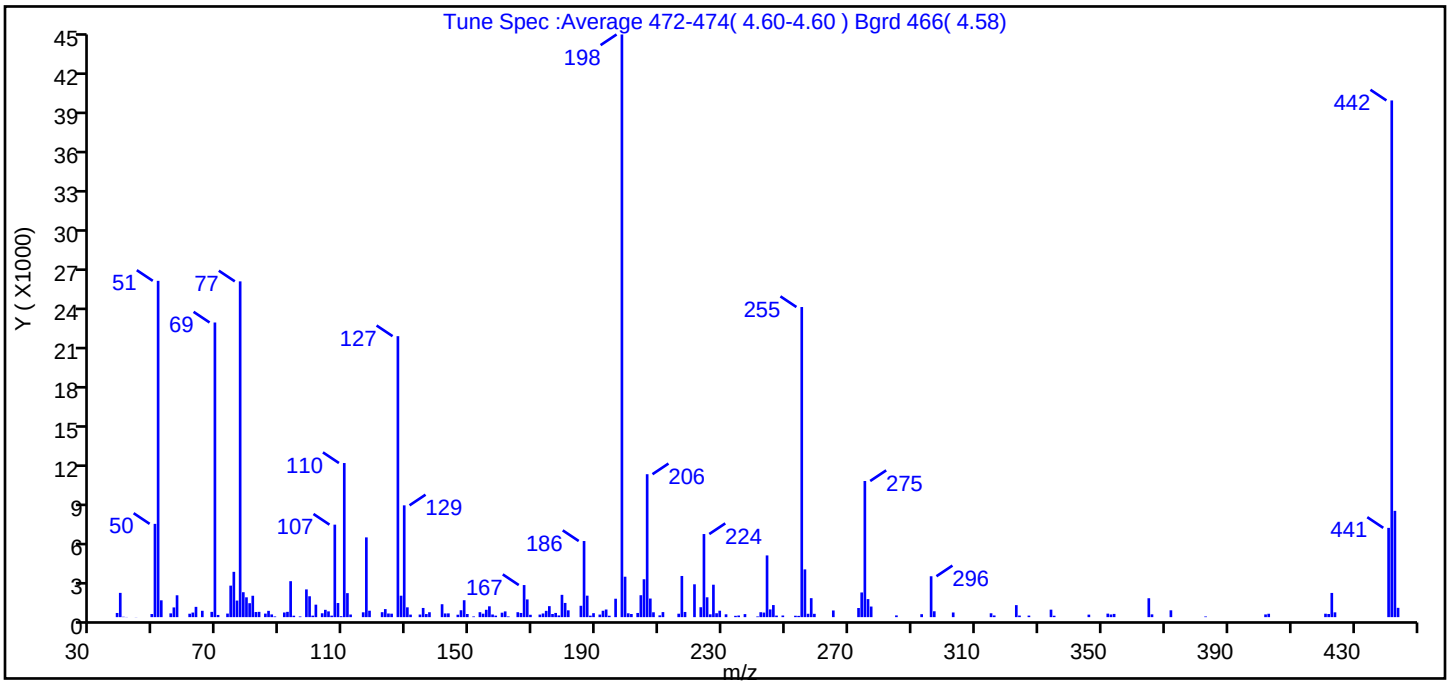
SMDFTP_CH_00030 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132027.D
Injection Date: 20-Apr-2020 10:56:30 Instrument ID: CBNAMS17
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (112.8)
51	10-80% of the base peak	57.7
68	<2% of mass 69	0.9 (1.8)
69	Present	50.6
70	<2% of mass 69	0.4 (0.7)
127	10-80% of the base peak	48.2
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	23.4
365	>1% of mass 198	3.2
441	present but <24% of mass 442	15.3 (17.3)
442	base peak, or >50% of 198	88.7
443	15-24% of mass 442	18.2 (20.6)

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132027.D\8270LVI_17.rslt\spectra.d
Injection Date: 20-Apr-2020 10:56:30
Spectrum: Tune Spec :Average 472-474(4.60-4.60) Bgrd 466(4.58)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	317	108.00	1074	177.00	320	247.00	118
39.00	1846	109.00	71	178.00	129	249.00	124
40.00	30	110.00	11720	179.00	1696	253.00	107
41.00	13	111.00	1826	180.00	1080	254.00	96
44.00	9	112.00	199	181.00	519	255.00	23584
49.00	237	116.00	368	185.00	864	256.00	3632
50.00	7094	117.00	6066	186.00	5789	257.00	256
51.00	25576	118.00	489	187.00	1634	258.00	1444
52.00	1280	122.00	377	188.00	113	259.00	253
55.00	289	123.00	611	189.00	302	265.00	508
56.00	739	124.00	277	191.00	195	273.00	694
57.00	1663	125.00	263	192.00	486	274.00	1877
61.00	259	127.00	21368	193.00	581	275.00	10353
62.00	349	128.00	1630	194.00	108	276.00	1373
63.00	782	129.00	8502	196.00	1401	277.00	806
65.00	484	130.00	746	198.00	44312	285.00	132
68.00	402	131.00	192	199.00	3075	293.00	226
69.00	22408	134.00	198	200.00	292	296.00	3110
70.00	167	135.00	699	201.00	239	297.00	447
73.00	272	136.00	235	203.00	318	303.00	355
74.00	2396	137.00	374	204.00	1667	315.00	295
75.00	3446	141.00	983	205.00	2882	316.00	127
76.00	1260	142.00	280	206.00	10870	323.00	914
77.00	25536	143.00	286	207.00	1415	324.00	122
78.00	1896	146.00	185	208.00	370	327.00	118
79.00	1508	147.00	525	210.00	136	334.00	570
80.00	1060	148.00	1286	211.00	385	335.00	107
81.00	1627	149.00	238	216.00	261	346.00	191
82.00	389	151.00	54	217.00	3131	352.00	268
83.00	403	153.00	376	218.00	394	353.00	203
85.00	269	154.00	262	221.00	2498	354.00	246
86.00	479	155.00	559	223.00	754	365.00	1438
87.00	207	156.00	825	224.00	6320	366.00	213

Report Date: 20-Apr-2020 15:44:24 Chrom Revision: 2.3 11-Mar-2020 18:53:20
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132027.D\8270LVI_17.rslt\spectra.d
Injection Date: 20-Apr-2020 10:56:30
Spectrum: Tune Spec :Average 472-474(4.60-4.60) Bgrd 466(4.58)
Base Peak: 198.00
Minimum % Base Peak: 0
Number of Points: 189

m/z	Y	m/z	Y	m/z	Y	m/z	Y
88.00	53	157.00	202	225.00	1509	372.00	520
91.00	354	158.00	114	226.00	215	383.00	52
92.00	402	160.00	339	227.00	2467	402.00	207
93.00	2735	161.00	437	228.00	297	403.00	257
94.00	110	162.00	54	229.00	489	421.00	260
96.00	52	165.00	375	231.00	215	422.00	240
98.00	2110	166.00	317	234.00	101	423.00	1841
99.00	1588	167.00	2440	235.00	122	424.00	365
100.00	114	168.00	1348	237.00	232	441.00	6790
101.00	950	169.00	180	241.00	52	442.00	39296
103.00	295	172.00	195	242.00	375	443.00	8084
104.00	557	173.00	279	243.00	347	444.00	708
105.00	438	174.00	479	244.00	4694		
106.00	115	175.00	837	245.00	587		
107.00	7034	176.00	239	246.00	919		

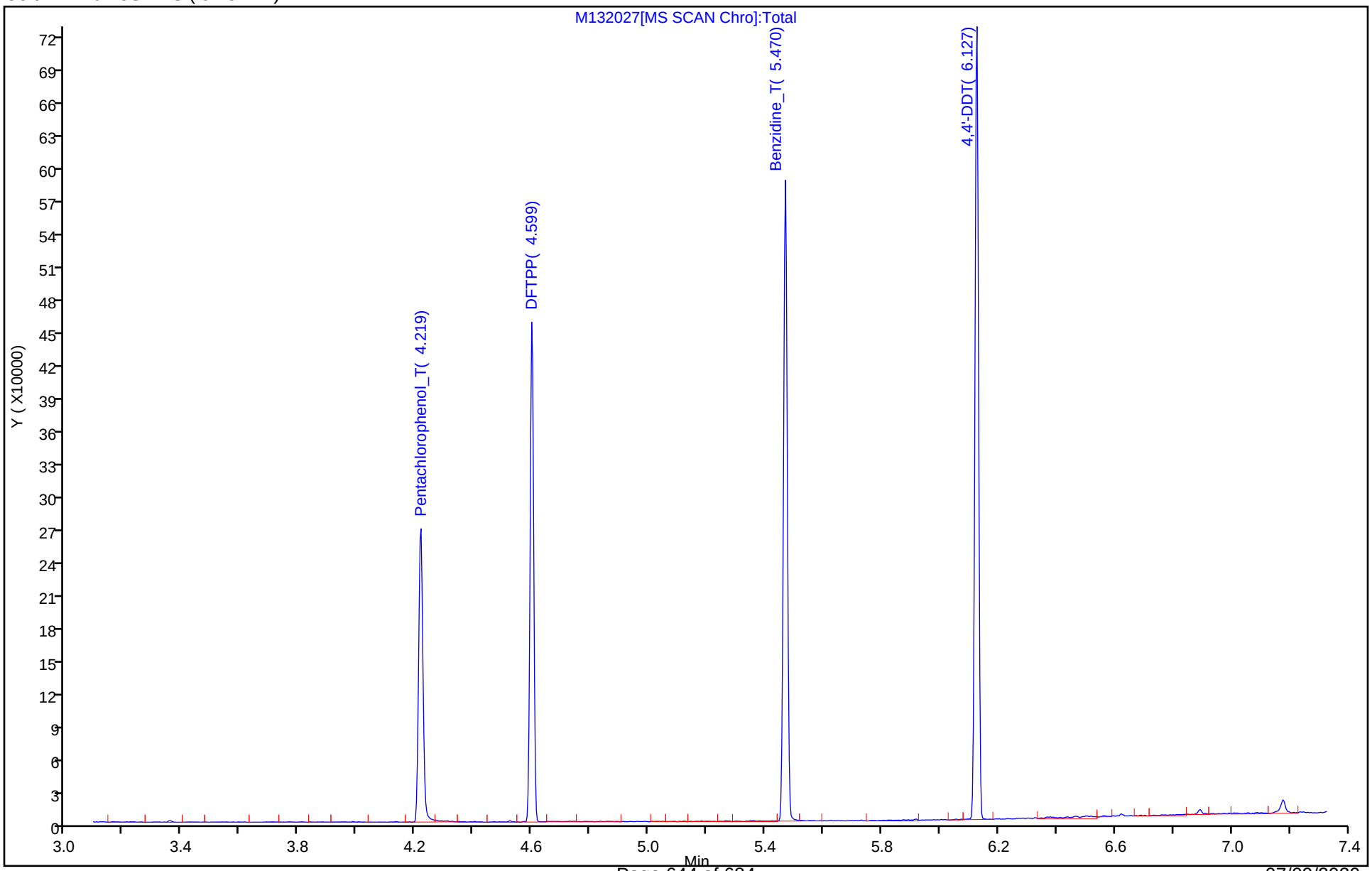
Report Date: 20-Apr-2020 15:44:24 Chrom Revision: 2.3 11-Mar-2020 18:53:20

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132027.D

Injection Date:	20-Apr-2020 10:56:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	dftpp			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

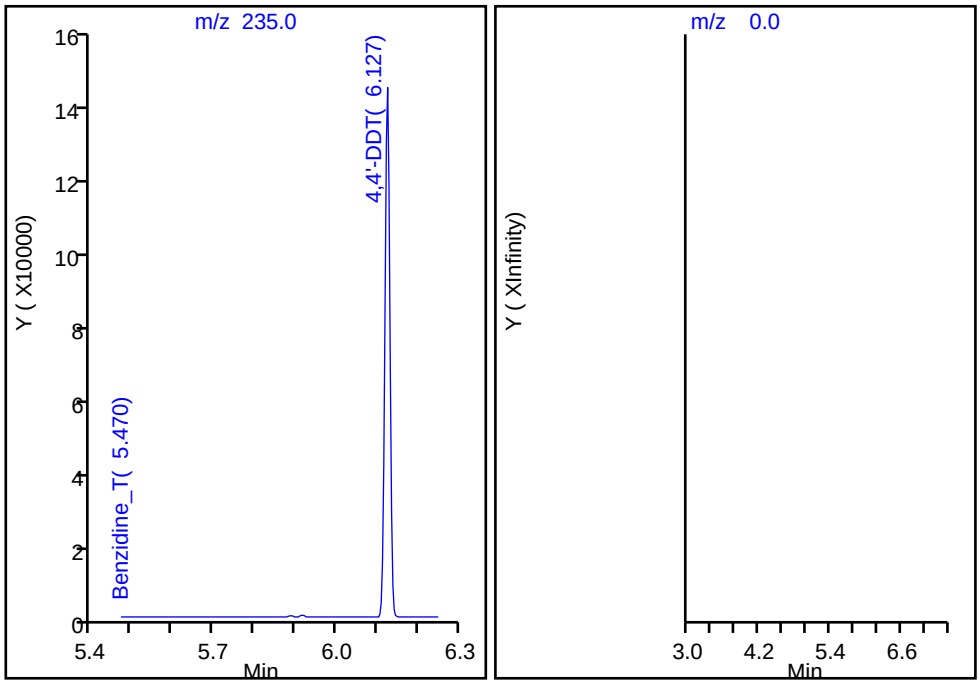


Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132027.D
Injection Date: 20-Apr-2020 10:56:30 Instrument ID: CBNAMS17
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 117957
126 4,4'-DDD, Area = 320
125 4,4'-DDE, Area = 0

%Breakdown: 0.27%, <= 20.00%
Passed

Peak Tailing Report

Eurofins TestAmerica, Edison

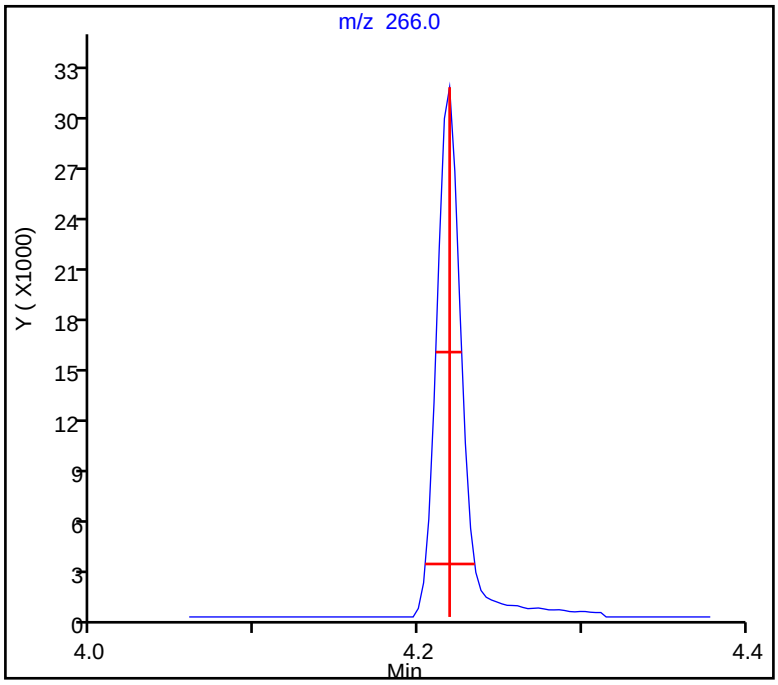
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132027.D
Injection Date: 20-Apr-2020 10:56:30 Instrument ID: CBNAMS17
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

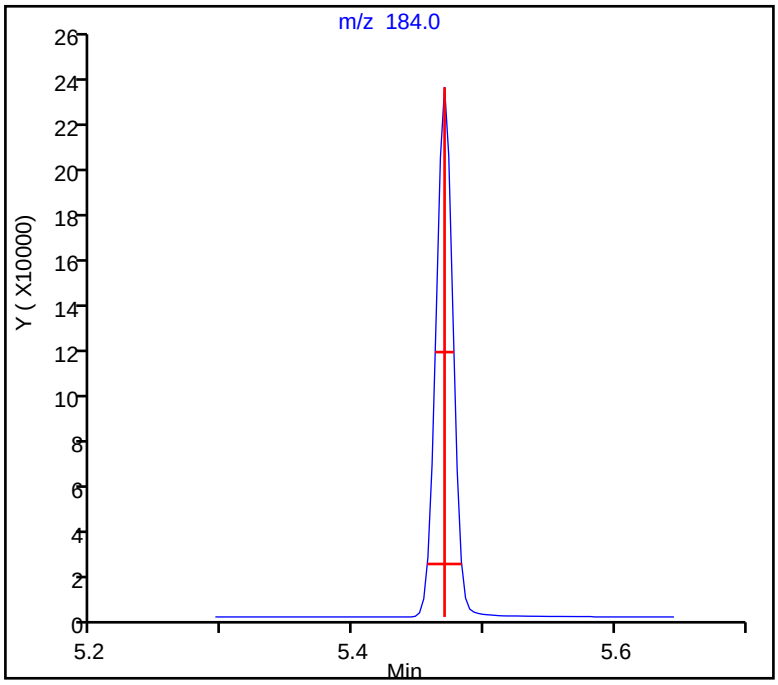
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132027.D
Injection Date: 20-Apr-2020 10:56:30 Instrument ID: CBNAMS17
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.0, Max. Tailing < 2.00
Passed



Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133905.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 04-Jul-2020 19:52:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0112716-001
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 07-Jul-2020 09:52:29 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1034

First Level Reviewer: maheseep Date: 07-Jul-2020 09:52:29

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
31 Pentachlorophenol_T	266	3.728	3.728	0.000	94	47758	NR	NR	
56 Benzidine_T	184	5.007	5.007	0.000	99	312725	NR	NR	
124 DFTPP									
126 4,4'-DDD	235	5.454	5.454	0.000	78	407		NR	
127 4,4'-DDT	235	5.664	5.664	0.000	99	136516	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

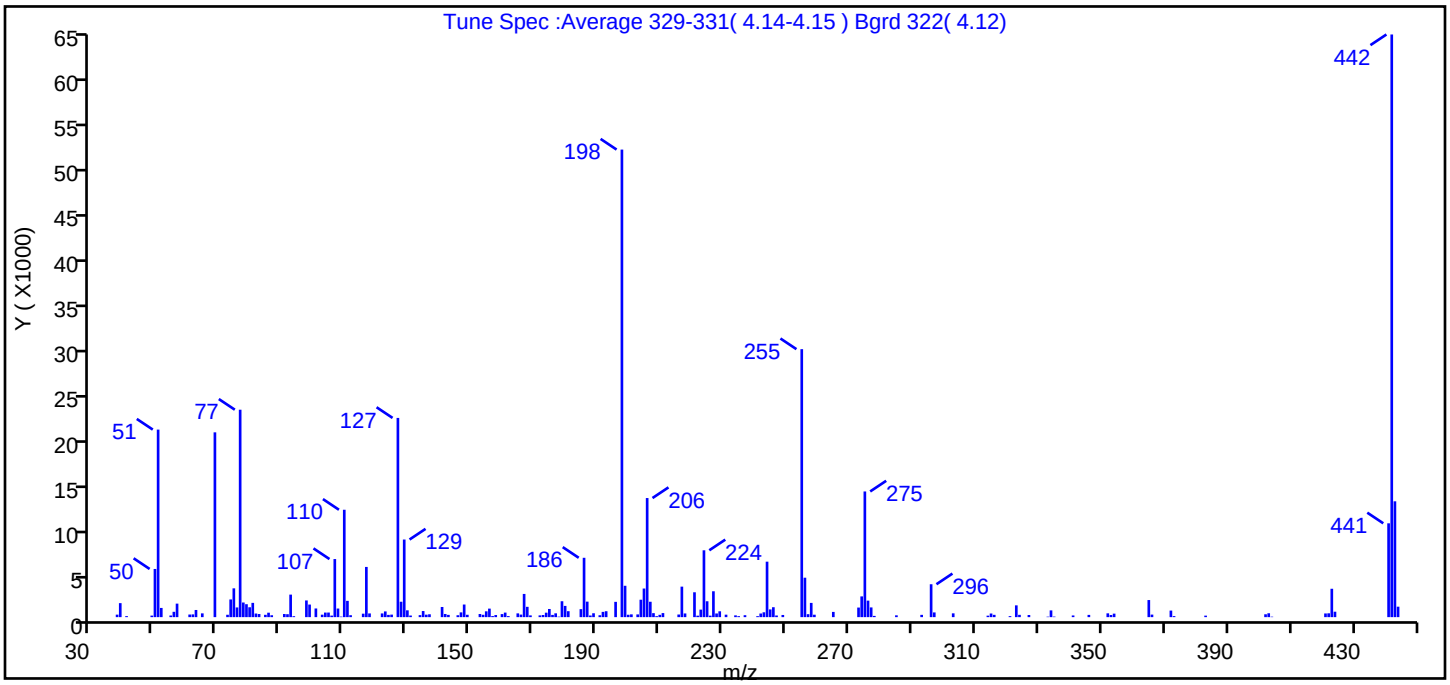
SMDFTP_CH_00031 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133905.D
Injection Date: 04-Jul-2020 19:52:30 Instrument ID: CBNAMS17
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL
Tune Method: DFTPP Method 8270D, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (80.2)
51	10-80% of the base peak	40.1
68	<2% of mass 69	0.0 (0.0)
69	Present	39.5
70	<2% of mass 69	0.0 (0.0)
127	10-80% of the base peak	42.6
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.7
275	10-60% of the base peak	26.9
365	>1% of mass 198	3.7
441	present but <24% of mass 442	20.1 (16.1)
442	base peak, or >50% of 198	124.6
443	15-24% of mass 442	24.8 (19.9)

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133905.D\8270LVI_17.rslt\spectra.d
Injection Date: 04-Jul-2020 19:52:30
Spectrum: Tune Spec :Average 329-331(4.14-4.15) Bgrd 322(4.12)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 187

m/z	Y	m/z	Y	m/z	Y	m/z	Y
38.00	278	117.00	5573	186.00	6588	257.00	328
39.00	1554	118.00	413	187.00	1721	258.00	1580
41.00	114	122.00	412	188.00	182	259.00	270
49.00	171	123.00	635	189.00	432	265.00	581
50.00	5347	124.00	251	191.00	211	273.00	1064
51.00	20816	125.00	281	192.00	584	274.00	2303
52.00	1022	127.00	22112	193.00	658	275.00	13950
55.00	182	128.00	1710	196.00	1698	276.00	1832
56.00	592	129.00	8615	198.00	51896	277.00	1079
57.00	1500	130.00	757	199.00	3481	278.00	137
61.00	290	131.00	179	200.00	266	285.00	202
62.00	306	134.00	223	201.00	309	293.00	255
63.00	795	135.00	677	203.00	303	296.00	3652
65.00	420	136.00	274	204.00	1935	297.00	524
69.00	20512	137.00	318	205.00	3176	303.00	422
73.00	264	141.00	1127	206.00	13220	314.00	164
74.00	1964	142.00	351	207.00	1708	315.00	404
75.00	3197	143.00	252	208.00	443	316.00	256
76.00	1077	146.00	213	209.00	107	321.00	111
77.00	23024	147.00	528	210.00	258	323.00	1309
78.00	1624	148.00	1401	211.00	451	324.00	256
79.00	1435	149.00	263	216.00	291	327.00	236
80.00	1097	153.00	348	217.00	3386	333.00	52
81.00	1584	154.00	262	218.00	409	334.00	749
82.00	401	155.00	647	221.00	2760	335.00	59
83.00	347	156.00	946	222.00	163	341.00	187
85.00	259	157.00	120	223.00	835	346.00	250
86.00	493	158.00	232	224.00	7420	352.00	423
87.00	210	160.00	338	225.00	1763	353.00	236
91.00	349	161.00	505	226.00	165	354.00	389
92.00	326	162.00	114	227.00	2872	365.00	1897
93.00	2501	165.00	419	228.00	408	366.00	283
94.00	105	166.00	283	229.00	649	372.00	728

Report Date: 07-Jul-2020 09:52:30 Chrom Revision: 2.3 21-Jun-2020 18:30:46
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133905.D\8270LVI_17.rslt\spectra.d
Injection Date: 04-Jul-2020 19:52:30
Spectrum: Tune Spec :Average 329-331(4.14-4.15) Bgrd 322(4.12)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 187

m/z	Y	m/z	Y	m/z	Y	m/z	Y
98.00	1853	167.00	2576	231.00	274	373.00	114
99.00	1397	168.00	1145	234.00	197	383.00	168
101.00	963	169.00	194	235.00	108	402.00	318
103.00	273	172.00	196	237.00	215	403.00	431
104.00	508	173.00	237	241.00	108	404.00	52
105.00	510	174.00	495	242.00	403	421.00	409
106.00	172	175.00	906	243.00	539	422.00	426
107.00	6447	176.00	248	244.00	6157	423.00	3150
108.00	956	177.00	424	245.00	857	424.00	604
109.00	58	178.00	53	246.00	1102	441.00	10414
110.00	11920	179.00	1766	247.00	183	442.00	64672
111.00	1808	180.00	1247	249.00	241	443.00	12857
112.00	214	181.00	661	255.00	29744	444.00	1160
116.00	385	185.00	886	256.00	4377		

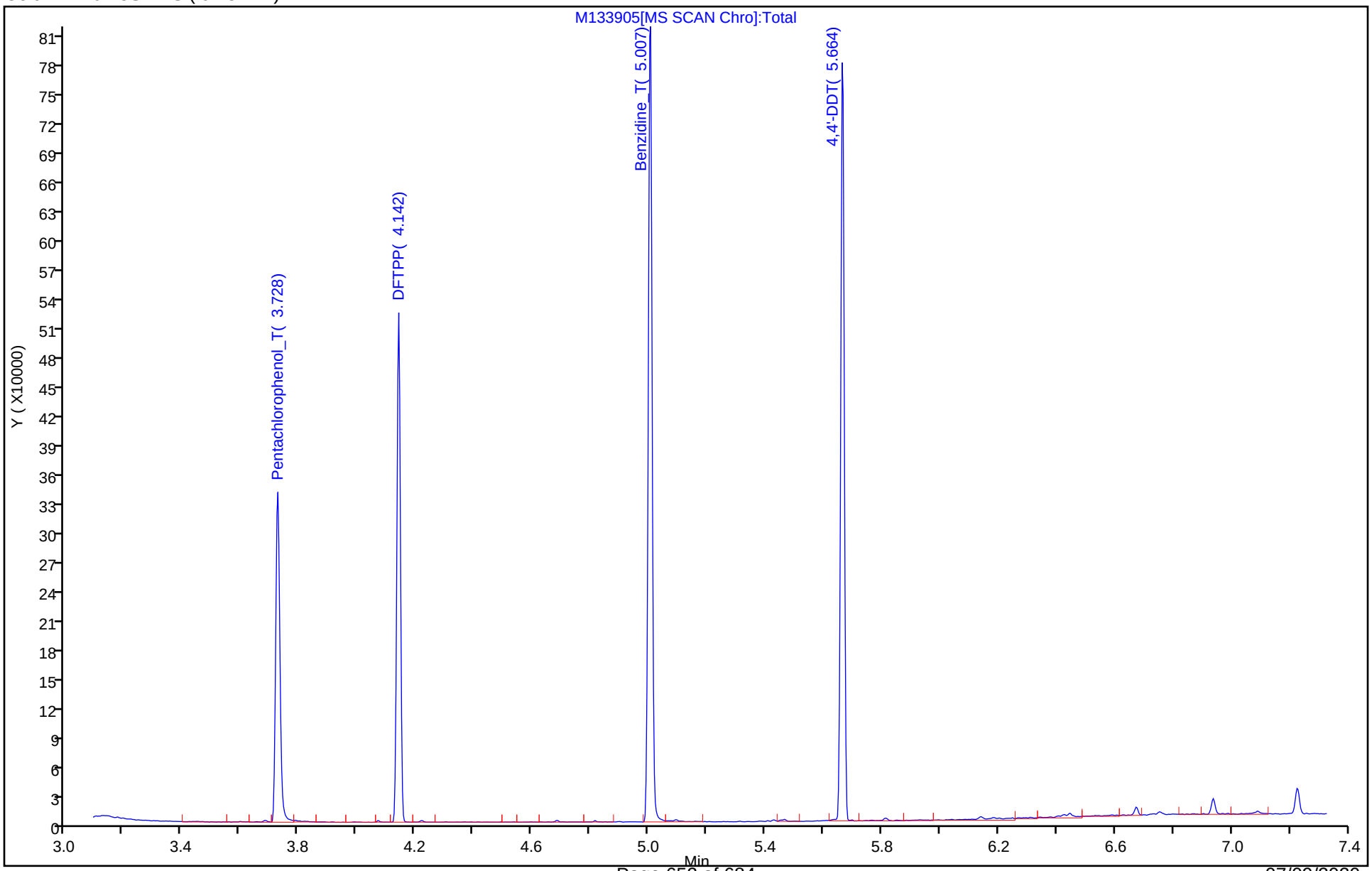
Report Date: 07-Jul-2020 09:52:30 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133905.D

Injection Date:	04-Jul-2020 19:52:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	dftpp			Worklist Smp#:	1
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)

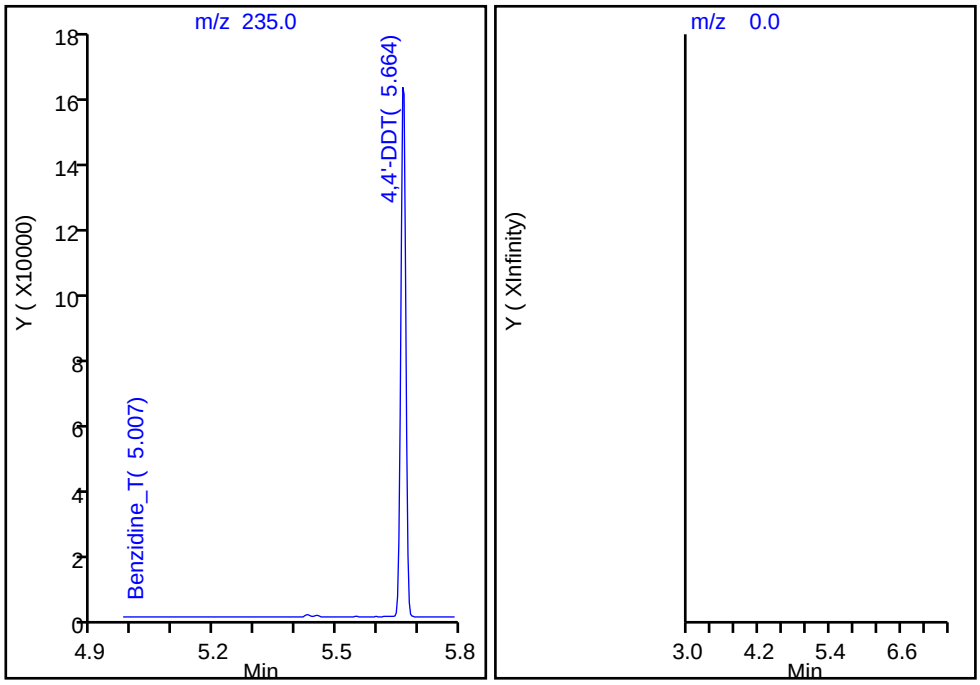


Breakdown Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133905.D
Injection Date: 04-Jul-2020 19:52:30 Instrument ID: CBNAMS17
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL

127 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

127 4,4'-DDT, Area = 136516
126 4,4'-DDD, Area = 407
125 4,4'-DDE, Area = 0

%Breakdown: 0.30%, <= 20.00%
Passed

Peak Tailing Report

Eurofins TestAmerica, Edison

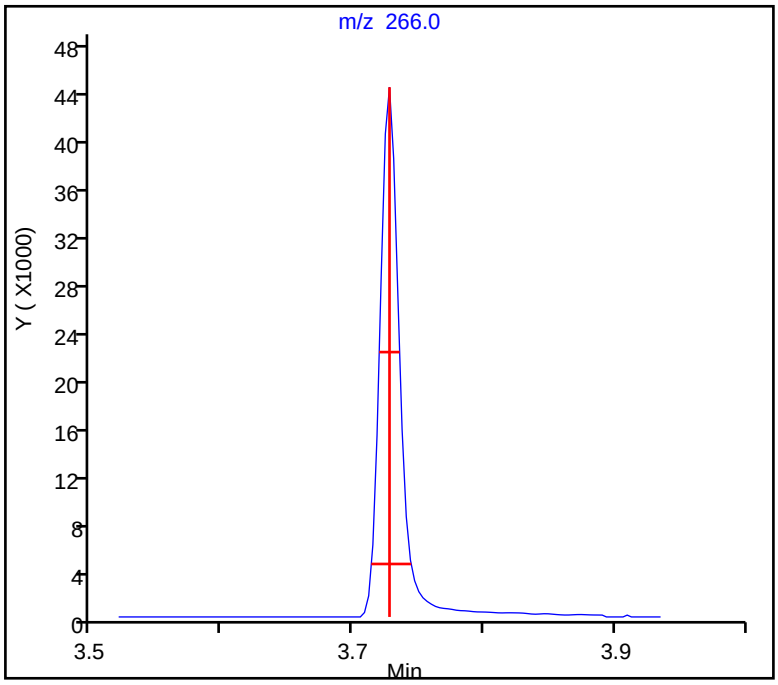
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133905.D
Injection Date: 04-Jul-2020 19:52:30 Instrument ID: CBNAMS17
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.2, Max. Tailing < 2.00
Passed



Peak Tailing Report

Eurofins TestAmerica, Edison

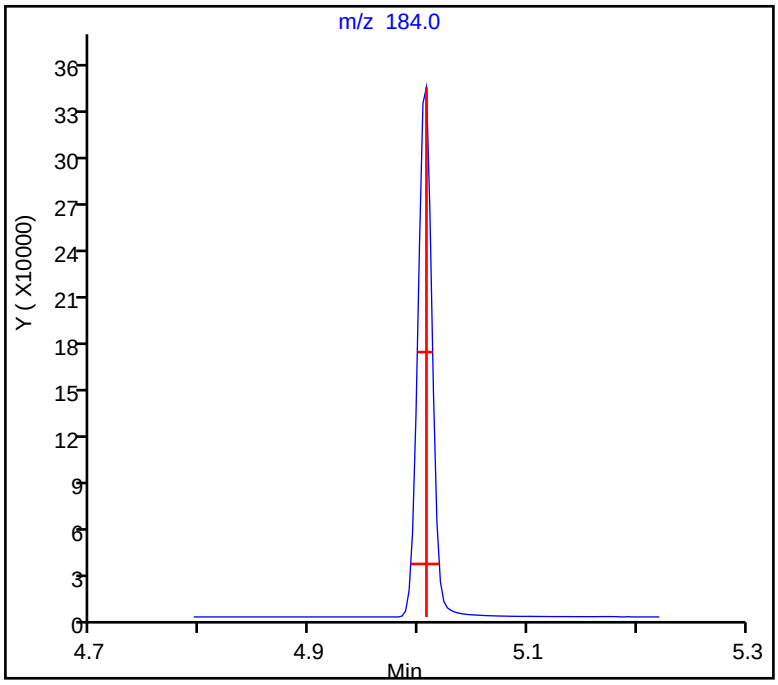
Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133905.D
Injection Date: 04-Jul-2020 19:52:30 Instrument ID: CBNAMS17
Lims ID: dftpp
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL

56 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.012 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 0.9, Max. Tailing < 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-705856/1-A

Matrix: Water Lab File ID: M133908.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 20:58

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	1.2	U	10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	0.63	U	10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	0.75	U	10	0.75
95-95-4	2,4,5-Trichlorophenol	0.88	U	10	0.88
88-06-2	2,4,6-Trichlorophenol	0.86	U	10	0.86
120-83-2	2,4-Dichlorophenol	1.1	U	10	1.1
105-67-9	2,4-Dimethylphenol	0.62	U	10	0.62
51-28-5	2,4-Dinitrophenol	14	U	20	14
121-14-2	2,4-Dinitrotoluene	1.0	U	2.0	1.0
606-20-2	2,6-Dinitrotoluene	0.83	U	2.0	0.83
91-58-7	2-Chloronaphthalene	1.2	U	10	1.2
95-57-8	2-Chlorophenol	0.38	U	10	0.38
91-57-6	2-Methylnaphthalene	1.1	U	10	1.1
95-48-7	2-Methylphenol	0.67	U	10	0.67
88-74-4	2-Nitroaniline	0.47	U	10	0.47
88-75-5	2-Nitrophenol	0.75	U	10	0.75
91-94-1	3,3'-Dichlorobenzidine	1.4	U	10	1.4
99-09-2	3-Nitroaniline	1.9	U	10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	13	U	20	13
101-55-3	4-Bromophenyl phenyl ether	0.75	U	10	0.75
59-50-7	4-Chloro-3-methylphenol	0.58	U	10	0.58
106-47-8	4-Chloroaniline	1.9	U	10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	1.3	U	10	1.3
106-44-5	4-Methylphenol	0.65	U	10	0.65
100-01-6	4-Nitroaniline	1.2	U	10	1.2
100-02-7	4-Nitrophenol	4.0	U	20	4.0
83-32-9	Acenaphthene	1.1	U	10	1.1
208-96-8	Acenaphthylene	0.82	U	10	0.82
98-86-2	Acetophenone	2.3	U	10	2.3
120-12-7	Anthracene	0.63	U	10	0.63
1912-24-9	Atrazine	1.3	U	2.0	1.3
100-52-7	Benzaldehyde	2.1	U	10	2.1
56-55-3	Benzo[a]anthracene	0.59	U	1.0	0.59
50-32-8	Benzo[a]pyrene	0.41	U	1.0	0.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-705856/1-A

Matrix: Water Lab File ID: M133908.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 20:58

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	0.68	U	2.0	0.68
191-24-2	Benzo[g,h,i]perylene	1.4	U	10	1.4
207-08-9	Benzo[k]fluoranthene	0.67	U	1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	0.59	U	10	0.59
111-44-4	Bis(2-chloroethyl)ether	0.63	U	1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	1.7	U	2.0	1.7
85-68-7	Butyl benzyl phthalate	0.85	U	10	0.85
105-60-2	Caprolactam	0.68	U	10	0.68
86-74-8	Carbazole	0.68	U	10	0.68
218-01-9	Chrysene	0.91	U	2.0	0.91
53-70-3	Dibenz(a,h)anthracene	0.72	U	1.0	0.72
132-64-9	Dibenzofuran	1.1	U	10	1.1
84-66-2	Diethyl phthalate	0.98	U	10	0.98
131-11-3	Dimethyl phthalate	0.77	U	10	0.77
84-74-2	Di-n-butyl phthalate	0.84	U	10	0.84
117-84-0	Di-n-octyl phthalate	4.8	U	10	4.8
92-52-4	Diphenyl	1.2	U	10	1.2
206-44-0	Fluoranthene	0.84	U	10	0.84
86-73-7	Fluorene	0.91	U	10	0.91
118-74-1	Hexachlorobenzene	0.40	U	1.0	0.40
87-68-3	Hexachlorobutadiene	0.78	U	1.0	0.78
77-47-4	Hexachlorocyclopentadiene	3.6	U	10	3.6
67-72-1	Hexachloroethane	0.80	U	2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	0.94	U	2.0	0.94
78-59-1	Isophorone	0.80	U	10	0.80
91-20-3	Naphthalene	1.1	U	2.0	1.1
98-95-3	Nitrobenzene	0.57	U	1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	0.43	U	1.0	0.43
86-30-6	N-Nitrosodiphenylamine	0.89	U	10	0.89
87-86-5	Pentachlorophenol	1.4	U	20	1.4
85-01-8	Phenanthrene	0.58	U	10	0.58
108-95-2	Phenol	0.29	U	10	0.29
129-00-0	Pyrene	1.6	U	10	1.6
1746-01-6	2,3,7,8-TCDD	1.0	U	1.0	1.0

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-705856/1-A

Matrix: Water Lab File ID: M133908.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 20:58

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	118		36-159
321-60-8	2-Fluorobiphenyl	96		42-127
367-12-4	2-Fluorophenol	52		18-72
4165-60-0	Nitrobenzene-d5	95		46-137
4165-62-2	Phenol-d5	36		10-50
1718-51-0	Terphenyl-d14	126		39-150

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: MB 460-705856/1-A

Matrix: Water Lab File ID: M133908.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 20:58

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

Number TICs Found: 0 TIC Result Total: 0

CAS NO.	COMPOUND NAME	RT	RESULT	Q	MATCH QUALITY
	Tentatively Identified Compound		None		

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133908.D
Lims ID: MB 460-705856/1-A
Client ID:
Sample Type: MB
Inject. Date: 04-Jul-2020 20:58:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0112716-004
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 07-Jul-2020 09:53:53 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1034

First Level Reviewer: maheseep Date: 07-Jul-2020 09:54:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.414	2.418	-0.004	94	67057	10.0	5.17	
$ 6 Phenol-d5	99	3.301	3.311	-0.010	97	59171	10.0	3.57	
* 14 1,4-Dichlorobenzene-d4	152	3.617	3.624	-0.007	96	78994	8.00	8.00	
$ 27 Nitrobenzene-d5	82	4.188	4.195	-0.007	91	144398	10.0	9.49	
* 38 Naphthalene-d8	136	4.915	4.920	-0.005	99	293437	8.00	8.00	
$ 51 2-Fluorobiphenyl	172	6.028	6.031	-0.003	97	290725	10.0	9.55	
* 64 Acenaphthene-d10	164	6.682	6.686	-0.004	97	163819	8.00	8.00	
$ 80 2,4,6-Tribromophenol	330	7.466	7.468	-0.002	92	61345	10.0	11.8	
* 87 Phenanthrene-d10	188	8.139	8.142	-0.003	99	300549	8.00	8.00	
$ 96 Terphenyl-d14	244	9.721	9.722	-0.001	98	338958	10.0	12.6	
* 102 Chrysene-d12	240	10.771	10.778	-0.007	99	204272	8.00	8.00	
* 109 Perylene-d12	264	12.506	12.511	-0.005	99	196664	8.00	8.00	

Reagents:

SM_ISTD_LVI_00191 Amount Added: 20.00 Units: uL Run Reagent

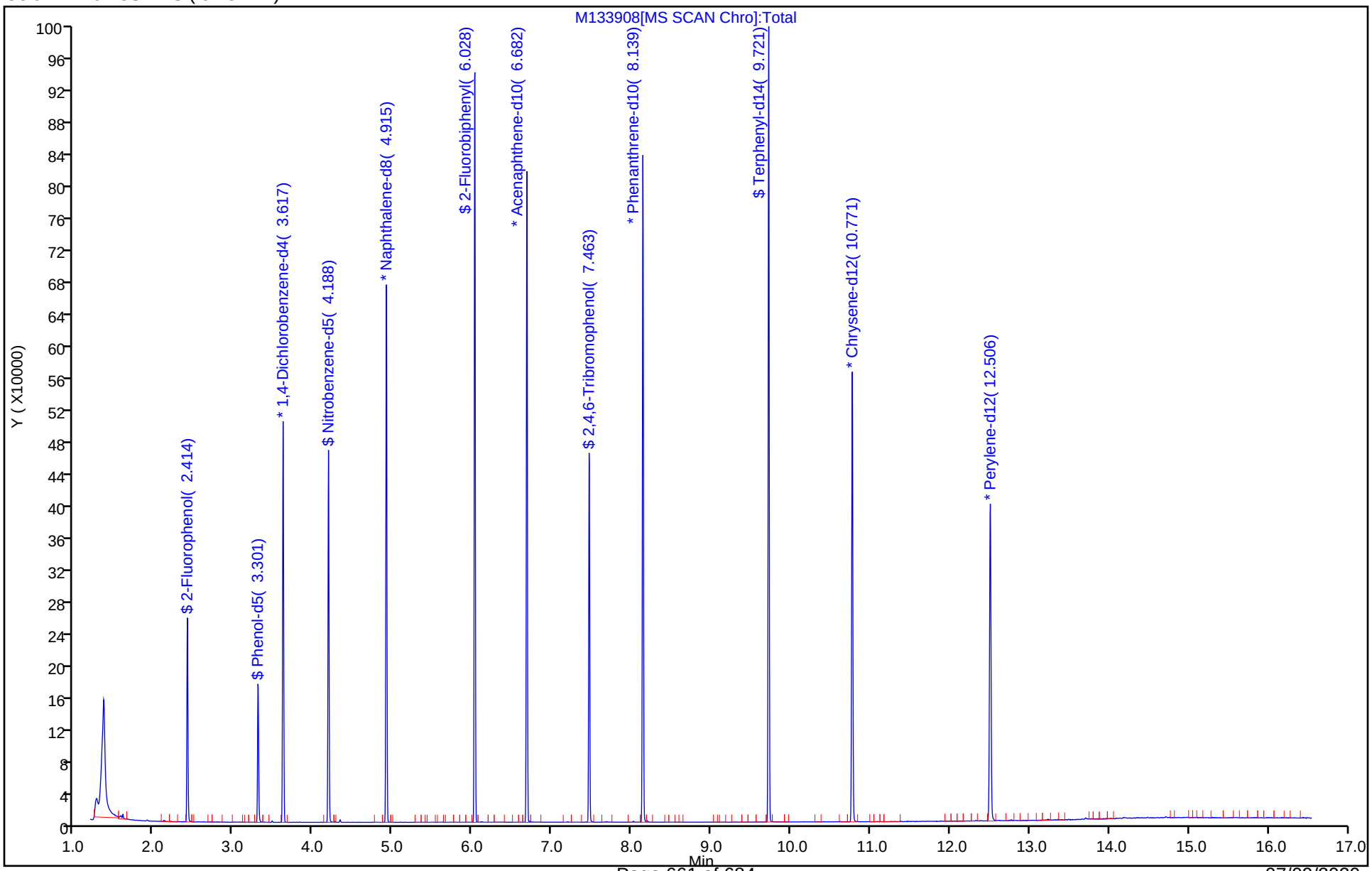
Report Date: 07-Jul-2020 09:54:54 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133908.D

Injection Date:	04-Jul-2020 20:58:30	Instrument ID:	CBNAMS17	Operator ID:	
Lims ID:	MB 460-705856/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	5.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270LVI_17	Limit Group:	SV 8270D ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



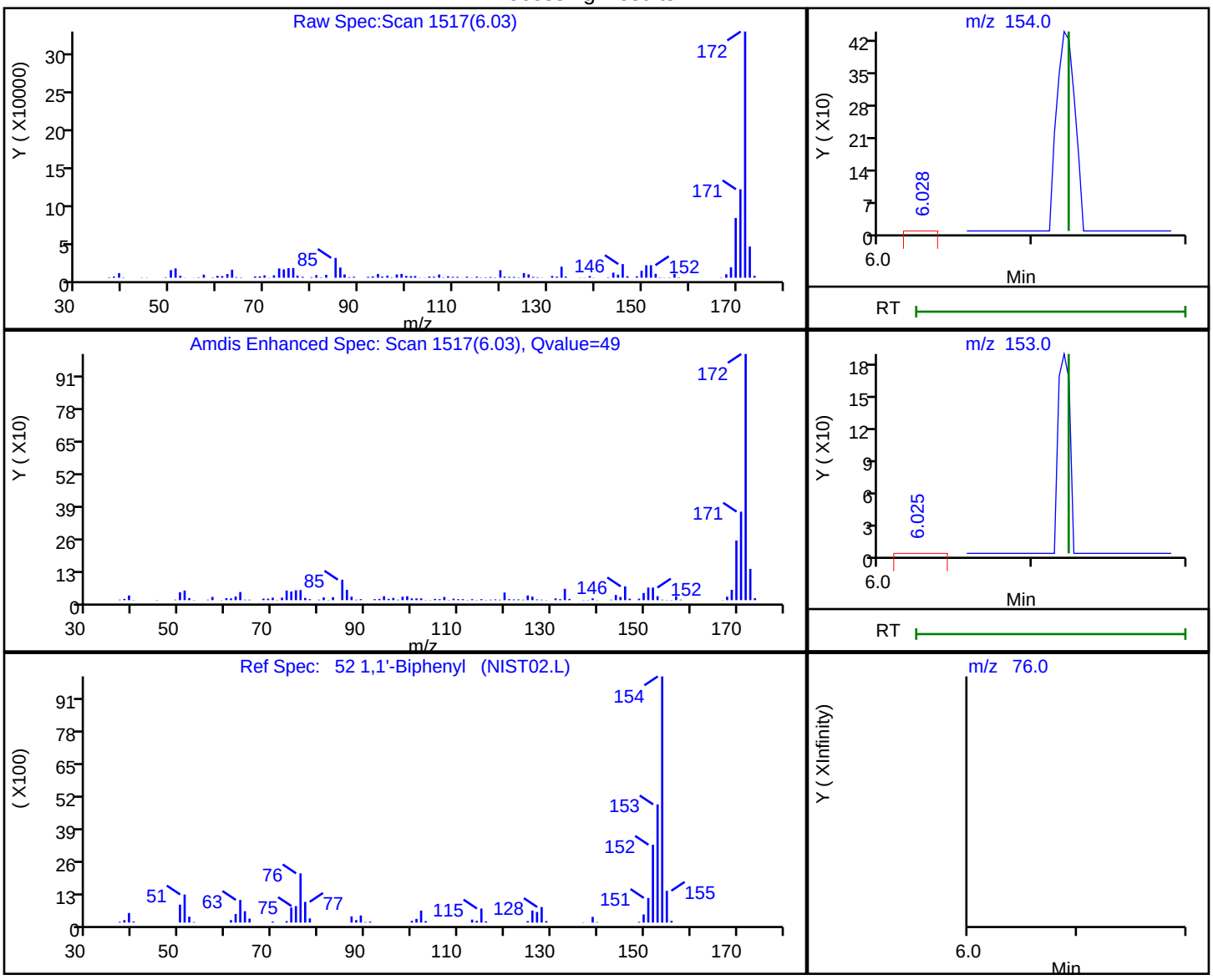
User Disabled Compound Report

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133908.D
Injection Date: 04-Jul-2020 20:58:30 Instrument ID: CBNAMS17
Lims ID: MB 460-705856/1-A
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Method: 8270LVI_17 Limit Group: SV 8270D ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

52 1,1'-Biphenyl, CAS: 92-52-4

Processing Results



RT	Mass	Response	Amount
6.03	154.00	425	0.012963
6.02	153.00	4789	
6.02	76.00	11665	

Reviewer: hamziy, 04-Jul-2020 21:24:12
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-705856/2-A

Matrix: Water Lab File ID: M133909.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 21:19

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	72.9		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	56.2		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	77.9		10	0.75
95-95-4	2,4,5-Trichlorophenol	76.2		10	0.88
88-06-2	2,4,6-Trichlorophenol	80.3		10	0.86
120-83-2	2,4-Dichlorophenol	69.3		10	1.1
105-67-9	2,4-Dimethylphenol	64.0		10	0.62
51-28-5	2,4-Dinitrophenol	166		20	14
121-14-2	2,4-Dinitrotoluene	79.4		2.0	1.0
606-20-2	2,6-Dinitrotoluene	79.2		2.0	0.83
91-58-7	2-Chloronaphthalene	72.0		10	1.2
95-57-8	2-Chlorophenol	62.9		10	0.38
91-57-6	2-Methylnaphthalene	66.8		10	1.1
95-48-7	2-Methylphenol	51.6		10	0.67
88-74-4	2-Nitroaniline	56.4		10	0.47
88-75-5	2-Nitrophenol	73.1		10	0.75
91-94-1	3,3'-Dichlorobenzidine	88.4		10	1.4
99-09-2	3-Nitroaniline	68.0		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	165		20	13
101-55-3	4-Bromophenyl phenyl ether	82.8		10	0.75
59-50-7	4-Chloro-3-methylphenol	63.9		10	0.58
106-47-8	4-Chloroaniline	62.7		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	74.8		10	1.3
106-44-5	4-Methylphenol	46.5		10	0.65
100-01-6	4-Nitroaniline	69.5		10	1.2
100-02-7	4-Nitrophenol	58.9		20	4.0
83-32-9	Acenaphthene	69.7		10	1.1
208-96-8	Acenaphthylene	73.4		10	0.82
98-86-2	Acetophenone	64.5		10	2.3
120-12-7	Anthracene	76.9		10	0.63
1912-24-9	Atrazine	64.7		2.0	1.3
100-52-7	Benzaldehyde	51.8		10	2.1
56-55-3	Benzo[a]anthracene	78.3		1.0	0.59
50-32-8	Benzo[a]pyrene	82.8		1.0	0.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-705856/2-A

Matrix: Water Lab File ID: M133909.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 21:19

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	83.2		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	75.3		10	1.4
207-08-9	Benzo[k]fluoranthene	83.6		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	67.4		10	0.59
111-44-4	Bis(2-chloroethyl)ether	67.2		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	73.6		2.0	1.7
85-68-7	Butyl benzyl phthalate	74.5		10	0.85
105-60-2	Caprolactam	13.5		10	0.68
86-74-8	Carbazole	75.3		10	0.68
218-01-9	Chrysene	76.8		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	76.7		1.0	0.72
132-64-9	Dibenzofuran	72.1		10	1.1
84-66-2	Diethyl phthalate	72.8		10	0.98
131-11-3	Dimethyl phthalate	74.5		10	0.77
84-74-2	Di-n-butyl phthalate	74.3		10	0.84
117-84-0	Di-n-octyl phthalate	73.0		10	4.8
92-52-4	Diphenyl	70.5		10	1.2
206-44-0	Fluoranthene	79.8		10	0.84
86-73-7	Fluorene	72.9		10	0.91
118-74-1	Hexachlorobenzene	81.9		1.0	0.40
87-68-3	Hexachlorobutadiene	67.1		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	59.7		10	3.6
67-72-1	Hexachloroethane	59.4		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	80.3		2.0	0.94
78-59-1	Isophorone	69.0		10	0.80
91-20-3	Naphthalene	67.3		2.0	1.1
98-95-3	Nitrobenzene	67.9		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	63.1		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	77.0		10	0.89
87-86-5	Pentachlorophenol	170		20	1.4
85-01-8	Phenanthrene	75.6		10	0.58
108-95-2	Phenol	25.6		10	0.29
129-00-0	Pyrene	75.5		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCS 460-705856/2-A

Matrix: Water Lab File ID: M133909.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 21:19

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	119		36-159
321-60-8	2-Fluorobiphenyl	100		42-127
367-12-4	2-Fluorophenol	53		18-72
4165-60-0	Nitrobenzene-d5	94		46-137
4165-62-2	Phenol-d5	36		10-50
1718-51-0	Terphenyl-d14	122		39-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133909.D
Lims ID: LCS 460-705856/2-A
Client ID:
Sample Type: LCS
Inject. Date: 04-Jul-2020 21:19:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0112716-005
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 07-Jul-2020 09:53:53 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1034

First Level Reviewer: hamziy Date: 04-Jul-2020 21:41:56

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.241	1.241	0.000	97	26312	10.0	4.18	
	2 N-Nitrosodimethylamine	74	1.416	1.416	0.000	89	41905	10.0	4.58	
	3 Pyridine	79	1.438	1.438	0.000	88	104341	20.0	6.72	
$	4 2-Fluorophenol	112	2.414	2.418	-0.004	94	72170	10.0	5.31	
	5 Benzaldehyde	77	3.174	3.183	-0.009	95	81808	5.00	6.48	E
	8 Aniline	93	3.292	3.301	-0.009	100	141091	10.0	6.01	
$	6 Phenol-d5	99	3.304	3.311	-0.007	97	62350	10.0	3.59	
	7 Phenol	94	3.317	3.327	-0.010	95	64304	10.0	3.20	
	9 Bis(2-chloroethyl)ether	93	3.362	3.368	-0.006	92	117711	10.0	8.40	
	10 Benzonitrile	103	3.365	3.375	-0.010	99	242651	NC	NC	
	11 2-Chlorophenol	128	3.419	3.426	-0.007	94	110210	10.0	7.87	
	12 n-Decane	43	3.480	3.487	-0.007	92	102397	10.0	5.48	
	13 1,3-Dichlorobenzene	146	3.560	3.566	-0.006	96	125110	10.0	7.36	
*	14 1,4-Dichlorobenzene-d4	152	3.617	3.624	-0.007	97	82866	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.636	3.640	-0.004	95	127575	10.0	7.36	
	16 Benzyl alcohol	108	3.783	3.790	-0.007	92	60852	10.0	6.65	
	17 1,2-Dichlorobenzene	146	3.790	3.796	-0.006	96	125811	10.0	7.66	
	19 2,2'-oxybis[1-chloropropane]	45	3.917	3.924	-0.007	93	183665	10.0	7.03	
	18 2-Methylphenol	108	3.930	3.933	-0.003	87	86457	10.0	6.45	
	20 N-Methylaniline	106	4.035	4.039	-0.004	98	185063	10.0	8.05	
	21 Acetophenone	105	4.042	4.045	-0.003	94	179125	10.0	8.06	
	22 N-Nitrosodi-n-propylamine	70	4.055	4.058	-0.003	85	91160	10.0	7.89	
	24 4-Methylphenol	108	4.093	4.096	-0.003	95	83547	10.0	5.81	
	23 3 & 4 Methylphenol	108	4.093	4.096	-0.003	64	83547	10.0	5.80	
	25 Hexachloroethane	117	4.131	4.135	-0.004	92	48024	10.0	7.43	
$	27 Nitrobenzene-d5	82	4.192	4.195	-0.003	90	148881	10.0	9.39	
	28 Nitrobenzene	123	4.211	4.214	-0.003	93	61120	10.0	8.49	
	29 n,n'-Dimethylaniline	120	4.217	4.221	-0.004	93	167822	10.0	7.83	
	30 Isophorone	82	4.460	4.463	-0.003	99	237719	10.0	8.63	
	32 2-Nitrophenol	139	4.540	4.540	0.000	91	66698	10.0	9.14	
	33 2,4-Dimethylphenol	122	4.626	4.629	-0.003	89	95008	10.0	7.99	
	34 Bis(2-chloroethoxy)methane	93	4.703	4.706	-0.004	97	149729	10.0	8.42	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	4.744	4.773	-0.029	87	25965	10.0	3.96	
36 2,4-Dichlorophenol	162	4.801	4.805	-0.004	95	107064	10.0	8.66	
37 1,2,4-Trichlorobenzene	180	4.869	4.872	-0.004	94	114956	10.0	8.34	
* 38 Naphthalene-d8	136	4.916	4.920	-0.004	100	305686	8.00	8.00	
39 Naphthalene	128	4.939	4.942	-0.003	99	333320	10.0	8.41	
40 4-Chloroaniline	127	5.019	5.022	-0.003	96	134583	10.0	7.83	
130 2,6-Dichlorophenol	162	5.025	5.028	-0.003	95	108206	NC	NC	
41 Hexachlorobutadiene	225	5.086	5.089	-0.003	97	69885	10.0	8.39	
42 Caprolactam	113	5.360	5.364	-0.004	88	5211	5.00	1.69	
43 4-Chloro-3-methylphenol	107	5.555	5.558	-0.003	97	94484	10.0	7.99	
44 2-Methylnaphthalene	142	5.644	5.648	-0.004	84	227240	10.0	8.35	
45 1-Methylnaphthalene	142	5.743	5.743	0.000	92	209308	10.0	8.14	
46 Hexachlorocyclopentadiene	237	5.816	5.820	-0.004	98	78143	10.0	7.46	
47 1,2,4,5-Tetrachlorobenzene	216	5.820	5.823	-0.003	98	129302	10.0	9.12	
48 2-tertbutyl-4-methylphenol	149	5.896	5.900	-0.004	90	149120	10.0	9.34	
49 2,4,6-Trichlorophenol	196	5.951	5.954	-0.003	91	84307	10.0	10.0	
50 2,4,5-Trichlorophenol	196	5.992	5.996	-0.004	98	89603	10.0	9.53	
$ 51 2-Fluorobiphenyl	172	6.027	6.031	-0.004	97	301822	10.0	10.0	
52 1,1'-Biphenyl	154	6.123	6.124	-0.001	97	286078	10.0	8.81	
53 2-Chloronaphthalene	162	6.130	6.133	-0.003	98	232490	10.0	9.01	
54 Phenyl ether	170	6.232	6.232	0.000	86	157779	10.0	9.12	
55 2-Nitroaniline	65	6.254	6.254	0.000	97	69907	10.0	7.05	
57 1,3-Dimethylnaphthalene	156	6.356	6.357	-0.001	90	173138	10.0	9.35	
60 Coumarin	146	6.446	6.446	0.000	81	85617	10.0	8.63	
59 Dimethyl phthalate	163	6.452	6.452	0.000	98	265429	10.0	9.31	
61 2,6-Dinitrotoluene	165	6.500	6.500	0.000	96	58821	10.0	9.90	
62 Acenaphthylene	152	6.538	6.542	-0.004	97	343922	10.0	9.17	
63 3-Nitroaniline	138	6.666	6.666	0.000	94	57103	10.0	8.50	
* 64 Acenaphthene-d10	164	6.682	6.686	-0.004	96	162192	8.00	8.00	
66 Acenaphthene	154	6.714	6.717	-0.003	96	208235	10.0	8.71	
65 3,5-di-tert-butyl-4-hydroxytol	205	6.740	6.740	0.000	98	205694	10.0	9.20	
67 2,4-Dinitrophenol	184	6.768	6.772	-0.004	96	68023	20.0	20.8	
70 Dibenzofuran	168	6.886	6.890	-0.004	96	331593	10.0	9.01	
68 4-Nitrophenol	65	6.890	6.893	-0.003	85	40345	20.0	7.36	
69 2,4-Dinitrotoluene	165	6.896	6.900	-0.004	92	76615	10.0	9.93	
72 2,3,4,6-Tetrachlorophenol	232	7.027	7.030	-0.003	96	73108	10.0	9.74	
73 Diethyl phthalate	149	7.151	7.155	-0.004	98	255689	10.0	9.10	
75 Fluorene	166	7.225	7.225	0.000	94	252538	10.0	9.11	
74 4-Chlorophenyl phenyl ether	204	7.238	7.241	-0.003	91	134162	10.0	9.35	
76 4-Nitroaniline	138	7.273	7.276	-0.003	90	55644	10.0	8.69	
77 4,6-Dinitro-2-methylphenol	198	7.302	7.302	0.000	88	82541	20.0	20.6	
78 N-Nitrosodiphenylamine	169	7.362	7.363	-0.001	55	185071	10.0	9.63	
79 1,2-Diphenylhydrazine	77	7.394	7.395	-0.001	99	262059	10.0	8.48	
$ 80 2,4,6-Tribromophenol	330	7.468	7.468	0.000	92	61672	10.0	11.9	
81 4-Bromophenyl phenyl ether	248	7.717	7.717	0.000	94	84251	10.0	10.3	
82 Hexachlorobenzene	284	7.774	7.775	-0.001	96	103668	10.0	10.2	
83 Atrazine	200	7.905	7.905	0.000	93	54449	5.00	8.08	E
84 Pentachlorophenol	266	7.979	7.982	-0.003	94	107397	20.0	21.3	
85 Pentachloronitrobenzene	237	7.988	7.989	0.000	90	39359	10.0	10.2	
86 n-Octadecane	57	8.094	8.094	0.000	92	182827	10.0	8.31	
* 87 Phenanthrene-d10	188	8.142	8.142	0.000	99	270198	8.00	8.00	
88 Phenanthrene	178	8.164	8.168	-0.004	98	364117	10.0	9.45	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Anthracene	178	8.215	8.215	0.000	98	376233	10.0	9.61	
90 Carbazole	167	8.387	8.391	-0.004	96	311890	10.0	9.42	
91 Di-n-butyl phthalate	149	8.758	8.761	-0.003	99	382466	10.0	9.29	
92 Fluoranthene	202	9.329	9.329	0.000	97	370352	10.0	9.98	
93 Benzidine	184	9.479	9.482	-0.003	99	173765	10.0	11.2	
94 Pyrene	202	9.546	9.546	0.000	97	376466	10.0	9.44	
95 Bisphenol-A	213	9.645	9.645	0.000	98	55807	5.00	3.77	
$ 96 Terphenyl-d14	244	9.721	9.722	-0.001	98	330421	10.0	12.2	
97 Butyl benzyl phthalate	149	10.219	10.220	-0.001	97	143049	10.0	9.31	
99 Carbamazepine	193	10.312	10.312	0.000	93	126216	10.0	10.2	
100 3,3'-Dichlorobenzidine	252	10.758	10.759	-0.001	99	137290	10.0	11.0	
101 Benzo[a]anthracene	228	10.765	10.765	0.000	99	333324	10.0	9.79	
* 102 Chrysene-d12	240	10.774	10.778	-0.004	99	205896	8.00	8.00	
104 Chrysene	228	10.803	10.804	-0.001	98	321608	10.0	9.60	
103 Bis(2-ethylhexyl) phthalate	149	10.851	10.855	-0.004	86	204193	10.0	9.20	
105 Di-n-octyl phthalate	149	11.620	11.624	-0.004	96	321660	10.0	9.13	
106 Benzo[b]fluoranthene	252	12.032	12.036	-0.004	98	313054	10.0	10.4	
107 Benzo[k]fluoranthene	252	12.067	12.068	-0.001	99	332395	10.0	10.5	
108 Benzo[a]pyrene	252	12.434	12.438	-0.004	97	274256	10.0	10.4	
* 109 Perylene-d12	264	12.508	12.511	-0.003	99	217152	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.867	13.871	-0.004	99	289381	10.0	10.0	
111 Dibenz(a,h)anthracene	278	13.902	13.906	-0.004	98	276756	10.0	9.59	
112 Benzo[g,h,i]perylene	276	14.199	14.200	-0.001	98	302974	10.0	9.41	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_LVI_00191 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Jul-2020 09:56:38 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133909.D

Injection Date: 04-Jul-2020 21:19:30 Instrument ID: CBNAMS17 Operator ID:

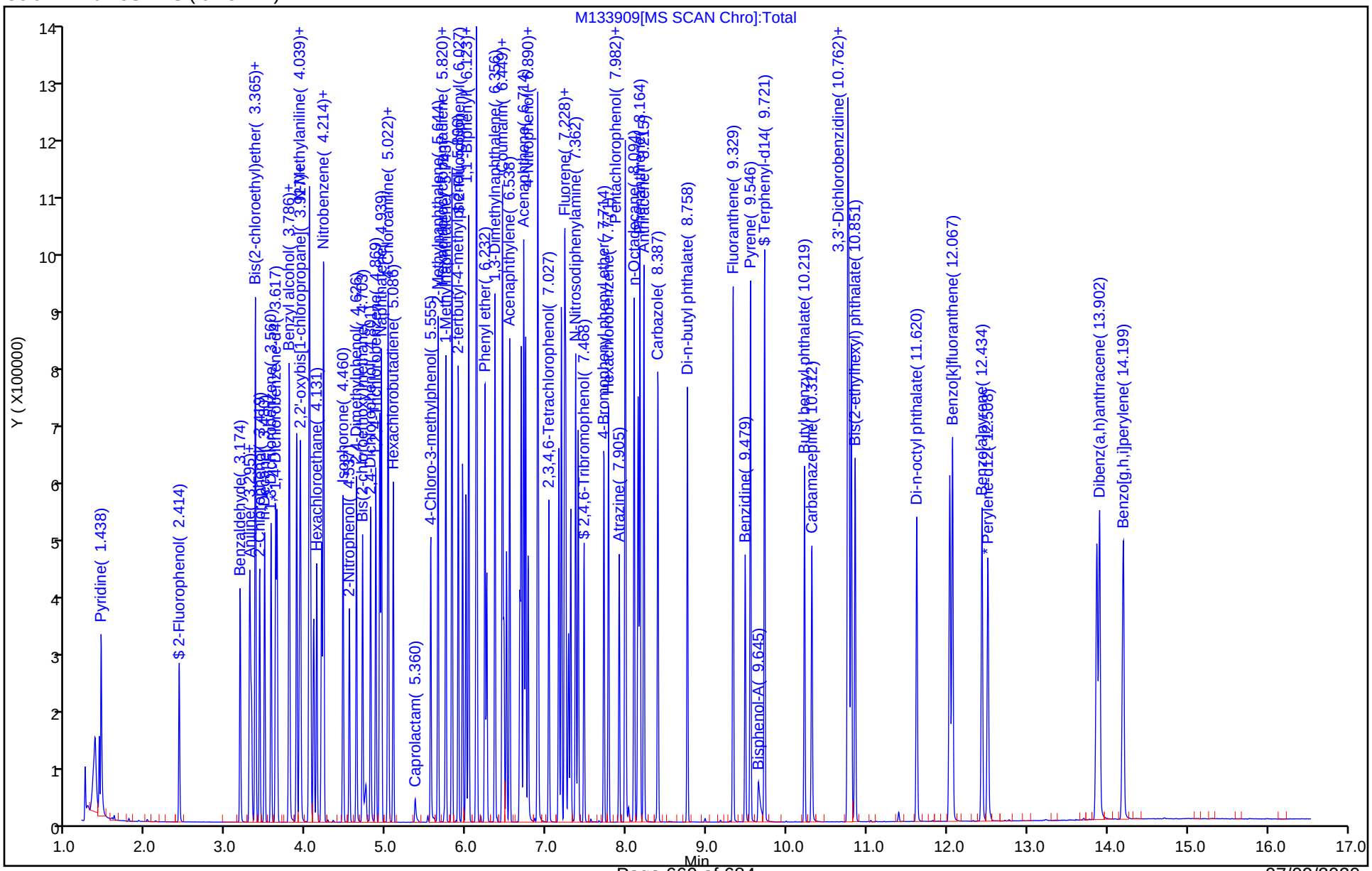
Lims ID: LCS 460-705856/2-A Worklist Smp#: 5

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270LVI_17 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-705856/3-A

Matrix: Water Lab File ID: M133910.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 21:40

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
95-94-3	1,2,4,5-Tetrachlorobenzene	78.4		10	1.2
108-60-1	2,2'-oxybis[1-chloropropane]	58.7		10	0.63
58-90-2	2,3,4,6-Tetrachlorophenol	81.4		10	0.75
95-95-4	2,4,5-Trichlorophenol	79.0		10	0.88
88-06-2	2,4,6-Trichlorophenol	83.5		10	0.86
120-83-2	2,4-Dichlorophenol	74.1		10	1.1
105-67-9	2,4-Dimethylphenol	68.0		10	0.62
51-28-5	2,4-Dinitrophenol	177		20	14
121-14-2	2,4-Dinitrotoluene	83.2		2.0	1.0
606-20-2	2,6-Dinitrotoluene	84.3		2.0	0.83
91-58-7	2-Chloronaphthalene	76.0		10	1.2
95-57-8	2-Chlorophenol	65.5		10	0.38
91-57-6	2-Methylnaphthalene	72.1		10	1.1
95-48-7	2-Methylphenol	54.3		10	0.67
88-74-4	2-Nitroaniline	59.3		10	0.47
88-75-5	2-Nitrophenol	79.1		10	0.75
91-94-1	3,3'-Dichlorobenzidine	92.2		10	1.4
99-09-2	3-Nitroaniline	71.3		10	1.9
534-52-1	4,6-Dinitro-2-methylphenol	176		20	13
101-55-3	4-Bromophenyl phenyl ether	88.4		10	0.75
59-50-7	4-Chloro-3-methylphenol	67.4		10	0.58
106-47-8	4-Chloroaniline	68.1		10	1.9
7005-72-3	4-Chlorophenyl phenyl ether	79.2		10	1.3
106-44-5	4-Methylphenol	48.7		10	0.65
100-01-6	4-Nitroaniline	73.3		10	1.2
100-02-7	4-Nitrophenol	58.7		20	4.0
83-32-9	Acenaphthene	73.9		10	1.1
208-96-8	Acenaphthylene	77.2		10	0.82
98-86-2	Acetophenone	68.1		10	2.3
120-12-7	Anthracene	81.1		10	0.63
1912-24-9	Atrazine	97.9		2.0	1.3
100-52-7	Benzaldehyde	82.5		10	2.1
56-55-3	Benzo[a]anthracene	83.5		1.0	0.59
50-32-8	Benzo[a]pyrene	88.1		1.0	0.41

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-705856/3-A

Matrix: Water Lab File ID: M133910.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 21:40

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
205-99-2	Benzo[b]fluoranthene	89.0		2.0	0.68
191-24-2	Benzo[g,h,i]perylene	81.3		10	1.4
207-08-9	Benzo[k]fluoranthene	89.0		1.0	0.67
111-91-1	Bis(2-chloroethoxy)methane	70.5		10	0.59
111-44-4	Bis(2-chloroethyl)ether	71.7		1.0	0.63
117-81-7	Bis(2-ethylhexyl) phthalate	78.9		2.0	1.7
85-68-7	Butyl benzyl phthalate	80.0		10	0.85
105-60-2	Caprolactam	21.6		10	0.68
86-74-8	Carbazole	78.5		10	0.68
218-01-9	Chrysene	82.3		2.0	0.91
53-70-3	Dibenz(a,h)anthracene	86.4		1.0	0.72
132-64-9	Dibenzofuran	76.4		10	1.1
84-66-2	Diethyl phthalate	76.0		10	0.98
131-11-3	Dimethyl phthalate	76.6		10	0.77
84-74-2	Di-n-butyl phthalate	79.0		10	0.84
117-84-0	Di-n-octyl phthalate	78.0		10	4.8
92-52-4	Diphenyl	74.7		10	1.2
206-44-0	Fluoranthene	84.9		10	0.84
86-73-7	Fluorene	76.1		10	0.91
118-74-1	Hexachlorobenzene	86.9		1.0	0.40
87-68-3	Hexachlorobutadiene	72.7		1.0	0.78
77-47-4	Hexachlorocyclopentadiene	65.2		10	3.6
67-72-1	Hexachloroethane	64.1		2.0	0.80
193-39-5	Indeno[1,2,3-cd]pyrene	86.7		2.0	0.94
78-59-1	Isophorone	73.4		10	0.80
91-20-3	Naphthalene	71.8		2.0	1.1
98-95-3	Nitrobenzene	72.8		1.0	0.57
621-64-7	N-Nitrosodi-n-propylamine	67.2		1.0	0.43
86-30-6	N-Nitrosodiphenylamine	81.6		10	0.89
87-86-5	Pentachlorophenol	178		20	1.4
85-01-8	Phenanthrene	80.0		10	0.58
108-95-2	Phenol	25.4		10	0.29
129-00-0	Pyrene	80.8		10	1.6

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Client Sample ID: Lab Sample ID: LCSD 460-705856/3-A

Matrix: Water Lab File ID: M133910.D

Analysis Method: 8270D Date Collected:

Extract. Method: 3510C Date Extracted: 07/04/2020 07:59

Sample wt/vol: 250(mL) Date Analyzed: 07/04/2020 21:40

Con. Extract Vol.: 2(mL) Dilution Factor: 1

Injection Volume: 5(uL) Level: (low/med) Low

% Moisture: GPC Cleanup:(Y/N) N

Analysis Batch No.: 705963 Units: ug/L

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol	128		36-159
321-60-8	2-Fluorobiphenyl	108		42-127
367-12-4	2-Fluorophenol	55		18-72
4165-60-0	Nitrobenzene-d5	102		46-137
4165-62-2	Phenol-d5	36		10-50
1718-51-0	Terphenyl-d14	131		39-150

Eurofins TestAmerica, Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133910.D
Lims ID: LCSD 460-705856/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 04-Jul-2020 21:40:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 5.0 ul Dil. Factor: 1.0000
Sample Info: 460-0112716-006
Operator ID: Instrument ID: CBNAMS17

Method: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\8270LVI_17.m
Limit Group: SV 8270D ICAL
Last Update: 07-Jul-2020 09:53:53 Calib Date: 20-Apr-2020 13:39:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS17\20200420-108818.b\M132035.D

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1034

First Level Reviewer: hamziy Date: 04-Jul-2020 22:06:44

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.241	1.241	0.000	97	28899	10.0	4.28	
	2 N-Nitrosodimethylamine	74	1.416	1.416	0.000	89	47846	10.0	4.87	
	3 Pyridine	79	1.438	1.438	0.000	89	125141	20.0	7.51	
$	4 2-Fluorophenol	112	2.414	2.418	-0.004	94	80152	10.0	5.49	
	5 Benzaldehyde	77	3.174	3.183	-0.009	95	139573	5.00	10.3	E
	8 Aniline	93	3.295	3.301	-0.006	100	165415	10.0	6.57	
$	6 Phenol-d5	99	3.304	3.311	-0.007	97	67789	10.0	3.64	
	7 Phenol	94	3.317	3.327	-0.010	95	68314	10.0	3.17	
	9 Bis(2-chloroethyl)ether	93	3.362	3.368	-0.006	93	134601	10.0	8.96	
	10 Benzonitrile	103	3.368	3.375	-0.007	100	270734	NC	NC	
	11 2-Chlorophenol	128	3.419	3.426	-0.007	94	122966	10.0	8.19	
	12 n-Decane	43	3.480	3.487	-0.007	91	117423	10.0	5.86	
	13 1,3-Dichlorobenzene	146	3.560	3.566	-0.006	95	143756	10.0	7.89	
*	14 1,4-Dichlorobenzene-d4	152	3.620	3.624	-0.004	96	88853	8.00	8.00	
	15 1,4-Dichlorobenzene	146	3.636	3.640	-0.004	95	147207	10.0	7.92	
	16 Benzyl alcohol	108	3.783	3.790	-0.007	92	71138	10.0	7.25	
	17 1,2-Dichlorobenzene	146	3.790	3.796	-0.006	96	143096	10.0	8.13	
	19 2,2'-oxybis[1-chloropropane]	45	3.917	3.924	-0.007	94	205700	10.0	7.34	
	18 2-Methylphenol	108	3.930	3.933	-0.003	88	97519	10.0	6.79	
	20 N-Methylaniline	106	4.035	4.039	-0.004	94	211878	10.0	8.59	
	21 Acetophenone	105	4.042	4.045	-0.003	95	202915	10.0	8.51	
	22 N-Nitrosodi-n-propylamine	70	4.055	4.058	-0.003	87	103973	10.0	8.40	
	24 4-Methylphenol	108	4.093	4.096	-0.003	95	93825	10.0	6.08	
	23 3 & 4 Methylphenol	108	4.093	4.096	-0.003	64	93916	10.0	6.08	
	25 Hexachloroethane	117	4.131	4.135	-0.004	93	55540	10.0	8.01	
$	27 Nitrobenzene-d5	82	4.192	4.195	-0.003	90	173492	10.0	10.2	
	28 Nitrobenzene	123	4.211	4.214	-0.003	93	70279	10.0	9.10	
	29 n,n'-Dimethylaniline	120	4.218	4.221	-0.003	93	195729	10.0	8.51	
	30 Isophorone	82	4.460	4.463	-0.003	99	271074	10.0	9.18	
	32 2-Nitrophenol	139	4.540	4.540	0.000	92	77304	10.0	9.88	
	33 2,4-Dimethylphenol	122	4.626	4.629	-0.003	89	108284	10.0	8.50	
	34 Bis(2-chloroethoxy)methane	93	4.703	4.706	-0.003	96	167961	10.0	8.81	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	4.747	4.773	-0.026	89	27940	10.0	3.98	
36 2,4-Dichlorophenol	162	4.802	4.805	-0.003	96	122703	10.0	9.26	
37 1,2,4-Trichlorobenzene	180	4.869	4.872	-0.003	94	131459	10.0	8.90	
* 38 Naphthalene-d8	136	4.917	4.920	-0.003	100	327655	8.00	8.00	
39 Naphthalene	128	4.939	4.942	-0.003	99	381578	10.0	8.98	
40 4-Chloroaniline	127	5.019	5.022	-0.003	96	156656	10.0	8.51	
130 2,6-Dichlorophenol	162	5.025	5.028	-0.003	97	120925	NC	NC	
41 Hexachlorobutadiene	225	5.086	5.089	-0.003	97	81082	10.0	9.09	
42 Caprolactam	113	5.360	5.364	-0.004	88	8921	5.00	2.70	
43 4-Chloro-3-methylphenol	107	5.555	5.558	-0.003	97	106817	10.0	8.43	
44 2-Methylnaphthalene	142	5.644	5.648	-0.004	84	263060	10.0	9.01	
45 1-Methylnaphthalene	142	5.743	5.743	0.000	93	242130	10.0	8.78	
46 Hexachlorocyclopentadiene	237	5.817	5.820	-0.003	98	92971	10.0	8.15	
47 1,2,4,5-Tetrachlorobenzene	216	5.820	5.823	-0.003	98	151366	10.0	9.80	
48 2-tertbutyl-4-methylphenol	149	5.900	5.900	0.000	90	169961	10.0	9.93	
49 2,4,6-Trichlorophenol	196	5.951	5.954	-0.003	91	95484	10.0	10.4	
50 2,4,5-Trichlorophenol	196	5.996	5.996	0.000	98	101121	10.0	9.88	
$ 51 2-Fluorobiphenyl	172	6.028	6.031	-0.003	97	352962	10.0	10.8	
52 1,1'-Biphenyl	154	6.123	6.124	-0.001	97	329962	10.0	9.34	
53 2-Chloronaphthalene	162	6.130	6.133	-0.003	98	266841	10.0	9.49	
54 Phenyl ether	170	6.232	6.232	0.000	87	179890	10.0	9.55	
55 2-Nitroaniline	65	6.254	6.254	0.000	98	79980	10.0	7.41	
57 1,3-Dimethylnaphthalene	156	6.357	6.357	0.000	91	202792	10.0	10.1	
60 Coumarin	146	6.446	6.446	0.000	81	96635	10.0	9.08	
59 Dimethyl phthalate	163	6.452	6.452	0.000	98	296985	10.0	9.57	
61 2,6-Dinitrotoluene	165	6.500	6.500	0.000	96	68166	10.0	10.5	
62 Acenaphthylene	152	6.539	6.542	-0.003	97	393874	10.0	9.65	
63 3-Nitroaniline	138	6.666	6.666	0.000	94	65239	10.0	8.92	
* 64 Acenaphthene-d10	164	6.682	6.686	-0.004	96	176555	8.00	8.00	
66 Acenaphthene	154	6.714	6.717	-0.003	96	240408	10.0	9.24	
65 3,5-di-tert-butyl-4-hydroxytol	205	6.740	6.740	0.000	98	236351	10.0	9.71	
67 2,4-Dinitrophenol	184	6.772	6.772	0.000	96	78905	20.0	22.1	
70 Dibenzofuran	168	6.887	6.890	-0.003	96	382699	10.0	9.55	
68 4-Nitrophenol	65	6.890	6.893	-0.003	82	43788	20.0	7.34	
69 2,4-Dinitrotoluene	165	6.896	6.900	-0.004	93	87374	10.0	10.4	
72 2,3,4,6-Tetrachlorophenol	232	7.027	7.030	-0.003	96	83115	10.0	10.2	
73 Diethyl phthalate	149	7.155	7.155	0.000	98	290611	10.0	9.50	
75 Fluorene	166	7.225	7.225	0.000	94	287058	10.0	9.51	
74 4-Chlorophenyl phenyl ether	204	7.238	7.241	-0.003	93	154588	10.0	9.90	
76 4-Nitroaniline	138	7.276	7.276	0.000	90	63855	10.0	9.16	
77 4,6-Dinitro-2-methylphenol	198	7.302	7.302	0.000	88	95515	20.0	22.0	
78 N-Nitrosodiphenylamine	169	7.363	7.363	0.000	55	212326	10.0	10.2	
79 1,2-Diphenylhydrazine	77	7.395	7.395	0.000	100	298221	10.0	8.91	
$ 80 2,4,6-Tribromophenol	330	7.468	7.468	0.000	92	72188	10.0	12.8	
81 4-Bromophenyl phenyl ether	248	7.717	7.717	0.000	94	97541	10.0	11.1	
82 Hexachlorobenzene	284	7.775	7.775	0.000	96	119104	10.0	10.9	
83 Atrazine	200	7.909	7.905	0.004	93	89307	5.00	12.2	E
84 Pentachlorophenol	266	7.982	7.982	0.000	95	121491	20.0	22.2	
85 Pentachloronitrobenzene	237	7.989	7.989	0.001	91	44704	10.0	10.7	
86 n-Octadecane	57	8.094	8.094	0.000	92	209495	10.0	8.78	
* 87 Phenanthrene-d10	188	8.142	8.142	0.000	99	292776	8.00	8.00	
88 Phenanthrene	178	8.165	8.168	-0.003	98	417477	10.0	10.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Anthracene	178	8.216	8.215	0.001	98	430136	10.0	10.1	
90 Carbazole	167	8.391	8.391	0.000	96	352139	10.0	9.81	
91 Di-n-butyl phthalate	149	8.758	8.761	-0.003	99	440511	10.0	9.87	
92 Fluoranthene	202	9.329	9.329	0.000	97	426938	10.0	10.6	
93 Benzidine	184	9.479	9.482	-0.003	99	188119	10.0	11.2	
94 Pyrene	202	9.546	9.546	0.000	97	438039	10.0	10.1	
95 Bisphenol-A	213	9.648	9.645	0.003	98	64419	5.00	4.00	
$ 96 Terphenyl-d14	244	9.722	9.722	0.000	98	387185	10.0	13.1	
97 Butyl benzyl phthalate	149	10.220	10.220	0.000	97	167086	10.0	10.0	
99 Carbamazepine	193	10.312	10.312	0.000	93	146696	10.0	11.0	
100 3,3'-Dichlorobenzidine	252	10.759	10.759	0.000	99	155838	10.0	11.5	
101 Benzo[a]anthracene	228	10.762	10.765	-0.003	99	386462	10.0	10.4	
* 102 Chrysene-d12	240	10.775	10.778	-0.003	99	223910	8.00	8.00	
104 Chrysene	228	10.804	10.804	0.000	98	374503	10.0	10.3	
103 Bis(2-ethylhexyl) phthalate	149	10.852	10.855	-0.003	86	237821	10.0	9.86	
105 Di-n-octyl phthalate	149	11.621	11.624	-0.003	96	373952	10.0	9.75	
106 Benzo[b]fluoranthene	252	12.033	12.036	-0.003	98	364637	10.0	11.1	
107 Benzo[k]fluoranthene	252	12.068	12.068	0.000	99	384917	10.0	11.1	
108 Benzo[a]pyrene	252	12.435	12.438	-0.003	97	317566	10.0	11.0	
* 109 Perylene-d12	264	12.509	12.511	-0.003	99	236327	8.00	8.00	
110 Indeno[1,2,3-cd]pyrene	276	13.868	13.871	-0.003	99	340123	10.0	10.8	
111 Dibenz(a,h)anthracene	278	13.903	13.906	-0.003	98	339072	10.0	10.8	
112 Benzo[g,h,i]perylene	276	14.197	14.200	-0.003	98	356114	10.0	10.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

E - Exceeded Maximum Amount

Reagents:

SM_ISTD_LVI_00191 Amount Added: 20.00 Units: uL Run Reagent

Report Date: 07-Jul-2020 09:57:48 Chrom Revision: 2.3 21-Jun-2020 18:30:46

Eurofins TestAmerica, Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS17\20200704-112716.b\M133910.D

Injection Date: 04-Jul-2020 21:40:30 Instrument ID: CBNAMS17 Operator ID:

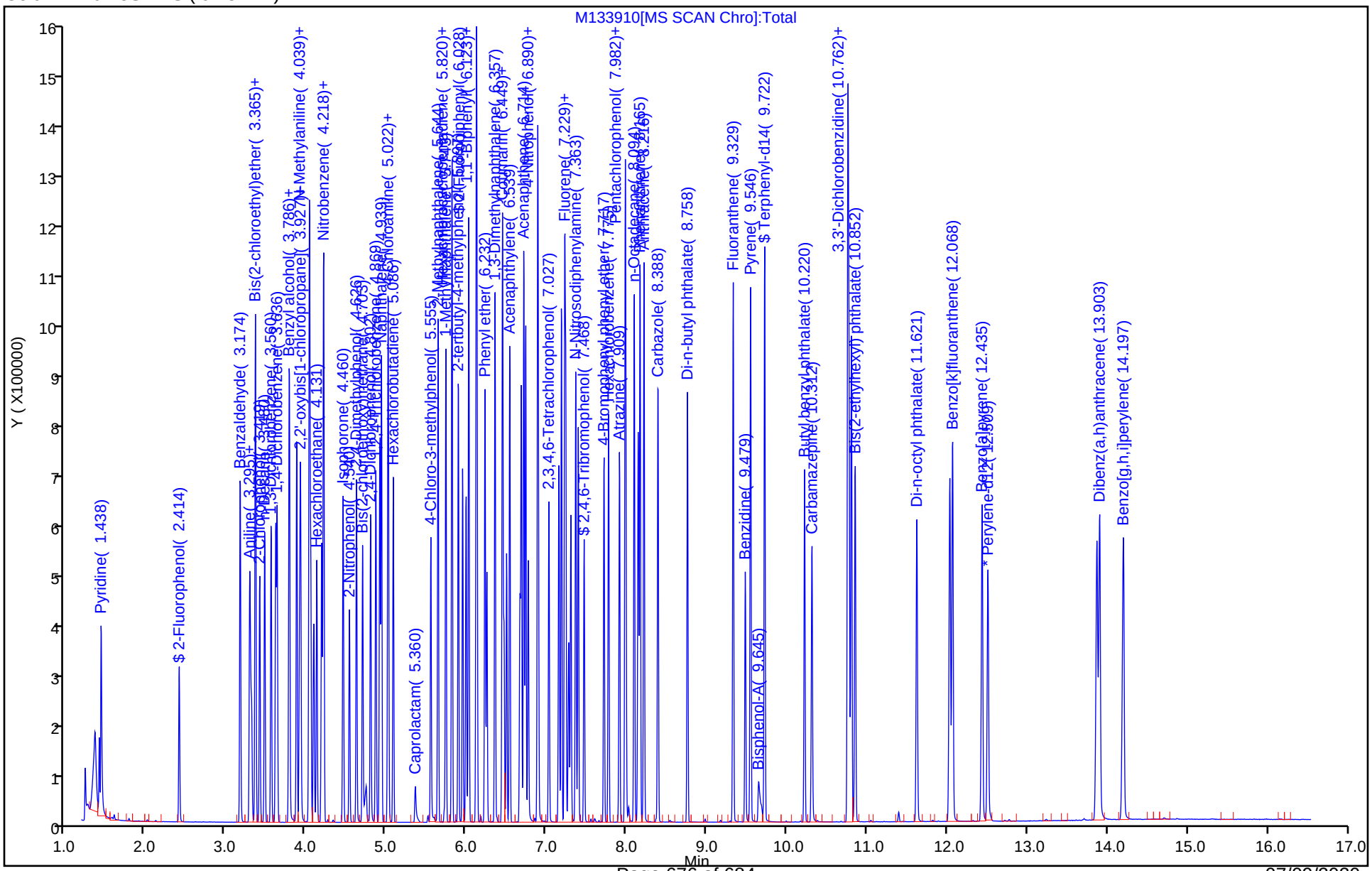
Lims ID: LCSD 460-705856/3-A Worklist Smp#: 6

Client ID:

Injection Vol: 5.0 ul Dil. Factor: 1.0000 ALS Bottle#: 6

Method: 8270LVI_17 Limit Group: SV 8270D ICAL

Column: Rtxi-5Sil MS (0.25 mm)



GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Instrument ID: CBNAMS17 Start Date: 04/20/2020 10:56

Analysis Batch Number: 688773 End Date: 04/20/2020 14:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-688773/1		04/20/2020 10:56	1	M132027.D	Rtxi-5Sil MS 0.25(mm)
ICIS 460-688773/2		04/20/2020 11:12	1	M132028.D	Rtxi-5Sil MS 0.25(mm)
STD24 460-688773/3 IC		04/20/2020 11:33	1	M132029.D	Rtxi-5Sil MS 0.25(mm)
STD16 460-688773/4 IC		04/20/2020 11:54	1	M132030.D	Rtxi-5Sil MS 0.25(mm)
STD4 460-688773/5 IC		04/20/2020 12:16	1	M132031.D	Rtxi-5Sil MS 0.25(mm)
STD2 460-688773/6 IC		04/20/2020 12:37	1	M132032.D	Rtxi-5Sil MS 0.25(mm)
STD1 460-688773/7 IC		04/20/2020 12:58	1	M132033.D	Rtxi-5Sil MS 0.25(mm)
STD02 460-688773/8 IC		04/20/2020 13:19	1	M132034.D	Rtxi-5Sil MS 0.25(mm)
STD01 460-688773/9 IC		04/20/2020 13:39	1	M132035.D	Rtxi-5Sil MS 0.25(mm)
ICV 460-688773/10		04/20/2020 14:00	1		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Instrument ID: CBNAMS17 Start Date: 07/04/2020 19:52

Analysis Batch Number: 705963 End Date: 07/05/2020 05:40

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-705963/1		07/04/2020 19:52	1	M133905.D	Rtxi-5Sil MS 0.25(mm)
CCVIS 460-705963/2		07/04/2020 20:14	1	M133906.D	Rtxi-5Sil MS 0.25(mm)
MB 460-705856/1-A		07/04/2020 20:58	1	M133908.D	Rtxi-5Sil MS 0.25(mm)
LCS 460-705856/2-A		07/04/2020 21:19	1	M133909.D	Rtxi-5Sil MS 0.25(mm)
LCSD 460-705856/3-A		07/04/2020 21:40	1	M133910.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/04/2020 22:01	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/04/2020 22:22	1		Rtxi-5Sil MS 0.25(mm)
460-212426-1		07/04/2020 22:42	1	M133913.D	Rtxi-5Sil MS 0.25(mm)
460-212426-2		07/04/2020 23:03	1	M133914.D	Rtxi-5Sil MS 0.25(mm)
460-212426-3		07/04/2020 23:24	1	M133915.D	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/04/2020 23:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 00:06	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 00:27	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 00:48	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 01:08	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 01:29	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 01:50	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 02:11	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 02:32	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 02:53	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 03:14	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 03:34	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 03:55	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 04:16	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 04:37	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 04:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/05/2020 05:40	10		Rtxi-5Sil MS 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Batch Number: 705856 Batch Start Date: 07/04/20 07:59 Batch Analyst: Dekkar, Djedjiga X

Batch Method: 3510C Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Basis	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH	SecondAdjustpH	OP_Benzald_sp 00011
MB 460-705856/1		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	
LCS 460-705856/2		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
LCSD 460-705856/3		3510C, 8270D		250 mL	2 mL	7 SU	<2 SU	>12 SU	5 uL
460-212426-D-1	MW-2A	3510C, 8270D	T	250 mL	2 mL	6 SU	<2 SU	>12 SU	
460-212426-D-2	MW-7A	3510C, 8270D	T	250 mL	2 mL	6 SU	<2 SU	>12 SU	
460-212426-E-3	Dup	3510C, 8270D	T	250 mL	2 mL	6 SU	<2 SU	>12 SU	

Lab Sample ID	Client Sample ID	Method Chain	Basis	OP_BNA SPIK 00033	OP_BNASurroga 00018	AnalysisComment			
MB 460-705856/1		3510C, 8270D			200 uL				
LCS 460-705856/2		3510C, 8270D		200 uL	200 uL				
LCSD 460-705856/3		3510C, 8270D		200 uL	200 uL				
460-212426-D-1	MW-2A	3510C, 8270D	T		200 uL	Bad Matrix			
460-212426-D-2	MW-7A	3510C, 8270D	T		200 uL				
460-212426-E-3	Dup	3510C, 8270D	T		200 uL	Bad Matrix			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins TestAmerica, Edison Job No.: 460-212426-1

SDG No.:

Batch Number: 705856 Batch Start Date: 07/04/20 07:59 Batch Analyst: Dekkar, Djedjiga X

Batch Method: 3510C Batch End Date:

Batch Notes	
Acid Used for pH Adjustment ID	186983
Base Used to Adjust pH ID	OP2964
Batch Comment	3510C_LVI / BNA Water
Analyst ID - Concentration	dD
Concentration 1 Corrected Temperature	37 Degrees C
Equipment ID - Concentration 1	31869
Analyst ID - Extraction	dD
Method/Fraction	3510C_LVI / BNA Water
Na2SO4 ID	195259
pH Indicator ID	HC-991818
Prep Solvent ID	Dichloromethane: 258828
Prep Solvent Volume Used	90 mL
Analyst ID - Spike Analyst	dD
Analyst ID - Spike Witness Analyst	dD
Sufficient Volume for Batch QC	Yes
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	37 Degrees C
Vial Lot Number	1917911362

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

Chain of Custody Record 451036

eurofins | Environment Testing TestAmerica

Address: 3 Westerly rd, Ossining, NY

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☒ Other: NY Cat B

TAL-8210

Client Contact	Project Manager: Joe Scandino	Site Contact: Jon Stuart	Date: 6/30/20	COC No:
Company Name: Sesi	Tel/Email: JS@sesi.org	Lab Contact: Omayra Pinas	Carrier:	1 of 1 COCs
Address: 12a Maple ave	Analysis Turnaround Time			Sampler: Jon Stuart
City/State/Zip: Pine Brook, NJ	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 973 808 9050	TAT if different from Below			Walk-in Client:
Fax:	☐ 2 weeks ☒ 1 week ☐ 2 days ☐ 1 day — Standard			Lab Sampling:
Project Name: Harbor Square, Ossining				Job / SDG No.: 212426
Site:				
PO# 7173 phase 9				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TCL VOCs	TCL SVOCs	Sample Specific Notes:
MW-2A	6/30/20	1010	G	GW	5	N	N	X	X	1
MW-7A		1135								2
DUP										3
TB	6/29/20			DI	2					4

5-Day RUSH

460-212426 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: Compare to NY TOGS, Typical Lab MS, MSD

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:

	Company	Date/Time		Company	Date/Time
Relinquished by:	Sesi	7/1/20	Received by:	Eurofins	7/1/20 1515
Relinquished by:	Eurofins	7/1/20 1610	Received by:	TA601	7/1/20 1610
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

4.1° IR#11

07/09/2020

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 212426

Number of Coolers: 1 IR Gun # 11

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	4.1 °C	4.1 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or QAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other

If pH adjustments are required record the information below:

Sample No(s). adjusted: _____

Preservative Name/Conc.: _____ Volume of Preservative used (ml): _____

Lot # of Preservative(s): _____ Expiration Date: _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

** Samples for Metal analysis which are out of compliance must be acidified at least 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: K.C Date: 7/1/20

Login Sample Receipt Checklist

Client: SESI Consulting Engineers

Job Number: 460-212426-1

Login Number: 212426
List Number: 1
Creator: Callahan, April R

List Source: Eurofins TestAmerica, Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APL
AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 1061422

Sesi Consulting Engineers

Project: Ossining, NY

Brian Wood
Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or State specific certifications as applicable.

Report Date: Jul 07, 2021

1275 Bloomfield Ave., Bldg. 6, Fairfield, New Jersey 07004
(t) 973.227.0422 (f) 973.227.2813 (w) www.aquaprotechlabs.com

NELAC National Environmental Laboratory Accreditation Conference
NJDEP #07010 / NYDOH #11634

Analytical Results Summary

Ossining, NY

Client: Sesi Consulting Engineers **Contact:** Accounts Payable

APL Order ID: 1061422 **Received:** 06/28/21 16:25

1061422-01 (Ground Water) MW-2A Collected: 06/28/21 09:55

BNA+25 Semivolatile Organics - GC/MS

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2,3,4,6-Tetrachlorophenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.210	2.00	ug/L
2,4,5-Trichlorophenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0438	2.00	ug/L
2,4,6-Trichlorophenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.137	2.00	ug/L
2,4-Dichlorophenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.152	2.00	ug/L
2,4-Dimethylphenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.179	2.00	ug/L
2,4-Dinitrophenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.326	5.00	ug/L
2,4-Dinitrotoluene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.108	2.00	ug/L
2,6-Dinitrotoluene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.143	2.00	ug/L
2-Chloronaphthalene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.122	2.00	ug/L
2-Chlorophenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.111	2.00	ug/L
2-Methylnaphthalene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.103	3.00	ug/L
2-Methylphenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.155	2.00	ug/L
2-Nitroaniline	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.101	2.00	ug/L
2-Nitrophenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.162	2.00	ug/L
3,3'-Dichlorobenzidine	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.110	2.00	ug/L
3+4-Methylphenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.122	2.00	ug/L
3-Nitroaniline	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.134	2.00	ug/L
4,6-Dinitro-2-methylphenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0793	2.00	ug/L
4-Bromophenyl-phenyl ether	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.191	2.00	ug/L
4-Chloro-3-methylphenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.141	2.00	ug/L
4-Chloroaniline	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.162	2.00	ug/L
4-Chlorophenyl phenyl ether	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.136	2.00	ug/L
4-Nitroaniline	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0868	2.00	ug/L
4-Nitrophenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.168	2.00	ug/L
Acenaphthene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.100	2.00	ug/L
Acenaphthylene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.140	2.00	ug/L
Acetophenone	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.170	2.00	ug/L
Anthracene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.121	2.00	ug/L
Atrazine	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0861	2.00	ug/L
Benzaldehyde	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.134	2.00	ug/L
Benzo(g,h,i)perylene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0652	2.00	ug/L
Biphenyl	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.106	2.00	ug/L
bis(2-chloroethoxy)methane	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.112	2.00	ug/L
bis(2-chloroethyl)ether	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.121	2.00	ug/L
bis(2-chloroisopropyl)ether	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.132	2.00	ug/L
bis(2-ethylhexyl)phthalate	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.183	2.00	ug/L
Butylbenzylphthalate	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.190	2.00	ug/L
Caprolactam	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.193	2.00	ug/L

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

Ossining, NY

Client: Sesi Consulting Engineers **Contact:** Accounts Payable

APL Order ID: 1061422 **Received:** 06/28/21 16:25

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
1061422-01 (Ground Water)	MW-2A			Collected: 06/28/21 09:55				
BNA+25 Semivolatile Organics - GC/MS								
Carbazole	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.188	2.00	ug/L
Chrysene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.129	2.00	ug/L
Dibenzofuran	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.120	2.00	ug/L
Diethylphthalate	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.123	2.00	ug/L
Dimethylphthalate	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.388	2.00	ug/L
Di-n-butylphthalate	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.131	2.00	ug/L
Di-n-octylphthalate	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.139	2.00	ug/L
Fluoranthene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.129	2.00	ug/L
Fluorene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.109	2.00	ug/L
Hexachlorocyclopentadiene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.205	2.00	ug/L
Hexachloroethane	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.111	2.00	ug/L
Isophorone	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.111	2.00	ug/L
Naphthalene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0607	2.00	ug/L
Nitrobenzene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.146	2.00	ug/L
n-Nitroso-di-n-propylamine	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.130	2.00	ug/L
n-Nitrosodiphenylamine	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0626	2.00	ug/L
Phenanthrene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0725	2.00	ug/L
Phenol	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.0973	2.00	ug/L
Pyrene	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	ND	U	0.115	2.00	ug/L
BNA+25 Semivolatile Organics - GC/MS TIC								
Indane	SW 846 8270E	07/01/21 09:22	07/03/21 03:38	**5.94**	**J**			**ug/L**
1061422-01 (Ground Water)	MW-2A			Collected: 06/28/21 09:55				
BNA-SIM Semivolatile Organics - GC/MS - SIM								
Benzo(a)anthracene	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00820	0.0200	ug/L
Benzo(a)pyrene	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00540	0.0200	ug/L
Benzo(b)fluoranthene	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00920	0.0200	ug/L
Benzo(k)fluoranthene	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00770	0.0200	ug/L
Dibenzo(a,h)anthracene	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00430	0.0200	ug/L
Hexachlorobenzene	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00620	0.0100	ug/L
Hexachlorobutadiene	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00990	0.0200	ug/L
Indeno(1,2,3-cd)pyrene	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00470	0.0200	ug/L
n-Nitroso-dimethylamine	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00960	0.0200	ug/L
Pentachlorophenol	SW 846 8270E	07/01/21 09:25	07/03/21 00:25	ND	U	0.00890	0.0200	ug/L
1061422-01 (Ground Water)	MW-2A			Collected: 06/28/21 09:55				
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.216	1.00	ug/L

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value
B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation

Analytical Results Summary

Ossining, NY

Client: Sesi Consulting Engineers **Contact:** Accounts Payable

APL Order ID: 1061422 **Received:** 06/28/21 16:25

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
1061422-01 (Ground Water)	MW-2A			Collected: 06/28/21 09:55				
VO+15 Volatile Organics - GC/MS								
1,1,2,2-Tetrachloroethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.218	1.00	ug/L
1,1,2-Trichloro-1,2,2 Trifluoroethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.546	1.00	ug/L
1,1,2-Trichloroethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.476	1.00	ug/L
1,1-Dichloroethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.393	1.00	ug/L
1,1-Dichloroethene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.149	1.00	ug/L
1,2,3-Trichlorobenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.488	1.00	ug/L
1,2,4-Trichlorobenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.437	1.00	ug/L
1,2,4-Trimethylbenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.155	1.00	ug/L
1,2-Dibromo-3-chloropropane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	1.09	2.00	ug/L
1,2-Dibromoethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.320	1.00	ug/L
1,2-Dichlorobenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.210	1.00	ug/L
1,2-Dichloroethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.306	1.00	ug/L
1,2-Dichloropropane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.267	1.00	ug/L
1,3-Dichlorobenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.287	1.00	ug/L
1,4-Dichlorobenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.238	1.00	ug/L
2-Butanone	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.870	2.00	ug/L
2-Hexanone	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.635	2.00	ug/L
4-Methyl-2-pentanone	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.638	2.00	ug/L
Acetone	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	**65.8**		**0.419**	**10.0**	**ug/L**
Benzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.129	1.00	ug/L
Bromochloromethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.307	1.00	ug/L
Bromodichloromethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.258	1.00	ug/L
Bromoform	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.421	1.00	ug/L
Bromomethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.702	2.00	ug/L
Carbon disulfide	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.477	1.00	ug/L
Carbon Tetrachloride	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.372	1.00	ug/L
Chlorobenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.300	1.00	ug/L
Chlorodibromomethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.504	1.00	ug/L
Chloroethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.299	2.00	ug/L
Chloroform	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.365	1.00	ug/L
Chloromethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.758	1.00	ug/L
cis-1,2-Dichloroethene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.352	1.00	ug/L
cis-1,3-Dichloropropene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.294	1.00	ug/L
Cyclohexane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.298	1.00	ug/L
Dichlorodifluoromethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.328	2.00	ug/L
EthylBenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.244	1.00	ug/L
Isopropylbenzene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	**0.596**	**J**	**0.275**	**1.00**	**ug/L**

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
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B - Indicates compound found in associated blank
E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
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Analytical Results Summary

Ossining, NY

Client: Sesi Consulting Engineers **Contact:** Accounts Payable

APL Order ID: 1061422 **Received:** 06/28/21 16:25

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
1061422-01 (Ground Water)	MW-2A			Collected: 06/28/21 09:55				
VO+15 Volatile Organics - GC/MS								
m+p-Xylenes	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.461	2.00	ug/L
Methyl Acetate	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.373	1.00	ug/L
Methyl tert-Butyl Ether	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.596	1.00	ug/L
Methylcyclohexane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.222	1.00	ug/L
Methylene Chloride	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.681	1.00	ug/L
o-Xylene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.244	1.00	ug/L
Styrene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.176	1.00	ug/L
tert-Butyl alcohol	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	8.17	10.0	ug/L
Tetrachloroethene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.466	1.00	ug/L
Toluene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.205	1.00	ug/L
Total Xylenes	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.244	1.00	ug/L
trans-1,2-Dichloroethene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.241	1.00	ug/L
trans-1,3-Dichloropropene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.279	1.00	ug/L
Trichloroethene	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.146	1.00	ug/L
Trichlorofluoromethane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.413	1.00	ug/L
Vinyl chloride	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	ND	U	0.157	1.00	ug/L
VO+15 Volatile Organics - GC/MS TIC								
Indane	SW 846 8260D	07/03/21 02:47	07/03/21 02:47	**7.69**	**J**			**ug/L**
1061422-02 (Ground Water)	MW-7A			Collected: 06/28/21 11:53				
BNA+25 Semivolatile Organics - GC/MS								
2,3,4,6-Tetrachlorophenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.210	2.00	ug/L
2,4,5-Trichlorophenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.0438	2.00	ug/L
2,4,6-Trichlorophenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.137	2.00	ug/L
2,4-Dichlorophenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.152	2.00	ug/L
2,4-Dimethylphenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.179	2.00	ug/L
2,4-Dinitrophenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.326	5.00	ug/L
2,4-Dinitrotoluene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.108	2.00	ug/L
2,6-Dinitrotoluene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.143	2.00	ug/L
2-Chloronaphthalene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.122	2.00	ug/L
2-Chlorophenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.111	2.00	ug/L
2-Methylnaphthalene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.103	3.00	ug/L
2-Methylphenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.155	2.00	ug/L
2-Nitroaniline	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.101	2.00	ug/L
2-Nitrophenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.162	2.00	ug/L
3,3'-Dichlorobenzidine	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.110	2.00	ug/L
3+4-Methylphenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.122	2.00	ug/L

FootNotes

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D - Indicates result is based on a dilution
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Analytical Results Summary

Ossining, NY

Client: Sesi Consulting Engineers **Contact:** Accounts Payable

APL Order ID: 1061422 **Received:** 06/28/21 16:25

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
1061422-02 (Ground Water)	MW-7A			Collected: 06/28/21 11:53				
BNA+25 Semivolatile Organics - GC/MS								
3-Nitroaniline	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.134	2.00	ug/L
4,6-Dinitro-2-methylphenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.0793	2.00	ug/L
4-Bromophenyl-phenyl ether	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.191	2.00	ug/L
4-Chloro-3-methylphenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.141	2.00	ug/L
4-Chloroaniline	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.162	2.00	ug/L
4-Chlorophenyl phenyl ether	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.136	2.00	ug/L
4-Nitroaniline	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.0868	2.00	ug/L
4-Nitrophenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.168	2.00	ug/L
Acenaphthene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	**35.2**		**0.100**	**2.00**	**ug/L**
Acenaphthylene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.140	2.00	ug/L
Acetophenone	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.170	2.00	ug/L
Anthracene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	**6.39**		**0.121**	**2.00**	**ug/L**
Atrazine	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.0861	2.00	ug/L
Benzaldehyde	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.134	2.00	ug/L
Benzo(g,h,i)perylene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.0652	2.00	ug/L
Biphenyl	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.106	2.00	ug/L
bis(2-chloroethoxy)methane	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.112	2.00	ug/L
bis(2-chloroethyl)ether	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.121	2.00	ug/L
bis(2-chloroisopropyl)ether	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.132	2.00	ug/L
bis(2-ethylhexyl)phthalate	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.183	2.00	ug/L
Butylbenzylphthalate	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.190	2.00	ug/L
Caprolactam	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.193	2.00	ug/L
Carbazole	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.188	2.00	ug/L
Chrysene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.129	2.00	ug/L
Dibenzofuran	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	**8.53**		**0.120**	**2.00**	**ug/L**
Diethylphthalate	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.123	2.00	ug/L
Dimethylphthalate	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.388	2.00	ug/L
Di-n-butylphthalate	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.131	2.00	ug/L
Di-n-octylphthalate	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.139	2.00	ug/L
Fluoranthene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	**5.90**		**0.129**	**2.00**	**ug/L**
Fluorene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	**18.3**		**0.109**	**2.00**	**ug/L**
Hexachlorocyclopentadiene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.205	2.00	ug/L
Hexachloroethane	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.111	2.00	ug/L
Isophorone	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.111	2.00	ug/L
Naphthalene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.0607	2.00	ug/L
Nitrobenzene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.146	2.00	ug/L
n-Nitroso-di-n-propylamine	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.130	2.00	ug/L
n-Nitrosodiphenylamine	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.0626	2.00	ug/L
Phenanthrene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	**30.8**		**0.0725**	**2.00**	**ug/L**

FootNotes

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Analytical Results Summary

Ossining, NY

Client: Sesi Consulting Engineers **Contact:** Accounts Payable

APL Order ID: 1061422 **Received:** 06/28/21 16:25

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
1061422-02 (Ground Water)	MW-7A			Collected: 06/28/21 11:53				
BNA+25 Semivolatile Organics - GC/MS								
Phenol	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	ND	U	0.0973	2.00	ug/L
Pyrene	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	**4.37**		**0.115**	**2.00**	**ug/L**
BNA+25 Semivolatile Organics - GC/MS TIC								
Naphthalene, -dimethyl-isomer	SW 846 8270E	07/01/21 09:22	07/06/21 18:23	**5.43**	**J**			**ug/L**
1061422-02 (Ground Water)	MW-7A			Collected: 06/28/21 11:53				
BNA-SIM Semivolatile Organics - GC/MS - SIM								
Benzo(a)anthracene	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	**0.156**		**0.00820**	**0.0200**	**ug/L**
Benzo(a)pyrene	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	**0.0195**	**J**	**0.00540**	**0.0200**	**ug/L**
Benzo(b)fluoranthene	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	**0.0246**		**0.00920**	**0.0200**	**ug/L**
Benzo(k)fluoranthene	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	ND	U	0.00770	0.0200	ug/L
Dibenzo(a,h)anthracene	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	ND	U	0.00430	0.0200	ug/L
Hexachlorobenzene	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	ND	U	0.00620	0.0100	ug/L
Hexachlorobutadiene	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	ND	U	0.00990	0.0200	ug/L
Indeno(1,2,3-cd)pyrene	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	ND	U	0.00470	0.0200	ug/L
n-Nitroso-dimethylamine	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	ND	U	0.00960	0.0200	ug/L
Pentachlorophenol	SW 846 8270E	07/01/21 09:25	07/03/21 00:53	ND	U	0.00890	0.0200	ug/L
1061422-02 (Ground Water)	MW-7A			Collected: 06/28/21 11:53				
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.216	1.00	ug/L
1,1,2,2-Tetrachloroethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.218	1.00	ug/L
1,1,2-Trichloro-1,2,2 Trifluoroethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.546	1.00	ug/L
1,1,2-Trichloroethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.476	1.00	ug/L
1,1-Dichloroethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.393	1.00	ug/L
1,1-Dichloroethene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.149	1.00	ug/L
1,2,3-Trichlorobenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.488	1.00	ug/L
1,2,4-Trichlorobenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.437	1.00	ug/L
1,2,4-Trimethylbenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.155	1.00	ug/L
1,2-Dibromo-3-chloropropane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	1.09	2.00	ug/L
1,2-Dibromoethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.320	1.00	ug/L
1,2-Dichlorobenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.210	1.00	ug/L
1,2-Dichloroethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.306	1.00	ug/L
1,2-Dichloropropane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.267	1.00	ug/L
1,3-Dichlorobenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.287	1.00	ug/L
1,4-Dichlorobenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.238	1.00	ug/L

FootNotes

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Analytical Results Summary

Ossining, NY

Client: Sesi Consulting Engineers **Contact:** Accounts Payable

APL Order ID: 1061422 **Received:** 06/28/21 16:25

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
1061422-02 (Ground Water)	MW-7A			Collected: 06/28/21 11:53				
VO+15 Volatile Organics - GC/MS								
2-Butanone	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.870	2.00	ug/L
2-Hexanone	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.635	2.00	ug/L
4-Methyl-2-pentanone	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.638	2.00	ug/L
Acetone	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.419	10.0	ug/L
Benzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.129	1.00	ug/L
Bromochloromethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.307	1.00	ug/L
Bromodichloromethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.258	1.00	ug/L
Bromoform	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.421	1.00	ug/L
Bromomethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.702	2.00	ug/L
Carbon disulfide	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.477	1.00	ug/L
Carbon Tetrachloride	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.372	1.00	ug/L
Chlorobenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.300	1.00	ug/L
Chlorodibromomethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.504	1.00	ug/L
Chloroethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.299	2.00	ug/L
Chloroform	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.365	1.00	ug/L
Chloromethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.758	1.00	ug/L
cis-1,2-Dichloroethene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.352	1.00	ug/L
cis-1,3-Dichloropropene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.294	1.00	ug/L
Cyclohexane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.298	1.00	ug/L
Dichlorodifluoromethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.328	2.00	ug/L
EthylBenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.244	1.00	ug/L
Isopropylbenzene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.275	1.00	ug/L
m+p-Xylenes	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.461	2.00	ug/L
Methyl Acetate	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.373	1.00	ug/L
Methyl tert-Butyl Ether	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	**0.598**	**J**	**0.596**	**1.00**	**ug/L**
Methylcyclohexane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.222	1.00	ug/L
Methylene Chloride	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.681	1.00	ug/L
o-Xylene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.244	1.00	ug/L
Styrene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.176	1.00	ug/L
tert-Butyl alcohol	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	8.17	10.0	ug/L
Tetrachloroethene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.466	1.00	ug/L
Toluene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.205	1.00	ug/L
Total Xylenes	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.244	1.00	ug/L
trans-1,2-Dichloroethene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.241	1.00	ug/L
trans-1,3-Dichloropropene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.279	1.00	ug/L
Trichloroethene	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.146	1.00	ug/L
Trichlorofluoromethane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.413	1.00	ug/L
Vinyl chloride	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	ND	U	0.157	1.00	ug/L

FootNotes

RL - Reporting limit
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Analytical Results Summary

Ossining, NY

Client:	**Sesi Consulting Engineers**	**Contact:**	**Accounts Payable**
APL Order ID:	**1061422**	**Received:**	06/28/21 16:25

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
1061422-02 (Ground Water)	MW-7A			Collected:	06/28/21 11:53			
VO+15 Volatile Organics - GC/MS TIC								
Indane	SW 846 8260D	07/03/21 03:13	07/03/21 03:13	**3.37**	**J**			**ug/L**

FootNotes

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H - Indicates a Hold Time violation

APL 1061422
AQUA PRO-TECH LABORATORIES
FAIRFIELD, NEW JERSEY 07004
TEL: 973.227.0422
FAX: 973.227.2813

CHAIN OF CUSTODY

CLIENT: SESI	SEND REPORT TO:
ADDRESS: 42 12A MAPLE AVE	ADDRESS:
PINE BROOK, NJ	
PHONE: 973-808-9050	PHONE:
E-MAIL: SCS@sesi.org	FAX:
PROJECT NAME: OSSINING, NY	SEND INVOICE TO:
PROJECT MGR: JON STUART	ADDRESS:
PROJECT or PO #: 7173 PHASE 10	SAMPLED BY: CHRIS M

CONTAMINATION LEVEL
☐ HIGH ☐ MEDIUM ☐ LOW

TURN-AROUND TIME
- ☐ APL STANDARD 2 weeks
- ☐ RUSH (choose one below)
  - ☐ 24 hr. date & time required
  - ☐ 48 hr. date & time required
  - ☐ 72 hr. date & time required
- ☒ 1 week

REPORT FORMAT
- ☒ RESULTS ONLY
- ☐ NJ DEP REDUCED
- ☐ NJ DEP FULL
- ☐ STATE FORMS/E2 REPORTING

PWSID#

ELECTRONIC FORMAT
- ☒ EMAIL DELIVERY
- ☐ HAZSITE EDD
- ☒ EXCEL

SRP#

MATRIX ABBREVIATIONS: D - DRINKING WATER G - GROUNDWATER W - WASTEWATER S - SOIL SL - SLUDGE C - CONCRETE L - LAKE

APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type: GRAB	Sample Type: COMP	MATRIX	No. of Bottles	Preservative	Analysis Requested
1061422-01	MW-2A	6-28-21	9:55	X		G	3+4	HCl/N/A	VO+15, ~~BN+15~~ BNA+20
02	MW-7A	6-28-21	11:53	X		G	4	HCl/N/A	VO+15, ~~BN+15~~ BNA+20

RELINQUISHED BY (Print) CHRIS MANCINI	DATE 06-28-21	RECEIVED BY (Print)	
Signature	Time 1622	*Signature*	
RELINQUISHED BY (Print)	DATE	RECEIVED BY (Print)	
Signature	Time	*Signature*	
RELINQUISHED BY (Print)	DATE	RECEIVED BY (Print)	
Signature	Time	*Signature*	

COMMENTS/SPECIAL INSTRUCTIONS

Cooler Temp. upon receipt at lab 4.0

CATIONS: NELAP (National Environmental Laboratory Accredation Program) NJDEP #07010 PADEP #68-02903 NYDOH #11634 CTPH #0233 US ARMY

ing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples

APL
AQUA PRO-TECH LABORATORIES
Certified Environmental Testing

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 2060575

Sesi Consulting Engineers

Project: Harbor Square

Brian Wood
Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or State specific certifications as applicable.

Report Date: Jun 20, 2022

1275 Bloomfield Ave., Bldg. 6, Fairfield, New Jersey 07004
(t) 973.227.0422 (f) 973.227.2813 (w) www.aquaprotechlabs.com

NELAC National Environmental Laboratory Accreditation Conference
NJDEP #07010 / NYDOH #11634

Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-01 (Ground Water)	MW-2A			Collected: 06/10/22 10:20				
BNA+25 Semivolatile Organics - GC/MS								
2,3,4,6-Tetrachlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.210	2.00	ug/L
2,4,5-Trichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0438	2.00	ug/L
2,4,6-Trichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	**0.455**	**J**	**0.137**	**2.00**	**ug/L**
2,4-Dichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.152	2.00	ug/L
2,4-Dimethylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.179	2.00	ug/L
2,4-Dinitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.326	5.00	ug/L
2,4-Dinitrotoluene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.108	2.00	ug/L
2,6-Dinitrotoluene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.143	2.00	ug/L
2-Chloronaphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.122	2.00	ug/L
2-Chlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.111	2.00	ug/L
2-Methylnaphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.103	3.00	ug/L
2-Methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.155	2.00	ug/L
2-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.101	2.00	ug/L
2-Nitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.162	2.00	ug/L
3,3'-Dichlorobenzidine	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.110	2.00	ug/L
3+4-Methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.122	2.00	ug/L
3-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.134	2.00	ug/L
4,6-Dinitro-2-methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0793	2.00	ug/L
4-Bromophenyl-phenyl ether	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.191	2.00	ug/L
4-Chloro-3-methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.141	2.00	ug/L
4-Chloroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.162	2.00	ug/L
4-Chlorophenyl phenyl ether	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.136	2.00	ug/L
4-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0868	2.00	ug/L
4-Nitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.168	2.00	ug/L
Acenaphthene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.100	2.00	ug/L
Acenaphthylene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.140	2.00	ug/L
Acetophenone	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.170	2.00	ug/L
Anthracene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.121	2.00	ug/L
Atrazine	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0861	2.00	ug/L
Benzaldehyde	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.134	2.00	ug/L
Benzo(g,h,i)perylene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0652	2.00	ug/L
Biphenyl	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.106	2.00	ug/L
bis(2-chloroethoxy)methane	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.112	2.00	ug/L
bis(2-chloroethyl)ether	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.121	2.00	ug/L
bis(2-chloroisopropyl)ether	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.132	2.00	ug/L
bis(2-ethylhexyl)phthalate	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.183	2.00	ug/L
Butylbenzylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.190	2.00	ug/L
Caprolactam	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.193	2.00	ug/L

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND, U - Indicates compound analyzed for but not detected
J - Indicates estimated value
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E - Concentration exceeds highest calibration standard
D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation
D1 - Sample was Decanted (Dissolved)

Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-01 (Ground Water)	MW-2A			Collected: 06/10/22 10:20				
BNA+25 Semivolatile Organics - GC/MS								
Carbazole	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.188	2.00	ug/L
Chrysene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.129	2.00	ug/L
Dibenzofuran	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.120	2.00	ug/L
Diethylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.123	2.00	ug/L
Dimethylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.388	2.00	ug/L
Di-n-butylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.131	2.00	ug/L
Di-n-octylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.139	2.00	ug/L
Fluoranthene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.129	2.00	ug/L
Fluorene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.109	2.00	ug/L
Hexachlorocyclopentadiene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.205	2.00	ug/L
Hexachloroethane	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.111	2.00	ug/L
Isophorone	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.111	2.00	ug/L
Naphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0607	2.00	ug/L
Nitrobenzene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.146	2.00	ug/L
n-Nitroso-di-n-propylamine	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.130	2.00	ug/L
n-Nitrosodiphenylamine	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0626	2.00	ug/L
Phenanthrene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0725	2.00	ug/L
Phenol	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.0973	2.00	ug/L
Pyrene	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	ND	U	0.115	2.00	ug/L
BNA+25 Semivolatile Organics - GC/MS TIC								
Indane	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	**7.02**	**J**			**ug/L**
o-Tolylacetic acid	SW 846 8270E	06/13/22 15:53	06/14/22 14:44	**6.11**	**J**			**ug/L**
2060575-01 (Ground Water)	MW-2A			Collected: 06/10/22 10:20				
BNA-SIM Semivolatile Organics - GC/MS - SIM								
Benzo(a)anthracene	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.0750	0.100	ug/L
Benzo(a)pyrene	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.0750	0.100	ug/L
Benzo(b)fluoranthene	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.0750	0.100	ug/L
Benzo(k)fluoranthene	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.0750	0.100	ug/L
Dibenzo(a,h)anthracene	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.0750	0.100	ug/L
Hexachlorobenzene	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.00620	0.0100	ug/L
Hexachlorobutadiene	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.00990	0.0200	ug/L
Indeno(1,2,3-cd)pyrene	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.0750	0.100	ug/L
n-Nitroso-dimethylamine	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	ND	U	0.00960	0.0200	ug/L
Pentachlorophenol	SW 846 8270E	06/13/22 15:55	06/17/22 16:57	**0.477**		**0.00890**	**0.0200**	**ug/L**
2060575-01 (Ground Water)	MW-2A			Collected: 06/10/22 10:20				
VO+15 Volatile Organics - GC/MS								

FootNotes

RL - Reporting limit
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P - Greater than 25% diff. between 2 GC columns.
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D1 - Sample was Decanted (Dissolved)

Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

2060575-01 (Ground Water) MW-2A Collected: 06/10/22 10:20

VO+15 Volatile Organics - GC/MS

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
1,1,1-Trichloroethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.216	1.00	ug/L
1,1,2,2-Tetrachloroethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.218	1.00	ug/L
1,1,2-Trichloro-1,2,2 Trifluoroethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.546	1.00	ug/L
1,1,2-Trichloroethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.476	1.00	ug/L
1,1-Dichloroethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.393	1.00	ug/L
1,1-Dichloroethene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.149	1.00	ug/L
1,2,3-Trichlorobenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.488	1.00	ug/L
1,2,4-Trichlorobenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.437	1.00	ug/L
1,2,4-Trimethylbenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.155	1.00	ug/L
1,2-Dibromo-3-chloropropane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	1.09	2.00	ug/L
1,2-Dibromoethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.320	1.00	ug/L
1,2-Dichlorobenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.210	1.00	ug/L
1,2-Dichloroethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.306	1.00	ug/L
1,2-Dichloropropane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.267	1.00	ug/L
1,3-Dichlorobenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.287	1.00	ug/L
1,4-Dichlorobenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.238	1.00	ug/L
2-Butanone	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.870	10.0	ug/L
2-Hexanone	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.635	2.00	ug/L
4-Methyl-2-pentanone	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.638	2.00	ug/L
Acetone	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	**24.8**		**0.419**	**10.0**	**ug/L**
Benzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	**0.531**	**J**	**0.129**	**1.00**	**ug/L**
Bromochloromethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.307	1.00	ug/L
Bromodichloromethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.258	1.00	ug/L
Bromoform	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.421	1.00	ug/L
Bromomethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.702	5.00	ug/L
Carbon disulfide	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.477	1.00	ug/L
Carbon Tetrachloride	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.372	1.00	ug/L
Chlorobenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.300	1.00	ug/L
Chlorodibromomethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.504	1.00	ug/L
Chloroethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.299	2.00	ug/L
Chloroform	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.365	1.00	ug/L
Chloromethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.758	1.00	ug/L
cis-1,2-Dichloroethene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.352	1.00	ug/L
cis-1,3-Dichloropropene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.294	1.00	ug/L
Cyclohexane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.298	2.00	ug/L
Dichlorodifluoromethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.328	2.00	ug/L
EthylBenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.244	1.00	ug/L

FootNotes

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Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-01 (Ground Water)	MW-2A			Collected: 06/10/22 10:20				
VO+15 Volatile Organics - GC/MS								
Isopropylbenzene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	**0.713**	**J**	**0.275**	**1.00**	**ug/L**
m+p-Xylenes	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.461	2.00	ug/L
Methyl Acetate	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.373	1.00	ug/L
Methyl tert-Butyl Ether	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.596	1.00	ug/L
Methylcyclohexane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.222	1.00	ug/L
Methylene Chloride	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.681	1.00	ug/L
o-Xylene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.244	1.00	ug/L
Styrene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.176	1.00	ug/L
tert-Butyl alcohol	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	8.17	10.0	ug/L
Tetrachloroethene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.466	1.00	ug/L
Toluene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.205	1.00	ug/L
Total Xylenes	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.244	1.00	ug/L
trans-1,2-Dichloroethene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.241	1.00	ug/L
trans-1,3-Dichloropropene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.279	1.00	ug/L
Trichloroethene	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.146	1.00	ug/L
Trichlorofluoromethane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.413	1.00	ug/L
Vinyl chloride	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	ND	U	0.157	1.00	ug/L
VO+15 Volatile Organics - GC/MS TIC								
Indane	SW 846 8260D	06/16/22 08:50	06/16/22 08:50	**6.62**	**J**			**ug/L**
2060575-02 (Ground Water)	Dup-1			Collected: 06/10/22 10:40				
BNA+25 Semivolatile Organics - GC/MS								
2,3,4,6-Tetrachlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.210	2.00	ug/L
2,4,5-Trichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.0438	2.00	ug/L
2,4,6-Trichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.137	2.00	ug/L
2,4-Dichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.152	2.00	ug/L
2,4-Dimethylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.179	2.00	ug/L
2,4-Dinitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.326	5.00	ug/L
2,4-Dinitrotoluene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.108	2.00	ug/L
2,6-Dinitrotoluene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.143	2.00	ug/L
2-Chloronaphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.122	2.00	ug/L
2-Chlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.111	2.00	ug/L
2-Methylnaphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.103	3.00	ug/L
2-Methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.155	2.00	ug/L
2-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.101	2.00	ug/L
2-Nitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.162	2.00	ug/L
3,3'-Dichlorobenzidine	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.110	2.00	ug/L

FootNotes

RL - Reporting limit
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ND, U - Indicates compound analyzed for but not detected
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D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation
D1 - Sample was Decanted (Dissolved)

Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-02 (Ground Water)	Dup-1			Collected: 06/10/22 10:40				
BNA+25 Semivolatile Organics - GC/MS								
3+4-Methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.122	2.00	ug/L
3-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.134	2.00	ug/L
4,6-Dinitro-2-methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.0793	2.00	ug/L
4-Bromophenyl-phenyl ether	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.191	2.00	ug/L
4-Chloro-3-methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.141	2.00	ug/L
4-Chloroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.162	2.00	ug/L
4-Chlorophenyl phenyl ether	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.136	2.00	ug/L
4-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.0868	2.00	ug/L
4-Nitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.168	2.00	ug/L
Acenaphthene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**45.9**		**0.100**	**2.00**	**ug/L**
Acenaphthylene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.140	2.00	ug/L
Acetophenone	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.170	2.00	ug/L
Anthracene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**6.13**		**0.121**	**2.00**	**ug/L**
Atrazine	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.0861	2.00	ug/L
Benzaldehyde	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.134	2.00	ug/L
Benzo(g,h,i)perylene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.0652	2.00	ug/L
Biphenyl	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.106	2.00	ug/L
bis(2-chloroethoxy)methane	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.112	2.00	ug/L
bis(2-chloroethyl)ether	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.121	2.00	ug/L
bis(2-chloroisopropyl)ether	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.132	2.00	ug/L
bis(2-ethylhexyl)phthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.183	2.00	ug/L
Butylbenzylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.190	2.00	ug/L
Caprolactam	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.193	2.00	ug/L
Carbazole	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.188	2.00	ug/L
Chrysene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.129	2.00	ug/L
Dibenzofuran	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**8.90**		**0.120**	**2.00**	**ug/L**
Diethylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.123	2.00	ug/L
Dimethylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.388	2.00	ug/L
Di-n-butylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.131	2.00	ug/L
Di-n-octylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.139	2.00	ug/L
Fluoranthene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**5.58**		**0.129**	**2.00**	**ug/L**
Fluorene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**19.7**		**0.109**	**2.00**	**ug/L**
Hexachlorocyclopentadiene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.205	2.00	ug/L
Hexachloroethane	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.111	2.00	ug/L
Isophorone	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.111	2.00	ug/L
Naphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.0607	2.00	ug/L
Nitrobenzene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.146	2.00	ug/L
n-Nitroso-di-n-propylamine	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.130	2.00	ug/L
n-Nitrosodiphenylamine	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.0626	2.00	ug/L

FootNotes

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Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-02 (Ground Water)	Dup-1			Collected:	06/10/22 10:40			
BNA+25 Semivolatile Organics - GC/MS								
Phenanthrene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**25.6**		**0.0725**	**2.00**	**ug/L**
Phenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	ND	U	0.0973	2.00	ug/L
Pyrene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**4.46**		**0.115**	**2.00**	**ug/L**
BNA+25 Semivolatile Organics - GC/MS TIC								
4H-Cyclopenta[def]phenanthrene	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**4.85**	**J**			**ug/L**
Indane	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**5.00**	**J**			**ug/L**
Naphthalene, 1,7-dimethyl-	SW 846 8270E	06/13/22 15:53	06/14/22 15:16	**8.23**	**J**			**ug/L**
2060575-02 (Ground Water)	Dup-1			Collected:	06/10/22 10:40			
BNA-SIM Semivolatile Organics - GC/MS - SIM								
Benzo(a)anthracene	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	**0.176**		**0.0750**	**0.100**	**ug/L**
Benzo(a)pyrene	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	ND	U	0.0750	0.100	ug/L
Benzo(b)fluoranthene	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	ND	U	0.0750	0.100	ug/L
Benzo(k)fluoranthene	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	ND	U	0.0750	0.100	ug/L
Dibenzo(a,h)anthracene	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	ND	U	0.0750	0.100	ug/L
Hexachlorobenzene	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	ND	U	0.00620	0.0100	ug/L
Hexachlorobutadiene	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	ND	U	0.00990	0.0200	ug/L
Indeno(1,2,3-cd)pyrene	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	ND	U	0.0750	0.100	ug/L
n-Nitroso-dimethylamine	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	ND	U	0.00960	0.0200	ug/L
Pentachlorophenol	SW 846 8270E	06/13/22 15:55	06/17/22 17:28	**0.373**		**0.00890**	**0.0200**	**ug/L**
2060575-02 (Ground Water)	Dup-1			Collected:	06/10/22 10:40			
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.216	1.00	ug/L
1,1,2,2-Tetrachloroethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.218	1.00	ug/L
1,1,2-Trichloro-1,2,2 Trifluoroethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.546	1.00	ug/L
1,1,2-Trichloroethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.476	1.00	ug/L
1,1-Dichloroethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.393	1.00	ug/L
1,1-Dichloroethene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.149	1.00	ug/L
1,2,3-Trichlorobenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.488	1.00	ug/L
1,2,4-Trichlorobenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.437	1.00	ug/L
1,2,4-Trimethylbenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.155	1.00	ug/L
1,2-Dibromo-3-chloropropane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	1.09	2.00	ug/L
1,2-Dibromoethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.320	1.00	ug/L
1,2-Dichlorobenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.210	1.00	ug/L
1,2-Dichloroethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.306	1.00	ug/L

FootNotes

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D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
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Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-02 (Ground Water)	Dup-1			Collected: 06/10/22 10:40				
VO+15 Volatile Organics - GC/MS								
1,2-Dichloropropane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.267	1.00	ug/L
1,3-Dichlorobenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.287	1.00	ug/L
1,4-Dichlorobenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.238	1.00	ug/L
2-Butanone	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	**8.43**	**J**	**0.870**	**10.0**	**ug/L**
2-Hexanone	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.635	2.00	ug/L
4-Methyl-2-pentanone	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.638	2.00	ug/L
Acetone	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.419	10.0	ug/L
Benzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.129	1.00	ug/L
Bromochloromethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.307	1.00	ug/L
Bromodichloromethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.258	1.00	ug/L
Bromoform	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.421	1.00	ug/L
Bromomethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.702	5.00	ug/L
Carbon disulfide	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.477	1.00	ug/L
Carbon Tetrachloride	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.372	1.00	ug/L
Chlorobenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.300	1.00	ug/L
Chlorodibromomethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.504	1.00	ug/L
Chloroethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.299	2.00	ug/L
Chloroform	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.365	1.00	ug/L
Chloromethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.758	1.00	ug/L
cis-1,2-Dichloroethene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.352	1.00	ug/L
cis-1,3-Dichloropropene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.294	1.00	ug/L
Cyclohexane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.298	2.00	ug/L
Dichlorodifluoromethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.328	2.00	ug/L
EthylBenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.244	1.00	ug/L
Isopropylbenzene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.275	1.00	ug/L
m+p-Xylenes	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.461	2.00	ug/L
Methyl Acetate	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.373	1.00	ug/L
Methyl tert-Butyl Ether	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.596	1.00	ug/L
Methylcyclohexane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.222	1.00	ug/L
Methylene Chloride	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.681	1.00	ug/L
o-Xylene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.244	1.00	ug/L
Styrene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.176	1.00	ug/L
tert-Butyl alcohol	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	8.17	10.0	ug/L
Tetrachloroethene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.466	1.00	ug/L
Toluene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.205	1.00	ug/L
Total Xylenes	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.244	1.00	ug/L
trans-1,2-Dichloroethene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.241	1.00	ug/L
trans-1,3-Dichloropropene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.279	1.00	ug/L
Trichloroethene	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.146	1.00	ug/L

FootNotes

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Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-02 (Ground Water)	Dup-1			Collected:	06/10/22 10:40			
VO+15 Volatile Organics - GC/MS								
Trichlorofluoromethane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.413	1.00	ug/L
Vinyl chloride	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	ND	U	0.157	1.00	ug/L
VO+15 Volatile Organics - GC/MS TIC								
Indane	SW 846 8260D	06/16/22 09:17	06/16/22 09:17	**4.73**	**J**			**ug/L**
2060575-03 (Ground Water)	MW-7A			Collected:	06/10/22 12:10			
BNA+25 Semivolatile Organics - GC/MS								
2,3,4,6-Tetrachlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.210	2.00	ug/L
2,4,5-Trichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0438	2.00	ug/L
2,4,6-Trichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	**0.541**	**J**	**0.137**	**2.00**	**ug/L**
2,4-Dichlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.152	2.00	ug/L
2,4-Dimethylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.179	2.00	ug/L
2,4-Dinitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.326	5.00	ug/L
2,4-Dinitrotoluene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.108	2.00	ug/L
2,6-Dinitrotoluene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.143	2.00	ug/L
2-Chloronaphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.122	2.00	ug/L
2-Chlorophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.111	2.00	ug/L
2-Methylnaphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.103	3.00	ug/L
2-Methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.155	2.00	ug/L
2-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.101	2.00	ug/L
2-Nitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.162	2.00	ug/L
3,3'-Dichlorobenzidine	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.110	2.00	ug/L
3+4-Methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.122	2.00	ug/L
3-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.134	2.00	ug/L
4,6-Dinitro-2-methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0793	2.00	ug/L
4-Bromophenyl-phenyl ether	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.191	2.00	ug/L
4-Chloro-3-methylphenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.141	2.00	ug/L
4-Chloroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.162	2.00	ug/L
4-Chlorophenyl phenyl ether	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.136	2.00	ug/L
4-Nitroaniline	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0868	2.00	ug/L
4-Nitrophenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.168	2.00	ug/L
Acenaphthene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.100	2.00	ug/L
Acenaphthylene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.140	2.00	ug/L
Acetophenone	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.170	2.00	ug/L
Anthracene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.121	2.00	ug/L
Atrazine	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0861	2.00	ug/L
Benzaldehyde	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.134	2.00	ug/L

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P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation
D1 - Sample was Decanted (Dissolved)

Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-03 (Ground Water)	MW-7A			Collected: 06/10/22 12:10				
BNA+25 Semivolatile Organics - GC/MS								
Benzo(g,h,i)perylene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0652	2.00	ug/L
Biphenyl	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.106	2.00	ug/L
bis(2-chloroethoxy)methane	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.112	2.00	ug/L
bis(2-chloroethyl)ether	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.121	2.00	ug/L
bis(2-chloroisopropyl)ether	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.132	2.00	ug/L
bis(2-ethylhexyl)phthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.183	2.00	ug/L
Butylbenzylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.190	2.00	ug/L
Caprolactam	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.193	2.00	ug/L
Carbazole	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.188	2.00	ug/L
Chrysene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.129	2.00	ug/L
Dibenzofuran	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.120	2.00	ug/L
Diethylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.123	2.00	ug/L
Dimethylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.388	2.00	ug/L
Di-n-butylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.131	2.00	ug/L
Di-n-octylphthalate	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.139	2.00	ug/L
Fluoranthene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.129	2.00	ug/L
Fluorene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.109	2.00	ug/L
Hexachlorocyclopentadiene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.205	2.00	ug/L
Hexachloroethane	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.111	2.00	ug/L
Isophorone	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.111	2.00	ug/L
Naphthalene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0607	2.00	ug/L
Nitrobenzene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.146	2.00	ug/L
n-Nitroso-di-n-propylamine	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.130	2.00	ug/L
n-Nitrosodiphenylamine	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0626	2.00	ug/L
Phenanthrene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0725	2.00	ug/L
Phenol	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.0973	2.00	ug/L
Pyrene	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	ND	U	0.115	2.00	ug/L
BNA+25 Semivolatile Organics - GC/MS TIC								
Indane	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	**8.82**	**J**			**ug/L**
o-Tolylacetic acid	SW 846 8270E	06/13/22 15:53	06/14/22 15:47	**17.3**	**J**			**ug/L**
2060575-03 (Ground Water)	MW-7A			Collected: 06/10/22 12:10				
BNA-SIM Semivolatile Organics - GC/MS - SIM								
Benzo(a)anthracene	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.0750	0.100	ug/L
Benzo(a)pyrene	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.0750	0.100	ug/L
Benzo(b)fluoranthene	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.0750	0.100	ug/L
Benzo(k)fluoranthene	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.0750	0.100	ug/L
Dibenzo(a,h)anthracene	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.0750	0.100	ug/L

FootNotes

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D - Indicates result is based on a dilution
P - Greater than 25% diff. between 2 GC columns.
H - Indicates a Hold Time violation
D1 - Sample was Decanted (Dissolved)

Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-03 (Ground Water)	MW-7A			Collected: 06/10/22 12:10				
BNA-SIM Semivolatile Organics - GC/MS - SIM								
Hexachlorobenzene	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.00620	0.0100	ug/L
Hexachlorobutadiene	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.00990	0.0200	ug/L
Indeno(1,2,3-cd)pyrene	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.0750	0.100	ug/L
n-Nitroso-dimethylamine	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	ND	U	0.00960	0.0200	ug/L
Pentachlorophenol	SW 846 8270E	06/13/22 15:55	06/17/22 17:59	**0.286**		**0.00890**	**0.0200**	**ug/L**
2060575-03 (Ground Water)	MW-7A			Collected: 06/10/22 12:10				
VO+15 Volatile Organics - GC/MS								
1,1,1-Trichloroethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.216	1.00	ug/L
1,1,2,2-Tetrachloroethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.218	1.00	ug/L
1,1,2-Trichloro-1,2,2 Trifluoroethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.546	1.00	ug/L
1,1,2-Trichloroethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.476	1.00	ug/L
1,1-Dichloroethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.393	1.00	ug/L
1,1-Dichloroethene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.149	1.00	ug/L
1,2,3-Trichlorobenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.488	1.00	ug/L
1,2,4-Trichlorobenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.437	1.00	ug/L
1,2,4-Trimethylbenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.155	1.00	ug/L
1,2-Dibromo-3-chloropropane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	1.09	2.00	ug/L
1,2-Dibromoethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.320	1.00	ug/L
1,2-Dichlorobenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.210	1.00	ug/L
1,2-Dichloroethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.306	1.00	ug/L
1,2-Dichloropropane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.267	1.00	ug/L
1,3-Dichlorobenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.287	1.00	ug/L
1,4-Dichlorobenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.238	1.00	ug/L
2-Butanone	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.870	10.0	ug/L
2-Hexanone	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.635	2.00	ug/L
4-Methyl-2-pentanone	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.638	2.00	ug/L
Acetone	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	**19.7**		**0.419**	**10.0**	**ug/L**
Benzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	**0.641**	**J**	**0.129**	**1.00**	**ug/L**
Bromochloromethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.307	1.00	ug/L
Bromodichloromethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.258	1.00	ug/L
Bromoform	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.421	1.00	ug/L
Bromomethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.702	5.00	ug/L
Carbon disulfide	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.477	1.00	ug/L
Carbon Tetrachloride	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.372	1.00	ug/L
Chlorobenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.300	1.00	ug/L
Chlorodibromomethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.504	1.00	ug/L

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Analytical Results Summary

Harbor Square

Client: Sesi Consulting Engineers **Contact:** Joseph Scardino

APL Order ID: 2060575 **Received:** 06/10/22 16:17

Sample ID/Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
2060575-03 (Ground Water)	MW-7A			Collected: 06/10/22 12:10				
VO+15 Volatile Organics - GC/MS								
Chloroethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.299	2.00	ug/L
Chloroform	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.365	1.00	ug/L
Chloromethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.758	1.00	ug/L
cis-1,2-Dichloroethene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.352	1.00	ug/L
cis-1,3-Dichloropropene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.294	1.00	ug/L
Cyclohexane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.298	2.00	ug/L
Dichlorodifluoromethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.328	2.00	ug/L
EthylBenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.244	1.00	ug/L
Isopropylbenzene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	**0.607**	**J**	**0.275**	**1.00**	**ug/L**
m+p-Xylenes	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.461	2.00	ug/L
Methyl Acetate	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.373	1.00	ug/L
Methyl tert-Butyl Ether	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.596	1.00	ug/L
Methylcyclohexane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.222	1.00	ug/L
Methylene Chloride	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.681	1.00	ug/L
o-Xylene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.244	1.00	ug/L
Styrene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.176	1.00	ug/L
tert-Butyl alcohol	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	8.17	10.0	ug/L
Tetrachloroethene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.466	1.00	ug/L
Toluene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.205	1.00	ug/L
Total Xylenes	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.244	1.00	ug/L
trans-1,2-Dichloroethene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.241	1.00	ug/L
trans-1,3-Dichloropropene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.279	1.00	ug/L
Trichloroethene	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.146	1.00	ug/L
Trichlorofluoromethane	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.413	1.00	ug/L
Vinyl chloride	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	ND	U	0.157	1.00	ug/L
VO+15 Volatile Organics - GC/MS TIC								
Tentatively Identified Compounds	SW 846 8260D	06/16/22 09:43	06/16/22 09:43	0.00	U			ug/L

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CHAIN OF CUSTODY

APL
AQUA PRO-TECH LABORATORIES
APL 2060575
AQUA PRO-TECH LABORATORIES
www.aquaprotechlabs.com

Client:	SESI	Send Report To:	
ress:	12A MAPLE AVE	Address:	
	PINE BROOK, NJ		
one:	973-808-9050	Phone:	
E-Mail:	JS@SESI.org	Send Invoice To:	
Project Name:	HARBOR SQUARE	Address:	
Project Manager:	JOE SCARDINO	Sampling Location:	OSSINING, NY
Project or PO #:	7173	Sampled By:	C. MALYICWI

Turn-Around Time
- [ ] APL Standard 2 Weeks
- [ ] Rush (Choose One Below)
- [ ] 1 Day [ ] 2 Days [ ] 3 Days
- [X] 1 Week [ ] Other (Specify Below)

SESI

Date and Time Required: _____
**May Need Lab Approval

Report / Electronic Format
- [X] **Results Only** / NY ASP-A
- [ ] **Reduced:** NJ DEP
- [ ] **Full:** NJ DEP / NY ASP-B
- [ ] State Forms/E2 Reporting
- [X] Excel Summary
- [ ] EqUIS
- [ ] EnviroData
- [ ] Hazsite EDD

PWSID # _____ SRP# _____

Contamination Level
- [ ] Low
- [ ] Medium
- [ ] High

Comments/Special Instructions:

Cooler Temp: 4.0

Matrix Abbreviations:
DW - Drinking Water; GW - Groundwater; WW - Wastewater; SW - Surface Water; L - Lake; Pool; SPA; S - Soil; SD - Solid; SL - Sludge; C - Concrete; W - Wipes; O - Oil; PC - Paint Chips

APL Order # (APL Will Provide): 2060575

Sample #	Sample Source: Field ID	Collect Date	Collect Time	Matrix	Sample Type: Grab	Sample Type: Comp	No. of Bottles	Preservative	ANALYSIS REQUESTED: TCL VO+15	ANALYSIS REQUESTED: TCL SVOCs
-01	MW-2A	06/10/22	10:20	GW	X		4	HCl	X	X
-02	DUP-1	06/10/22	10:40	GW	X		4	HCl	X	X
-03	MW-7A	06/10/22	12:10	GW	X		4	HCl	X	X

RELINQUISHED BY:	Print: CHRIS MALYICWI	RECEIVED BY:	Print:	Date: 6.10.22
	Sign:		Sign:	Time: 1612
RELINQUISHED BY:	Print:	RECEIVED BY:	Print:	Date:
	Sign		Sign:	Time:
RELINQUISHED BY:	Print:	RECEIVED BY:	Print:	Date:
	Sign:		Sign:	Time:

CERTIFICATIONS: NELAP (National Environmental Accreditation Program) NJDEP #07010 PADEP #68-02903 NYDOH #11634

By signing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples.

The results set forth herein are provided by SGS North America Inc.

e-Hardcopy 2.0
Automated Report

Technical Report for

SESI Consulting Engineers

Harbor Square, Ossining, NY

7173:11

SGS Job Number: JD41994

Sampling Date: 03/24/22



Report to:

SESI Consulting Engineers
12 Maple Avenue Building A
Pine Brook, NJ 07058
js@sesi.org; jcs@sesi.org

ATTN: Joe Scardino

Total number of pages in report: **497**

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Mike Earp
General Manager

Client Service contact: Kelly Ramos 732-329-0200

Certifications: NJ(12129), NY(10983), CA, CT, FL, IL, IN, KS, KY, LA, MA, MD, ME, MN, NC, OH VAP (CL0056), AK (UST-103), AZ (AZ0786), PA, RI, SC, TX, UT, VA, WV, DoD ELAP (ANAB L2248)

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Test results relate only to samples analyzed.

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EHS.US.CustomerCare@sgs.com

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SGS North America Inc.

Sample Summary

SESI Consulting Engineers

Job No: JD41994

Harbor Square, Ossining, NY
Project No: 7173:11

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
This report contains results reported as ND = Not detected. The following applies: Organics ND = Not detected above the MDL							
JD41994-1	03/24/22	12:18	JN	03/24/22	AIR	Soil Vapor Comp.	SS-WATER METER ROOM
JD41994-2	03/24/22	12:19	JN	03/24/22	AIR	Indoor Air Comp.	IA-WATER METER ROOM
JD41994-3	03/24/22	12:36	JN	03/24/22	AIR	Soil Vapor Comp.	SS-BIKE STORAGE
JD41994-4	03/24/22	12:37	JN	03/24/22	AIR	Indoor Air Comp.	IA-BIKE STORAGE
JD41994-5	03/24/22	12:50	JN	03/24/22	AIR	Soil Vapor Comp.	SS-RES. STORAGE ROOM
JD41994-6	03/24/22	12:44	JN	03/24/22	AIR	Indoor Air Comp.	IA-FORMER SUPERINTENDENT OFFICE
JD41994-7	03/24/22	13:00	JN	03/24/22	AIR	Soil Vapor Comp.	SS-RESTAURANT
JD41994-8	03/24/22	13:01	JN	03/24/22	AIR	Indoor Air Comp.	IA-RESTAURANT
JD41994-9	03/24/22	13:11	JN	03/24/22	AIR	Soil Vapor Comp.	SS-KIOSK
JD41994-10	03/24/22	13:12	JN	03/24/22	AIR	Indoor Air Comp.	IA-KIOSK

CASE NARRATIVE / CONFORMANCE SUMMARY

Client:	SESI Consulting Engineers	**Job No**	JD41994
Site:	Harbor Square, Ossining, NY	**Report Date**	4/26/2022 3:23:01 PM

On 03/24/2022, 10 Sample(s), 0 Trip Blank(s) and 0 Field Blank(s) were received at SGS North America Inc. A SGS North America Inc. Job Number of JD41994 was assigned to the project. Laboratory sample ID, client sample ID and dates of sample collection are detailed in the report's Results Summary Section.

Specified quality control criteria were achieved for this job except as noted below. For more information, please refer to the analytical results and QC summary pages.

Compounds qualified as out of range in the continuing calibration summary report are acceptable as per method requirements when there is a high bias but the sample result is non-detect.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2045

- Sample(s) JD41994-2DUP were used as the QC samples indicated.
- All method blanks for this batch meet method specific criteria.
- The following samples were run outside of holding time for method TO-15: JD41994-1, JD41994-3, JD41994-5, JD41994-7, JD41994-9
- Sample(s) JD41994-3, JD41994-5, JD41994-6, JD41994-7, JD41994-8 have compounds reported with "E" qualifiers indicating estimated value exceeding calibration range.
- V5W2045-BSD Recovery(s) for 1,3-Butadiene, Chloromethane, Propylene are outside control limits.
- JD41994-4 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- V5W2045-BS/BSD for 1,2,4-Trichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- V5W2045-BS/BSD for Bromoform: High percent recovery and no associated positive reported in the QC batch.
- V5W2045-BS/BSD for Hexachlorobutadiene: High percent recovery and no associated positive reported in the QC batch.
- V5W2045-BS/BSD for o-Dichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- V5W2045-BS/BSD for p-Dichlorobenzene: High percent recovery and no associated positive reported in the QC batch.
- V5W2045-BS for Chloroethane: Outside in house control limits.
- RPD of V5W2045-BSD for Propylene: Outside in house control limits.
- JD41994-2 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-2 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-2 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-2 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-2 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-2 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-2 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-2 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-4 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-4 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-4 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-8 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-4 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2045

- JD41994-4 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-4 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-4 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-4 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-6 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-6 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-6 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-6 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-6 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-6 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-6 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-2 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-6 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-6 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-8 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-8 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-8 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-8 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-8 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-8 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-8 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-8 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-10 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-7 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-10 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-1 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-10 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-10 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-10 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-10 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-1 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-1 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-1 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-1 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-1 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2045

- JD41994-5 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-10 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-5 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-7 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-3 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-3 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-3 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-3 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-3 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-3 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-3 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-3 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-3 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-9 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-1 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-5 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-5 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-5 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-5 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-5 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-5 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-5 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-7 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-7 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-7 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-7 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-10 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-7 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-1 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-7 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-7 for Propylene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-9 for Bromoform: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-9 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-9 for o-Dichlorobenzene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
- JD41994-9 for 1,2,4-Trichlorobenzene: This compound in blank spike is outside in house QC limits bias high.

MS Volatiles By Method TO-15

Matrix: AIR **Batch ID:** V5W2045

- JD41994-9 for p-Dichlorobenzene: This compound in blank spike is outside in house QC limits bias high.
- JD41994-9 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-9 for Chloroethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-9 for Chloromethane: This compound in blank spike is outside in house QC limits bias low.
- JD41994-1 for 1,3-Butadiene: This compound in blank spike is outside in house QC limits bias low.
- JD41994-10 for Hexachlorobutadiene: Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.

SGS North America Inc. certifies that data reported for samples received, listed on the associated custody chain or analytical task order, were produced to specifications meeting the Quality System precision, accuracy and completeness objectives except as noted.

Estimated non-standard method measurement uncertainty data is available on request, based on quality control bias and implicit for standard methods. Acceptable uncertainty requires tested parameter quality control data to meet method criteria.

SGS North America Inc. is not responsible for data quality assumptions if partial reports are used and recommends that this report be used in its entirety. Data release is authorized by SGS North America Inc indicated via signature on the report cover

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
JD41994-1	**SS-WATER METER ROOM**					
Acetone (2-Propanone) [a]		5.4	0.20	0.15	ppbv	TO-15
Benzene [a]		0.54	0.20	0.062	ppbv	TO-15
Carbon disulfide [a]		0.38	0.20	0.045	ppbv	TO-15
Chloroform [a]		0.18 J	0.20	0.037	ppbv	TO-15
Chloromethane [b]		0.74	0.20	0.090	ppbv	TO-15
Cyclohexane [a]		0.19 J	0.20	0.11	ppbv	TO-15
Dichlorodifluoromethane [a]		0.52	0.20	0.032	ppbv	TO-15
m-Dichlorobenzene [a]		0.10	0.10	0.040	ppbv	TO-15
Ethanol [a]		39.5	0.50	0.39	ppbv	TO-15
Ethylbenzene [a]		0.24	0.20	0.061	ppbv	TO-15
Ethyl Acetate [a]		3.0	0.20	0.10	ppbv	TO-15
4-Ethyltoluene [a]		0.35	0.20	0.095	ppbv	TO-15
Heptane [a]		0.19 J	0.20	0.092	ppbv	TO-15
Hexane [a]		0.32	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol [a]		30.0	0.20	0.14	ppbv	TO-15
Methylene chloride [a]		0.22	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone [a]		1.9	0.20	0.11	ppbv	TO-15
Methyl Isobutyl Ketone [a]		0.41	0.20	0.073	ppbv	TO-15
Propylene [b]		1.6	0.50	0.14	ppbv	TO-15
1,2,4-Trimethylbenzene [a]		0.44	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene [a]		0.11 J	0.20	0.080	ppbv	TO-15
2,2,4-Trimethylpentane [a]		0.19 J	0.20	0.095	ppbv	TO-15
Tertiary Butyl Alcohol [a]		0.37	0.20	0.093	ppbv	TO-15
Tetrachloroethylene [a]		0.14	0.040	0.014	ppbv	TO-15
Toluene [a]		1.4	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane [a]		0.26	0.10	0.036	ppbv	TO-15
m,p-Xylene [a]		0.86	0.20	0.14	ppbv	TO-15
o-Xylene [a]		0.32	0.20	0.077	ppbv	TO-15
Xylenes (total) [a]		1.2	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone) [a]		13	0.48	0.36	ug/m3	TO-15
Benzene [a]		1.7	0.64	0.20	ug/m3	TO-15
Carbon disulfide [a]		1.2	0.62	0.14	ug/m3	TO-15
Chloroform [a]		0.88 J	0.98	0.18	ug/m3	TO-15
Chloromethane [b]		1.5	0.41	0.19	ug/m3	TO-15
Cyclohexane [a]		0.65 J	0.69	0.38	ug/m3	TO-15
Dichlorodifluoromethane [a]		2.6	0.99	0.16	ug/m3	TO-15
m-Dichlorobenzene [a]		0.60	0.60	0.24	ug/m3	TO-15
Ethanol [a]		74.4	0.94	0.73	ug/m3	TO-15
Ethylbenzene [a]		1.0	0.87	0.26	ug/m3	TO-15
Ethyl Acetate [a]		11	0.72	0.36	ug/m3	TO-15
4-Ethyltoluene [a]		1.7	0.98	0.47	ug/m3	TO-15
Heptane [a]		0.78 J	0.82	0.38	ug/m3	TO-15
Hexane [a]		1.1	0.70	0.39	ug/m3	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Isopropyl Alcohol [a]		73.7	0.49	0.34	ug/m3	TO-15
Methylene chloride [a]		0.76	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone [a]		5.6	0.59	0.32	ug/m3	TO-15
Methyl Isobutyl Ketone [a]		1.7	0.82	0.30	ug/m3	TO-15
Propylene [b]		2.7	0.86	0.24	ug/m3	TO-15
1,2,4-Trimethylbenzene [a]		2.2	0.98	0.43	ug/m3	TO-15
1,3,5-Trimethylbenzene [a]		0.54 J	0.98	0.39	ug/m3	TO-15
2,2,4-Trimethylpentane [a]		0.89 J	0.93	0.44	ug/m3	TO-15
Tertiary Butyl Alcohol [a]		1.1	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene [a]		0.95	0.27	0.095	ug/m3	TO-15
Toluene [a]		5.3	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane [a]		1.5	0.56	0.20	ug/m3	TO-15
m,p-Xylene [a]		3.7	0.87	0.61	ug/m3	TO-15
o-Xylene [a]		1.4	0.87	0.33	ug/m3	TO-15
Xylenes (total) [a]		5.2	0.87	0.33	ug/m3	TO-15
JD41994-2	**IA-WATER METER ROOM**					
Acetone (2-Propanone)		2.0	0.16	0.12	ppbv	TO-15
1,3-Butadiene [c]		0.15 J	0.16	0.067	ppbv	TO-15
Benzene		1.2	0.16	0.050	ppbv	TO-15
Chloromethane [c]		0.45	0.16	0.072	ppbv	TO-15
Cyclohexane		0.18	0.16	0.088	ppbv	TO-15
Dichlorodifluoromethane		0.42	0.16	0.026	ppbv	TO-15
Ethanol		9.8	0.40	0.32	ppbv	TO-15
Ethylbenzene		0.29	0.16	0.049	ppbv	TO-15
Ethyl Acetate		5.5	0.16	0.083	ppbv	TO-15
4-Ethyltoluene		0.22	0.16	0.076	ppbv	TO-15
Heptane		0.21	0.16	0.074	ppbv	TO-15
Hexane		0.32	0.16	0.090	ppbv	TO-15
Isopropyl Alcohol		1.3	0.16	0.11	ppbv	TO-15
Methylene chloride		0.18	0.16	0.045	ppbv	TO-15
Methyl ethyl ketone		0.24	0.16	0.088	ppbv	TO-15
Methyl Isobutyl Ketone		0.17	0.16	0.058	ppbv	TO-15
Propylene [c]		2.5	0.40	0.11	ppbv	TO-15
1,2,4-Trimethylbenzene		0.14 J	0.16	0.070	ppbv	TO-15
2,2,4-Trimethylpentane		0.32	0.16	0.076	ppbv	TO-15
Toluene		1.7	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane		0.23	0.080	0.029	ppbv	TO-15
m,p-Xylene		0.85	0.16	0.11	ppbv	TO-15
o-Xylene		0.28	0.16	0.062	ppbv	TO-15
Xylenes (total)		1.1	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)		4.8	0.38	0.29	ug/m3	TO-15
1,3-Butadiene [c]		0.33 J	0.35	0.15	ug/m3	TO-15
Benzene		3.8	0.51	0.16	ug/m3	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Chloromethane [c]		0.93	0.33	0.15	ug/m3	TO-15
Cyclohexane		0.62	0.55	0.30	ug/m3	TO-15
Dichlorodifluoromethane		2.1	0.79	0.13	ug/m3	TO-15
Ethanol		18	0.75	0.60	ug/m3	TO-15
Ethylbenzene		1.3	0.69	0.21	ug/m3	TO-15
Ethyl Acetate		20	0.58	0.30	ug/m3	TO-15
4-Ethyltoluene		1.1	0.79	0.37	ug/m3	TO-15
Heptane		0.86	0.66	0.30	ug/m3	TO-15
Hexane		1.1	0.56	0.32	ug/m3	TO-15
Isopropyl Alcohol		3.2	0.39	0.27	ug/m3	TO-15
Methylene chloride		0.63	0.56	0.16	ug/m3	TO-15
Methyl ethyl ketone		0.71	0.47	0.26	ug/m3	TO-15
Methyl Isobutyl Ketone		0.70	0.66	0.24	ug/m3	TO-15
Propylene [c]		4.3	0.69	0.19	ug/m3	TO-15
1,2,4-Trimethylbenzene		0.69 J	0.79	0.34	ug/m3	TO-15
2,2,4-Trimethylpentane		1.5	0.75	0.35	ug/m3	TO-15
Toluene		6.4	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane		1.3	0.45	0.16	ug/m3	TO-15
m,p-Xylene		3.7	0.69	0.48	ug/m3	TO-15
o-Xylene		1.2	0.69	0.27	ug/m3	TO-15
Xylenes (total)		4.8	0.69	0.27	ug/m3	TO-15
JD41994-3	**SS-BIKE STORAGE**					
Acetone (2-Propanone) [a]		6.1	0.20	0.15	ppbv	TO-15
1,3-Butadiene [b]		0.51	0.20	0.084	ppbv	TO-15
Benzene [a]		2.1	0.20	0.062	ppbv	TO-15
Chloroform [a]		0.10 J	0.20	0.037	ppbv	TO-15
Chloromethane [b]		0.66	0.20	0.090	ppbv	TO-15
Cyclohexane [a]		0.56	0.20	0.11	ppbv	TO-15
Dichlorodifluoromethane [a]		0.53	0.20	0.032	ppbv	TO-15
Ethanol [a]		66.9 E	0.50	0.39	ppbv	TO-15
Ethylbenzene [a]		0.54	0.20	0.061	ppbv	TO-15
Ethyl Acetate [a]		2.5	0.20	0.10	ppbv	TO-15
4-Ethyltoluene [a]		0.46	0.20	0.095	ppbv	TO-15
Heptane [a]		0.53	0.20	0.092	ppbv	TO-15
Hexane [a]		1.1	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol [a]		30.2	0.20	0.14	ppbv	TO-15
Methylene chloride [a]		0.22	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone [a]		1.7	0.20	0.11	ppbv	TO-15
Methyl Isobutyl Ketone [a]		0.54	0.20	0.073	ppbv	TO-15
Propylene [b]		7.2	0.50	0.14	ppbv	TO-15
1,2,4-Trimethylbenzene [a]		0.48	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene [a]		0.15 J	0.20	0.080	ppbv	TO-15
2,2,4-Trimethylpentane [a]		0.85	0.20	0.095	ppbv	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Tertiary Butyl Alcohol [a]	0.33	0.20	0.093	ppbv	TO-15
Tetrachloroethylene [a]	0.056	0.040	0.014	ppbv	TO-15
Toluene [a]	3.8	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane [a]	0.27	0.10	0.036	ppbv	TO-15
m,p-Xylene [a]	1.8	0.20	0.14	ppbv	TO-15
o-Xylene [a]	0.61	0.20	0.077	ppbv	TO-15
Xylenes (total) [a]	2.4	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone) [a]	14	0.48	0.36	ug/m3	TO-15
1,3-Butadiene [b]	1.1	0.44	0.19	ug/m3	TO-15
Benzene [a]	6.7	0.64	0.20	ug/m3	TO-15
Chloroform [a]	0.49 J	0.98	0.18	ug/m3	TO-15
Chloromethane [b]	1.4	0.41	0.19	ug/m3	TO-15
Cyclohexane [a]	1.9	0.69	0.38	ug/m3	TO-15
Dichlorodifluoromethane [a]	2.6	0.99	0.16	ug/m3	TO-15
Ethanol [a]	126 E	0.94	0.73	ug/m3	TO-15
Ethylbenzene [a]	2.3	0.87	0.26	ug/m3	TO-15
Ethyl Acetate [a]	9.0	0.72	0.36	ug/m3	TO-15
4-Ethyltoluene [a]	2.3	0.98	0.47	ug/m3	TO-15
Heptane [a]	2.2	0.82	0.38	ug/m3	TO-15
Hexane [a]	3.9	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol [a]	74.2	0.49	0.34	ug/m3	TO-15
Methylene chloride [a]	0.76	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone [a]	5.0	0.59	0.32	ug/m3	TO-15
Methyl Isobutyl Ketone [a]	2.2	0.82	0.30	ug/m3	TO-15
Propylene [b]	12	0.86	0.24	ug/m3	TO-15
1,2,4-Trimethylbenzene [a]	2.4	0.98	0.43	ug/m3	TO-15
1,3,5-Trimethylbenzene [a]	0.74 J	0.98	0.39	ug/m3	TO-15
2,2,4-Trimethylpentane [a]	4.0	0.93	0.44	ug/m3	TO-15
Tertiary Butyl Alcohol [a]	1.0	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene [a]	0.38	0.27	0.095	ug/m3	TO-15
Toluene [a]	14	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane [a]	1.5	0.56	0.20	ug/m3	TO-15
m,p-Xylene [a]	7.8	0.87	0.61	ug/m3	TO-15
o-Xylene [a]	2.6	0.87	0.33	ug/m3	TO-15
Xylenes (total) [a]	10	0.87	0.33	ug/m3	TO-15
JD41994-4 IA-BIKE STORAGE					
Acetone (2-Propanone)	6.6	0.16	0.12	ppbv	TO-15
1,3-Butadiene [c]	0.44	0.16	0.067	ppbv	TO-15
Benzene	2.8	0.16	0.050	ppbv	TO-15
Chloromethane [c]	0.52	0.16	0.072	ppbv	TO-15
Cyclohexane	0.55	0.16	0.088	ppbv	TO-15
Dichlorodifluoromethane	0.46	0.16	0.026	ppbv	TO-15
Ethanol	32.2	0.40	0.32	ppbv	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
Ethylbenzene	0.77	0.16	0.049	ppbv	TO-15
Ethyl Acetate	3.4	0.16	0.083	ppbv	TO-15
4-Ethyltoluene	0.55	0.16	0.076	ppbv	TO-15
Heptane	0.68	0.16	0.074	ppbv	TO-15
Hexane	1.0	0.16	0.090	ppbv	TO-15
Isopropyl Alcohol	1.9	0.16	0.11	ppbv	TO-15
Methylene chloride	0.30	0.16	0.045	ppbv	TO-15
Methyl ethyl ketone	0.73	0.16	0.088	ppbv	TO-15
Methyl Isobutyl Ketone	0.36	0.16	0.058	ppbv	TO-15
Propylene [c]	1.8	0.40	0.11	ppbv	TO-15
Styrene	0.10 J	0.16	0.094	ppbv	TO-15
1,2,4-Trimethylbenzene	0.52	0.16	0.070	ppbv	TO-15
1,3,5-Trimethylbenzene	0.16	0.16	0.064	ppbv	TO-15
2,2,4-Trimethylpentane	1.2	0.16	0.076	ppbv	TO-15
Tertiary Butyl Alcohol	0.47	0.16	0.074	ppbv	TO-15
Toluene	4.7	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane	0.26	0.080	0.029	ppbv	TO-15
m,p-Xylene	2.4	0.16	0.11	ppbv	TO-15
o-Xylene	0.82	0.16	0.062	ppbv	TO-15
Xylenes (total)	3.2	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)	16	0.38	0.29	ug/m3	TO-15
1,3-Butadiene [c]	0.97	0.35	0.15	ug/m3	TO-15
Benzene	8.9	0.51	0.16	ug/m3	TO-15
Chloromethane [c]	1.1	0.33	0.15	ug/m3	TO-15
Cyclohexane	1.9	0.55	0.30	ug/m3	TO-15
Dichlorodifluoromethane	2.3	0.79	0.13	ug/m3	TO-15
Ethanol	60.7	0.75	0.60	ug/m3	TO-15
Ethylbenzene	3.3	0.69	0.21	ug/m3	TO-15
Ethyl Acetate	12	0.58	0.30	ug/m3	TO-15
4-Ethyltoluene	2.7	0.79	0.37	ug/m3	TO-15
Heptane	2.8	0.66	0.30	ug/m3	TO-15
Hexane	3.5	0.56	0.32	ug/m3	TO-15
Isopropyl Alcohol	4.7	0.39	0.27	ug/m3	TO-15
Methylene chloride	1.0	0.56	0.16	ug/m3	TO-15
Methyl ethyl ketone	2.2	0.47	0.26	ug/m3	TO-15
Methyl Isobutyl Ketone	1.5	0.66	0.24	ug/m3	TO-15
Propylene [c]	3.1	0.69	0.19	ug/m3	TO-15
Styrene	0.43 J	0.68	0.40	ug/m3	TO-15
1,2,4-Trimethylbenzene	2.6	0.79	0.34	ug/m3	TO-15
1,3,5-Trimethylbenzene	0.79	0.79	0.31	ug/m3	TO-15
2,2,4-Trimethylpentane	5.6	0.75	0.35	ug/m3	TO-15
Tertiary Butyl Alcohol	1.4	0.49	0.22	ug/m3	TO-15
Toluene	18	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane	1.5	0.45	0.16	ug/m3	TO-15
m,p-Xylene	10	0.69	0.48	ug/m3	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
o-Xylene		3.6	0.69	0.27	ug/m3	TO-15
Xylenes (total)		14	0.69	0.27	ug/m3	TO-15
JD41994-5	**SS-RES. STORAGE ROOM**					
Acetone (2-Propanone) [a]		9.0	0.20	0.15	ppbv	TO-15
Benzene [a]		0.45	0.20	0.062	ppbv	TO-15
Carbon disulfide [a]		0.12 J	0.20	0.045	ppbv	TO-15
Chloroform [a]		0.14 J	0.20	0.037	ppbv	TO-15
Chloromethane [b]		0.73	0.20	0.090	ppbv	TO-15
Cyclohexane [a]		0.16 J	0.20	0.11	ppbv	TO-15
Dichlorodifluoromethane [a]		0.52	0.20	0.032	ppbv	TO-15
m-Dichlorobenzene [a]		0.067 J	0.10	0.040	ppbv	TO-15
Ethanol [a]		82.9 E	0.50	0.39	ppbv	TO-15
Ethylbenzene [a]		0.19 J	0.20	0.061	ppbv	TO-15
Ethyl Acetate [a]		3.6	0.20	0.10	ppbv	TO-15
4-Ethyltoluene [a]		0.30	0.20	0.095	ppbv	TO-15
Hexane [a]		0.20	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol [a]		45.2	0.20	0.14	ppbv	TO-15
Methylene chloride [a]		0.22	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone [a]		2.5	0.20	0.11	ppbv	TO-15
Propylene [b]		1.1	0.50	0.14	ppbv	TO-15
1,2,4-Trimethylbenzene [a]		0.40	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene [a]		0.12 J	0.20	0.080	ppbv	TO-15
2,2,4-Trimethylpentane [a]		0.22	0.20	0.095	ppbv	TO-15
Tertiary Butyl Alcohol [a]		0.61	0.20	0.093	ppbv	TO-15
Tetrachloroethylene [a]		0.15	0.040	0.014	ppbv	TO-15
Toluene [a]		1.2	0.20	0.057	ppbv	TO-15
Trichloroethylene [a]		0.052	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane [a]		0.28	0.10	0.036	ppbv	TO-15
m,p-Xylene [a]		0.69	0.20	0.14	ppbv	TO-15
o-Xylene [a]		0.29	0.20	0.077	ppbv	TO-15
Xylenes (total) [a]		0.97	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone) [a]		21	0.48	0.36	ug/m3	TO-15
Benzene [a]		1.4	0.64	0.20	ug/m3	TO-15
Carbon disulfide [a]		0.37 J	0.62	0.14	ug/m3	TO-15
Chloroform [a]		0.68 J	0.98	0.18	ug/m3	TO-15
Chloromethane [b]		1.5	0.41	0.19	ug/m3	TO-15
Cyclohexane [a]		0.55 J	0.69	0.38	ug/m3	TO-15
Dichlorodifluoromethane [a]		2.6	0.99	0.16	ug/m3	TO-15
m-Dichlorobenzene [a]		0.40 J	0.60	0.24	ug/m3	TO-15
Ethanol [a]		156 E	0.94	0.73	ug/m3	TO-15
Ethylbenzene [a]		0.83 J	0.87	0.26	ug/m3	TO-15
Ethyl Acetate [a]		13	0.72	0.36	ug/m3	TO-15
4-Ethyltoluene [a]		1.5	0.98	0.47	ug/m3	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Hexane [a]	0.70	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol [a]	111	0.49	0.34	ug/m3	TO-15
Methylene chloride [a]	0.76	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone [a]	7.4	0.59	0.32	ug/m3	TO-15
Propylene [b]	1.9	0.86	0.24	ug/m3	TO-15
1,2,4-Trimethylbenzene [a]	2.0	0.98	0.43	ug/m3	TO-15
1,3,5-Trimethylbenzene [a]	0.59 J	0.98	0.39	ug/m3	TO-15
2,2,4-Trimethylpentane [a]	1.0	0.93	0.44	ug/m3	TO-15
Tertiary Butyl Alcohol [a]	1.8	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene [a]	1.0	0.27	0.095	ug/m3	TO-15
Toluene [a]	4.5	0.75	0.21	ug/m3	TO-15
Trichloroethylene [a]	0.28	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane [a]	1.6	0.56	0.20	ug/m3	TO-15
m,p-Xylene [a]	3.0	0.87	0.61	ug/m3	TO-15
o-Xylene [a]	1.3	0.87	0.33	ug/m3	TO-15
Xylenes (total) [a]	4.2	0.87	0.33	ug/m3	TO-15
JD41994-6 IA-FORMER SUPERINTENDENT OFFICE					
Acetone (2-Propanone)	3.8	0.16	0.12	ppbv	TO-15
Benzene	0.39	0.16	0.050	ppbv	TO-15
Chloromethane [c]	0.47	0.16	0.072	ppbv	TO-15
Carbon tetrachloride	0.088	0.032	0.032	ppbv	TO-15
Dichlorodifluoromethane	0.47	0.16	0.026	ppbv	TO-15
Ethanol	222 E	0.40	0.32	ppbv	TO-15
Ethylbenzene	0.099 J	0.16	0.049	ppbv	TO-15
Ethyl Acetate	11.6	0.16	0.083	ppbv	TO-15
Heptane	0.084 J	0.16	0.074	ppbv	TO-15
Hexane	0.27	0.16	0.090	ppbv	TO-15
Isopropyl Alcohol	9.2	0.16	0.11	ppbv	TO-15
Methylene chloride	0.62	0.16	0.045	ppbv	TO-15
Methyl ethyl ketone	0.31	0.16	0.088	ppbv	TO-15
Propylene [c]	0.77	0.40	0.11	ppbv	TO-15
2,2,4-Trimethylpentane	0.11 J	0.16	0.076	ppbv	TO-15
Tertiary Butyl Alcohol	0.18	0.16	0.074	ppbv	TO-15
Toluene	0.60	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane	0.30	0.080	0.029	ppbv	TO-15
m,p-Xylene	0.37	0.16	0.11	ppbv	TO-15
o-Xylene	0.13 J	0.16	0.062	ppbv	TO-15
Xylenes (total)	0.49	0.16	0.062	ppbv	TO-15
Acetone (2-Propanone)	9.0	0.38	0.29	ug/m3	TO-15
Benzene	1.2	0.51	0.16	ug/m3	TO-15
Chloromethane [c]	0.97	0.33	0.15	ug/m3	TO-15
Carbon tetrachloride	0.55	0.20	0.20	ug/m3	TO-15
Dichlorodifluoromethane	2.3	0.79	0.13	ug/m3	TO-15

Summary of Hits

Job Number: JD41994
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Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Ethanol	418 E	0.75	0.60	ug/m3	TO-15
Ethylbenzene	0.43 J	0.69	0.21	ug/m3	TO-15
Ethyl Acetate	41.8	0.58	0.30	ug/m3	TO-15
Heptane	0.34 J	0.66	0.30	ug/m3	TO-15
Hexane	0.95	0.56	0.32	ug/m3	TO-15
Isopropyl Alcohol	23	0.39	0.27	ug/m3	TO-15
Methylene chloride	2.2	0.56	0.16	ug/m3	TO-15
Methyl ethyl ketone	0.91	0.47	0.26	ug/m3	TO-15
Propylene [c]	1.3	0.69	0.19	ug/m3	TO-15
2,2,4-Trimethylpentane	0.51 J	0.75	0.35	ug/m3	TO-15
Tertiary Butyl Alcohol	0.55	0.49	0.22	ug/m3	TO-15
Toluene	2.3	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane	1.7	0.45	0.16	ug/m3	TO-15
m,p-Xylene	1.6	0.69	0.48	ug/m3	TO-15
o-Xylene	0.56 J	0.69	0.27	ug/m3	TO-15
Xylenes (total)	2.1	0.69	0.27	ug/m3	TO-15
JD41994-7 SS-RESTAURANT					
Acetone (2-Propanone) [a]	7.7	0.20	0.15	ppbv	TO-15
Benzene [a]	0.20	0.20	0.062	ppbv	TO-15
Carbon disulfide [a]	0.21	0.20	0.045	ppbv	TO-15
Chloroform [a]	0.57	0.20	0.037	ppbv	TO-15
Chloromethane [b]	1.0	0.20	0.090	ppbv	TO-15
Cyclohexane [a]	0.17 J	0.20	0.11	ppbv	TO-15
Dichlorodifluoromethane [a]	0.54	0.20	0.032	ppbv	TO-15
Ethanol [a]	106 E	0.50	0.39	ppbv	TO-15
Ethylbenzene [a]	0.19 J	0.20	0.061	ppbv	TO-15
Ethyl Acetate [a]	4.3	0.20	0.10	ppbv	TO-15
4-Ethyltoluene [a]	0.35	0.20	0.095	ppbv	TO-15
Heptane [a]	0.11 J	0.20	0.092	ppbv	TO-15
Hexane [a]	0.17 J	0.20	0.11	ppbv	TO-15
2-Hexanone [a]	0.47	0.20	0.15	ppbv	TO-15
Isopropyl Alcohol [a]	33.6	0.20	0.14	ppbv	TO-15
Methylene chloride [a]	0.20	0.20	0.056	ppbv	TO-15
Methyl ethyl ketone [a]	2.2	0.20	0.11	ppbv	TO-15
Methyl Isobutyl Ketone [a]	0.55	0.20	0.073	ppbv	TO-15
Propylene [b]	0.35 J	0.50	0.14	ppbv	TO-15
1,2,4-Trimethylbenzene [a]	0.45	0.20	0.087	ppbv	TO-15
1,3,5-Trimethylbenzene [a]	0.13 J	0.20	0.080	ppbv	TO-15
2,2,4-Trimethylpentane [a]	0.24	0.20	0.095	ppbv	TO-15
Tertiary Butyl Alcohol [a]	0.53	0.20	0.093	ppbv	TO-15
Tetrachloroethylene [a]	0.22	0.040	0.014	ppbv	TO-15
Tetrahydrofuran [a]	0.13 J	0.20	0.090	ppbv	TO-15
Toluene [a]	0.97	0.20	0.057	ppbv	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Trichloroethylene [a]	0.092	0.040	0.019	ppbv	TO-15
Trichlorofluoromethane [a]	0.30	0.10	0.036	ppbv	TO-15
m,p-Xylene [a]	0.65	0.20	0.14	ppbv	TO-15
o-Xylene [a]	0.31	0.20	0.077	ppbv	TO-15
Xylenes (total) [a]	0.96	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone) [a]	18	0.48	0.36	ug/m3	TO-15
Benzene [a]	0.64	0.64	0.20	ug/m3	TO-15
Carbon disulfide [a]	0.65	0.62	0.14	ug/m3	TO-15
Chloroform [a]	2.8	0.98	0.18	ug/m3	TO-15
Chloromethane [b]	2.1	0.41	0.19	ug/m3	TO-15
Cyclohexane [a]	0.59 J	0.69	0.38	ug/m3	TO-15
Dichlorodifluoromethane [a]	2.7	0.99	0.16	ug/m3	TO-15
Ethanol [a]	200 E	0.94	0.73	ug/m3	TO-15
Ethylbenzene [a]	0.83 J	0.87	0.26	ug/m3	TO-15
Ethyl Acetate [a]	15	0.72	0.36	ug/m3	TO-15
4-Ethyltoluene [a]	1.7	0.98	0.47	ug/m3	TO-15
Heptane [a]	0.45 J	0.82	0.38	ug/m3	TO-15
Hexane [a]	0.60 J	0.70	0.39	ug/m3	TO-15
2-Hexanone [a]	1.9	0.82	0.61	ug/m3	TO-15
Isopropyl Alcohol [a]	82.6	0.49	0.34	ug/m3	TO-15
Methylene chloride [a]	0.69	0.69	0.19	ug/m3	TO-15
Methyl ethyl ketone [a]	6.5	0.59	0.32	ug/m3	TO-15
Methyl Isobutyl Ketone [a]	2.3	0.82	0.30	ug/m3	TO-15
Propylene [b]	0.60 J	0.86	0.24	ug/m3	TO-15
1,2,4-Trimethylbenzene [a]	2.2	0.98	0.43	ug/m3	TO-15
1,3,5-Trimethylbenzene [a]	0.64 J	0.98	0.39	ug/m3	TO-15
2,2,4-Trimethylpentane [a]	1.1	0.93	0.44	ug/m3	TO-15
Tertiary Butyl Alcohol [a]	1.6	0.61	0.28	ug/m3	TO-15
Tetrachloroethylene [a]	1.5	0.27	0.095	ug/m3	TO-15
Tetrahydrofuran [a]	0.38 J	0.59	0.27	ug/m3	TO-15
Toluene [a]	3.7	0.75	0.21	ug/m3	TO-15
Trichloroethylene [a]	0.49	0.21	0.10	ug/m3	TO-15
Trichlorofluoromethane [a]	1.7	0.56	0.20	ug/m3	TO-15
m,p-Xylene [a]	2.8	0.87	0.61	ug/m3	TO-15
o-Xylene [a]	1.3	0.87	0.33	ug/m3	TO-15
Xylenes (total) [a]	4.2	0.87	0.33	ug/m3	TO-15
JD41994-8 IA-RESTAURANT					
Acetone (2-Propanone)	3.7	0.16	0.12	ppbv	TO-15
Benzene	0.13 J	0.16	0.050	ppbv	TO-15
Carbon disulfide	0.14 J	0.16	0.036	ppbv	TO-15
Chloroform	0.93	0.16	0.030	ppbv	TO-15
Chloromethane [c]	0.53	0.16	0.072	ppbv	TO-15
Carbon tetrachloride	0.077	0.032	0.032	ppbv	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Client Sample ID / Analyte	Result/ Qual	RL	MDL	Units	Method
Dichlorodifluoromethane	0.49	0.16	0.026	ppbv	TO-15
Ethanol	362 E	0.40	0.32	ppbv	TO-15
Ethyl Acetate	1.7	0.16	0.083	ppbv	TO-15
Isopropyl Alcohol	9.4	0.16	0.11	ppbv	TO-15
Methylene chloride	0.21	0.16	0.045	ppbv	TO-15
Propylene [c]	2.8	0.40	0.11	ppbv	TO-15
Toluene	0.13 J	0.16	0.046	ppbv	TO-15
Trichlorofluoromethane	0.25	0.080	0.029	ppbv	TO-15
Acetone (2-Propanone)	8.8	0.38	0.29	ug/m3	TO-15
Benzene	0.42 J	0.51	0.16	ug/m3	TO-15
Carbon disulfide	0.44 J	0.50	0.11	ug/m3	TO-15
Chloroform	4.5	0.78	0.15	ug/m3	TO-15
Chloromethane [c]	1.1	0.33	0.15	ug/m3	TO-15
Carbon tetrachloride	0.48	0.20	0.20	ug/m3	TO-15
Dichlorodifluoromethane	2.4	0.79	0.13	ug/m3	TO-15
Ethanol	682 E	0.75	0.60	ug/m3	TO-15
Ethyl Acetate	6.1	0.58	0.30	ug/m3	TO-15
Isopropyl Alcohol	23	0.39	0.27	ug/m3	TO-15
Methylene chloride	0.73	0.56	0.16	ug/m3	TO-15
Propylene [c]	4.8	0.69	0.19	ug/m3	TO-15
Toluene	0.49 J	0.60	0.17	ug/m3	TO-15
Trichlorofluoromethane	1.4	0.45	0.16	ug/m3	TO-15
JD41994-9 SS-KIOSK					
Acetone (2-Propanone) [a]	4.0	0.20	0.15	ppbv	TO-15
Benzene [a]	0.19 J	0.20	0.062	ppbv	TO-15
Chloromethane [b]	0.64	0.20	0.090	ppbv	TO-15
Dichlorodifluoromethane [a]	0.51	0.20	0.032	ppbv	TO-15
Ethanol [a]	19.6	0.50	0.39	ppbv	TO-15
Ethyl Acetate [a]	10.5	0.20	0.10	ppbv	TO-15
Hexane [a]	0.12 J	0.20	0.11	ppbv	TO-15
Isopropyl Alcohol [a]	9.4	0.20	0.14	ppbv	TO-15
Methylene chloride [a]	0.29	0.20	0.056	ppbv	TO-15
Tertiary Butyl Alcohol [a]	0.10 J	0.20	0.093	ppbv	TO-15
Toluene [a]	0.40	0.20	0.057	ppbv	TO-15
Trichlorofluoromethane [a]	0.25	0.10	0.036	ppbv	TO-15
m,p-Xylene [a]	0.16 J	0.20	0.14	ppbv	TO-15
Xylenes (total) [a]	0.16 J	0.20	0.077	ppbv	TO-15
Acetone (2-Propanone) [a]	9.5	0.48	0.36	ug/m3	TO-15
Benzene [a]	0.61 J	0.64	0.20	ug/m3	TO-15
Chloromethane [b]	1.3	0.41	0.19	ug/m3	TO-15
Dichlorodifluoromethane [a]	2.5	0.99	0.16	ug/m3	TO-15
Ethanol [a]	36.9	0.94	0.73	ug/m3	TO-15
Ethyl Acetate [a]	37.8	0.72	0.36	ug/m3	TO-15

Summary of Hits

Job Number: JD41994
Account: SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Collected: 03/24/22

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Hexane [a]		0.42 J	0.70	0.39	ug/m3	TO-15
Isopropyl Alcohol [a]		23	0.49	0.34	ug/m3	TO-15
Methylene chloride [a]		1.0	0.69	0.19	ug/m3	TO-15
Tertiary Butyl Alcohol [a]		0.30 J	0.61	0.28	ug/m3	TO-15
Toluene [a]		1.5	0.75	0.21	ug/m3	TO-15
Trichlorofluoromethane [a]		1.4	0.56	0.20	ug/m3	TO-15
m,p-Xylene [a]		0.69 J	0.87	0.61	ug/m3	TO-15
Xylenes (total) [a]		0.69 J	0.87	0.33	ug/m3	TO-15
JD41994-10	**IA-KIOSK**					
Acetone (2-Propanone)		2.8	0.16	0.12	ppbv	TO-15
Benzene		0.14 J	0.16	0.050	ppbv	TO-15
Chloromethane [c]		0.58	0.16	0.072	ppbv	TO-15
Dichlorodifluoromethane		0.53	0.16	0.026	ppbv	TO-15
Ethanol		6.3	0.40	0.32	ppbv	TO-15
Ethyl Acetate		2.5	0.16	0.083	ppbv	TO-15
Isopropyl Alcohol		0.76	0.16	0.11	ppbv	TO-15
Methylene chloride		0.20	0.16	0.045	ppbv	TO-15
Trichlorofluoromethane		0.28	0.080	0.029	ppbv	TO-15
Acetone (2-Propanone)		6.7	0.38	0.29	ug/m3	TO-15
Benzene		0.45 J	0.51	0.16	ug/m3	TO-15
Chloromethane [c]		1.2	0.33	0.15	ug/m3	TO-15
Dichlorodifluoromethane		2.6	0.79	0.13	ug/m3	TO-15
Ethanol		12	0.75	0.60	ug/m3	TO-15
Ethyl Acetate		9.0	0.58	0.30	ug/m3	TO-15
Isopropyl Alcohol		1.9	0.39	0.27	ug/m3	TO-15
Methylene chloride		0.69	0.56	0.16	ug/m3	TO-15
Trichlorofluoromethane		1.6	0.45	0.16	ug/m3	TO-15

(a) Sample analyzed outside the holding time.
(b) Sample analyzed outside the holding time. This compound in blank spike is outside in house QC limits bias low.
(c) This compound in blank spike is outside in house QC limits bias low.

Sample Results

Report of Analysis

SGS North America Inc.

Report of Analysis

Client Sample ID: SS-WATER METER ROOM
Lab Sample ID: JD41994-1
Matrix: AIR - Soil Vapor Comp. Summa ID: A765
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W49472.D	1	04/24/22 00:39	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	5.4	0.20	0.15	ppbv		13	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.54	0.20	0.062	ppbv		1.7	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.38	0.20	0.045	ppbv		1.2	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane [b]	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.18	0.20	0.037	ppbv	J	0.88	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane [b]	0.74	0.20	0.090	ppbv		1.5	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	0.19	0.20	0.11	ppbv	J	0.65	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.52	0.20	0.032	ppbv		2.6	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.10	0.10	0.040	ppbv		0.60	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene [c]	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene [d]	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-WATER METER ROOM		
Lab Sample ID:	JD41994-1	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: A765	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	39.5	0.50	0.39	ppbv		74.4	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.24	0.20	0.061	ppbv		1.0	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	3.0	0.20	0.10	ppbv		11	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.35	0.20	0.095	ppbv		1.7	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	0.19	0.20	0.092	ppbv	J	0.78	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.32	0.20	0.11	ppbv		1.1	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	30.0	0.20	0.14	ppbv		73.7	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.056	ppbv		0.76	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.9	0.20	0.11	ppbv		5.6	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.41	0.20	0.073	ppbv		1.7	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene [b]	1.6	0.50	0.14	ppbv		2.7	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [d]	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.44	0.20	0.087	ppbv		2.2	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.11	0.20	0.080	ppbv	J	0.54	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.19	0.20	0.095	ppbv	J	0.89	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.37	0.20	0.093	ppbv		1.1	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.14	0.040	0.014	ppbv		0.95	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	1.4	0.20	0.057	ppbv		5.3	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.10	0.036	ppbv		1.5	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	0.86	0.20	0.14	ppbv		3.7	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.32	0.20	0.077	ppbv		1.4	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	1.2	0.20	0.077	ppbv		5.2	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	80%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-WATER METER ROOM		
Lab Sample ID:	JD41994-1	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: A765	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Sample analyzed outside the holding time.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-WATER METER ROOM		
Lab Sample ID:	JD41994-2	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A669	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W49466.D	1	04/23/22 19:23	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	2.0	0.16	0.12	ppbv		4.8	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene [a]	0.15	0.16	0.067	ppbv	J	0.33	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	1.2	0.16	0.050	ppbv		3.8	0.51	0.16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform [b]	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane [a]	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane [a]	0.45	0.16	0.072	ppbv		0.93	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.18	0.16	0.088	ppbv		0.62	0.55	0.30	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.078	ppbv		ND	0.61	0.60	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.094	ppbv		ND	0.58	0.34	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.42	0.16	0.026	ppbv		2.1	0.79	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.055	ppbv		ND	0.63	0.22	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.062	ppbv		ND	0.13	0.25	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.032	ppbv		ND	0.48	0.19	ug/m3
95-50-1	147	o-Dichlorobenzene [b]	ND	0.032	0.12	ppbv		ND	0.19	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene [c]	ND	0.080	0.15	ppbv		ND	0.48	0.90	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IA-WATER METER ROOM
Lab Sample ID: JD41994-2
Matrix: AIR - Indoor Air Comp. Summa ID: A669
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	9.8	0.40	0.32	ppbv		18	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.29	0.16	0.049	ppbv		1.3	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	5.5	0.16	0.083	ppbv		20	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.22	0.16	0.076	ppbv		1.1	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	0.21	0.16	0.074	ppbv		0.86	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.32	0.16	0.090	ppbv		1.1	0.56	0.32	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.3	0.16	0.11	ppbv		3.2	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.18	0.16	0.045	ppbv		0.63	0.56	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.24	0.16	0.088	ppbv		0.71	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.17	0.16	0.058	ppbv		0.70	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene [a]	2.5	0.40	0.11	ppbv		4.3	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.094	ppbv		ND	0.68	0.40	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.14	0.16	0.070	ppbv	J	0.69	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.32	0.16	0.076	ppbv		1.5	0.75	0.35	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.072	ppbv		ND	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	1.7	0.16	0.046	ppbv		6.4	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.23	0.080	0.029	ppbv		1.3	0.45	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.85	0.16	0.11	ppbv		3.7	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.28	0.16	0.062	ppbv		1.2	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	1.1	0.16	0.062	ppbv		4.8	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	91%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-WATER METER ROOM		
Lab Sample ID:	JD41994-2	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A669	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) This compound in blank spike is outside in house QC limits bias low.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID: SS-BIKE STORAGE
Lab Sample ID: JD41994-3
Matrix: AIR - Soil Vapor Comp. Summa ID: M133
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W49473.D	1	04/24/22 01:31	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	6.1	0.20	0.15	ppbv		14	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	0.51	0.20	0.084	ppbv		1.1	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	2.1	0.20	0.062	ppbv		6.7	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane [b]	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.10	0.20	0.037	ppbv	J	0.49	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane [b]	0.66	0.20	0.090	ppbv		1.4	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	0.56	0.20	0.11	ppbv		1.9	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	0.20	0.032	ppbv		2.6	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene [c]	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene [d]	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-BIKE STORAGE
Lab Sample ID: JD41994-3
Matrix: AIR - Soil Vapor Comp. Summa ID: M133
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	66.9	0.50	0.39	ppbv	E	126	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.54	0.20	0.061	ppbv		2.3	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	2.5	0.20	0.10	ppbv		9.0	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.46	0.20	0.095	ppbv		2.3	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	0.53	0.20	0.092	ppbv		2.2	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	1.1	0.20	0.11	ppbv		3.9	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	30.2	0.20	0.14	ppbv		74.2	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.056	ppbv		0.76	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	1.7	0.20	0.11	ppbv		5.0	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.54	0.20	0.073	ppbv		2.2	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene [b]	7.2	0.50	0.14	ppbv		12	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [d]	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.48	0.20	0.087	ppbv		2.4	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.15	0.20	0.080	ppbv	J	0.74	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.85	0.20	0.095	ppbv		4.0	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.33	0.20	0.093	ppbv		1.0	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.056	0.040	0.014	ppbv		0.38	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	3.8	0.20	0.057	ppbv		14	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.27	0.10	0.036	ppbv		1.5	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	1.8	0.20	0.14	ppbv		7.8	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.61	0.20	0.077	ppbv		2.6	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	2.4	0.20	0.077	ppbv		10	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	86%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-BIKE STORAGE		
Lab Sample ID:	JD41994-3	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: M133	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Sample analyzed outside the holding time.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-BIKE STORAGE		
Lab Sample ID:	JD41994-4	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: M279	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W49468.D	1	04/23/22 21:10	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	6.6	0.16	0.12	ppbv		16	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene [a]	0.44	0.16	0.067	ppbv		0.97	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	2.8	0.16	0.050	ppbv		8.9	0.51	0.16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform [b]	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane [a]	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane [a]	0.52	0.16	0.072	ppbv		1.1	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	0.55	0.16	0.088	ppbv		1.9	0.55	0.30	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.078	ppbv		ND	0.61	0.60	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.094	ppbv		ND	0.58	0.34	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.46	0.16	0.026	ppbv		2.3	0.79	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.055	ppbv		ND	0.63	0.22	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.062	ppbv		ND	0.13	0.25	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.032	ppbv		ND	0.48	0.19	ug/m3
95-50-1	147	o-Dichlorobenzene [b]	ND	0.032	0.12	ppbv		ND	0.19	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene [c]	ND	0.080	0.15	ppbv		ND	0.48	0.90	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IA-BIKE STORAGE
Lab Sample ID: JD41994-4
Matrix: AIR - Indoor Air Comp. Summa ID: M279
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	32.2	0.40	0.32	ppbv		60.7	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.77	0.16	0.049	ppbv		3.3	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	3.4	0.16	0.083	ppbv		12	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.55	0.16	0.076	ppbv		2.7	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	0.68	0.16	0.074	ppbv		2.8	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	1.0	0.16	0.090	ppbv		3.5	0.56	0.32	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	1.9	0.16	0.11	ppbv		4.7	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.30	0.16	0.045	ppbv		1.0	0.56	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.73	0.16	0.088	ppbv		2.2	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.36	0.16	0.058	ppbv		1.5	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene [a]	1.8	0.40	0.11	ppbv		3.1	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	0.10	0.16	0.094	ppbv	J	0.43	0.68	0.40	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.52	0.16	0.070	ppbv		2.6	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.16	0.16	0.064	ppbv		0.79	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	1.2	0.16	0.076	ppbv		5.6	0.75	0.35	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.47	0.16	0.074	ppbv		1.4	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.072	ppbv		ND	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	4.7	0.16	0.046	ppbv		18	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.26	0.080	0.029	ppbv		1.5	0.45	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	2.4	0.16	0.11	ppbv		10	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.82	0.16	0.062	ppbv		3.6	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	3.2	0.16	0.062	ppbv		14	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	92%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-BIKE STORAGE		
Lab Sample ID:	JD41994-4	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: M279	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) This compound in blank spike is outside in house QC limits bias low.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-RES. STORAGE ROOM		
Lab Sample ID:	JD41994-5	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: A887	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W49474.D	1	04/24/22 02:22	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	9.0	0.20	0.15	ppbv		21	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.45	0.20	0.062	ppbv		1.4	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.12	0.20	0.045	ppbv	J	0.37	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane [b]	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.14	0.20	0.037	ppbv	J	0.68	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane [b]	0.73	0.20	0.090	ppbv		1.5	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	0.16	0.20	0.11	ppbv	J	0.55	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.52	0.20	0.032	ppbv		2.6	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	0.067	0.10	0.040	ppbv	J	0.40	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene [c]	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene [d]	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-RES. STORAGE ROOM
Lab Sample ID: JD41994-5
Matrix: AIR - Soil Vapor Comp. Summa ID: A887
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	82.9	0.50	0.39	ppbv	E	156	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.19	0.20	0.061	ppbv	J	0.83	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	3.6	0.20	0.10	ppbv		13	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.30	0.20	0.095	ppbv		1.5	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.20	0.20	0.11	ppbv		0.70	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	45.2	0.20	0.14	ppbv		111	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.22	0.20	0.056	ppbv		0.76	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.5	0.20	0.11	ppbv		7.4	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene [b]	1.1	0.50	0.14	ppbv		1.9	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [d]	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.40	0.20	0.087	ppbv		2.0	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.12	0.20	0.080	ppbv	J	0.59	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.22	0.20	0.095	ppbv		1.0	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.61	0.20	0.093	ppbv		1.8	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.15	0.040	0.014	ppbv		1.0	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	1.2	0.20	0.057	ppbv		4.5	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.052	0.040	0.019	ppbv		0.28	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.28	0.10	0.036	ppbv		1.6	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	0.69	0.20	0.14	ppbv		3.0	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.29	0.20	0.077	ppbv		1.3	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	0.97	0.20	0.077	ppbv		4.2	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	82%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-RES. STORAGE ROOM		
Lab Sample ID:	JD41994-5	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: A887	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Sample analyzed outside the holding time.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-FORMER SUPERINTENDENT OFFICE		
Lab Sample ID:	JD41994-6	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A307	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W49469.D	1	04/23/22 22:03	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	3.8	0.16	0.12	ppbv		9.0	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene [a]	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.39	0.16	0.050	ppbv		1.2	0.51	0.16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform [b]	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane [a]	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane [a]	0.47	0.16	0.072	ppbv		0.97	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.088	0.032	0.032	ppbv		0.55	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.088	ppbv		ND	0.55	0.30	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.078	ppbv		ND	0.61	0.60	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.094	ppbv		ND	0.58	0.34	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.47	0.16	0.026	ppbv		2.3	0.79	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.055	ppbv		ND	0.63	0.22	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.062	ppbv		ND	0.13	0.25	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.032	ppbv		ND	0.48	0.19	ug/m3
95-50-1	147	o-Dichlorobenzene [b]	ND	0.032	0.12	ppbv		ND	0.19	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene [c]	ND	0.080	0.15	ppbv		ND	0.48	0.90	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IA-FORMER SUPERINTENDENT OFFICE
Lab Sample ID: JD41994-6
Matrix: AIR - Indoor Air Comp. Summa ID: A307
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	222	0.40	0.32	ppbv	E	418	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	0.099	0.16	0.049	ppbv	J	0.43	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	11.6	0.16	0.083	ppbv		41.8	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	0.084	0.16	0.074	ppbv	J	0.34	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	0.27	0.16	0.090	ppbv		0.95	0.56	0.32	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	9.2	0.16	0.11	ppbv		23	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.62	0.16	0.045	ppbv		2.2	0.56	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	0.31	0.16	0.088	ppbv		0.91	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene [a]	0.77	0.40	0.11	ppbv		1.3	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.094	ppbv		ND	0.68	0.40	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	0.070	ppbv		ND	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.11	0.16	0.076	ppbv	J	0.51	0.75	0.35	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.18	0.16	0.074	ppbv		0.55	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.072	ppbv		ND	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	0.60	0.16	0.046	ppbv		2.3	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.30	0.080	0.029	ppbv		1.7	0.45	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	0.37	0.16	0.11	ppbv		1.6	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	0.13	0.16	0.062	ppbv	J	0.56	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	0.49	0.16	0.062	ppbv		2.1	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-FORMER SUPERINTENDENT OFFICE		
Lab Sample ID:	JD41994-6	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A307	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) This compound in blank spike is outside in house QC limits bias low.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-RESTAURANT		
Lab Sample ID:	JD41994-7	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: M128	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W49475.D	1	04/24/22 03:14	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	7.7	0.20	0.15	ppbv		18	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.20	0.20	0.062	ppbv		0.64	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	0.21	0.20	0.045	ppbv		0.65	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane [b]	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	0.57	0.20	0.037	ppbv		2.8	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane [b]	1.0	0.20	0.090	ppbv		2.1	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	0.17	0.20	0.11	ppbv	J	0.59	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.54	0.20	0.032	ppbv		2.7	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene [c]	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene [d]	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-RESTAURANT
Lab Sample ID: JD41994-7
Matrix: AIR - Soil Vapor Comp. Summa ID: M128
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	106	0.50	0.39	ppbv	E	200	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	0.19	0.20	0.061	ppbv	J	0.83	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	4.3	0.20	0.10	ppbv		15	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	0.35	0.20	0.095	ppbv		1.7	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	0.11	0.20	0.092	ppbv	J	0.45	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.17	0.20	0.11	ppbv	J	0.60	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	0.47	0.20	0.15	ppbv		1.9	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	33.6	0.20	0.14	ppbv		82.6	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.20	0.056	ppbv		0.69	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	2.2	0.20	0.11	ppbv		6.5	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	0.55	0.20	0.073	ppbv		2.3	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene [b]	0.35	0.50	0.14	ppbv	J	0.60	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [d]	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	0.45	0.20	0.087	ppbv		2.2	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	0.13	0.20	0.080	ppbv	J	0.64	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	0.24	0.20	0.095	ppbv		1.1	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.53	0.20	0.093	ppbv		1.6	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	0.22	0.040	0.014	ppbv		1.5	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	0.13	0.20	0.090	ppbv	J	0.38	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.97	0.20	0.057	ppbv		3.7	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	0.092	0.040	0.019	ppbv		0.49	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.30	0.10	0.036	ppbv		1.7	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	0.65	0.20	0.14	ppbv		2.8	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	0.31	0.20	0.077	ppbv		1.3	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	0.96	0.20	0.077	ppbv		4.2	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	78%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-RESTAURANT		
Lab Sample ID:	JD41994-7	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: M128	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Sample analyzed outside the holding time.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-RESTAURANT		
Lab Sample ID:	JD41994-8	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A874	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W49470.D	1	04/23/22 22:56	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	3.7	0.16	0.12	ppbv		8.8	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene [a]	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.13	0.16	0.050	ppbv	J	0.42	0.51	0.16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform [b]	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	0.14	0.16	0.036	ppbv	J	0.44	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane [a]	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	0.93	0.16	0.030	ppbv		4.5	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane [a]	0.53	0.16	0.072	ppbv		1.1	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	0.077	0.032	0.032	ppbv		0.48	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.088	ppbv		ND	0.55	0.30	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.078	ppbv		ND	0.61	0.60	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.094	ppbv		ND	0.58	0.34	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.49	0.16	0.026	ppbv		2.4	0.79	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.055	ppbv		ND	0.63	0.22	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.062	ppbv		ND	0.13	0.25	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.032	ppbv		ND	0.48	0.19	ug/m3
95-50-1	147	o-Dichlorobenzene [b]	ND	0.032	0.12	ppbv		ND	0.19	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene [c]	ND	0.080	0.15	ppbv		ND	0.48	0.90	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IA-RESTAURANT
Lab Sample ID: JD41994-8
Matrix: AIR - Indoor Air Comp. Summa ID: A874
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	362	0.40	0.32	ppbv	E	682	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	0.049	ppbv		ND	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	1.7	0.16	0.083	ppbv		6.1	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.074	ppbv		ND	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	9.4	0.16	0.11	ppbv		23	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.21	0.16	0.045	ppbv		0.73	0.56	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.16	0.088	ppbv		ND	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene [a]	2.8	0.40	0.11	ppbv		4.8	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.094	ppbv		ND	0.68	0.40	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	0.070	ppbv		ND	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.16	0.076	ppbv		ND	0.75	0.35	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.072	ppbv		ND	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	0.13	0.16	0.046	ppbv	J	0.49	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.080	0.029	ppbv		1.4	0.45	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	ND	0.16	0.11	ppbv		ND	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	0.062	ppbv		ND	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.16	0.062	ppbv		ND	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	90%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-RESTAURANT		
Lab Sample ID:	JD41994-8	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A874	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) This compound in blank spike is outside in house QC limits bias low.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	SS-KIOSK		
Lab Sample ID:	JD41994-9	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: M109	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	5W49476.D	1	04/24/22 04:05	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	400 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	4.0	0.20	0.15	ppbv		9.5	0.48	0.36	ug/m3
106-99-0	54.09	1,3-Butadiene [b]	ND	0.20	0.084	ppbv		ND	0.44	0.19	ug/m3
71-43-2	78.11	Benzene	0.19	0.20	0.062	ppbv	J	0.61	0.64	0.20	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.10	0.030	ppbv		ND	0.67	0.20	ug/m3
75-25-2	252.8	Bromoform [c]	ND	0.040	0.071	ppbv		ND	0.41	0.73	ug/m3
74-83-9	94.94	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	0.27	ug/m3
593-60-2	106.9	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	0.27	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	0.67	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	0.14	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	0.34	ug/m3
75-00-3	64.52	Chloroethane [b]	ND	0.20	0.068	ppbv		ND	0.53	0.18	ug/m3
67-66-3	119.4	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	0.18	ug/m3
74-87-3	50.49	Chloromethane [b]	0.64	0.20	0.090	ppbv		1.3	0.41	0.19	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	0.26	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	0.37	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.040	0.040	ppbv		ND	0.25	0.25	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	0.38	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	0.23	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.040	0.059	ppbv		ND	0.16	0.23	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.10	0.097	ppbv		ND	0.77	0.75	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	0.28	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	0.29	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	0.43	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.51	0.20	0.032	ppbv		2.5	0.99	0.16	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.10	0.052	ppbv		ND	0.85	0.44	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	0.27	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.040	0.077	ppbv		ND	0.16	0.31	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	0.28	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.10	0.040	ppbv		ND	0.60	0.24	ug/m3
95-50-1	147	o-Dichlorobenzene [c]	ND	0.040	0.15	ppbv		ND	0.24	0.90	ug/m3
106-46-7	147	p-Dichlorobenzene [d]	ND	0.10	0.19	ppbv		ND	0.60	1.1	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	0.45	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: SS-KIOSK
Lab Sample ID: JD41994-9
Matrix: AIR - Soil Vapor Comp. Summa ID: M109
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	19.6	0.50	0.39	ppbv		36.9	0.94	0.73	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	0.26	ug/m3
141-78-6	88	Ethyl Acetate	10.5	0.20	0.10	ppbv		37.8	0.72	0.36	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	0.47	ug/m3
76-13-1	187.4	Freon 113	ND	0.10	0.031	ppbv		ND	0.77	0.24	ug/m3
76-14-2	170.9	Freon 114	ND	0.10	0.050	ppbv		ND	0.70	0.35	ug/m3
142-82-5	100.2	Heptane	ND	0.20	0.092	ppbv		ND	0.82	0.38	ug/m3
87-68-3	260.8	Hexachlorobutadiene [c]	ND	0.090	0.062	ppbv		ND	0.96	0.66	ug/m3
110-54-3	86.18	Hexane	0.12	0.20	0.11	ppbv	J	0.42	0.70	0.39	ug/m3
591-78-6	100	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	0.61	ug/m3
67-63-0	60.1	Isopropyl Alcohol	9.4	0.20	0.14	ppbv		23	0.49	0.34	ug/m3
75-09-2	84.94	Methylene chloride	0.29	0.20	0.056	ppbv		1.0	0.69	0.19	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	0.32	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	0.30	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	0.29	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	0.29	ug/m3
115-07-1	42	Propylene [b]	ND	0.50	0.14	ppbv		ND	0.86	0.24	ug/m3
100-42-5	104.1	Styrene	ND	0.20	0.12	ppbv		ND	0.85	0.51	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.10	0.037	ppbv		ND	0.55	0.20	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.10	0.048	ppbv		ND	0.69	0.33	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.10	0.038	ppbv		ND	0.55	0.21	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [d]	ND	0.10	0.12	ppbv		ND	0.74	0.89	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	0.43	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	0.39	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	0.44	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	0.10	0.20	0.093	ppbv	J	0.30	0.61	0.28	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	0.095	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	0.27	ug/m3
108-88-3	92.14	Toluene	0.40	0.20	0.057	ppbv		1.5	0.75	0.21	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	0.10	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.25	0.10	0.036	ppbv		1.4	0.56	0.20	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.040	0.069	ppbv		ND	0.10	0.18	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	0.39	ug/m3
	106.2	m,p-Xylene	0.16	0.20	0.14	ppbv	J	0.69	0.87	0.61	ug/m3
95-47-6	106.2	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	0.33	ug/m3
1330-20-7	106.2	Xylenes (total)	0.16	0.20	0.077	ppbv	J	0.69	0.87	0.33	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	88%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SS-KIOSK		
Lab Sample ID:	JD41994-9	**Date Sampled:**	03/24/22
Matrix:	AIR - Soil Vapor Comp. Summa ID: M109	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) Sample analyzed outside the holding time.
(b) This compound in blank spike is outside in house QC limits bias low.
(c) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(d) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

SGS North America Inc.

Report of Analysis

Client Sample ID:	IA-KIOSK		
Lab Sample ID:	JD41994-10	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A1095	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	5W49471.D	1	04/23/22 23:48	TCH	n/a	n/a	V5W2045
Run #2							

	Initial Volume
Run #1	500 ml
Run #2	

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
67-64-1	58.08	Acetone (2-Propanone)	2.8	0.16	0.12	ppbv		6.7	0.38	0.29	ug/m3
106-99-0	54.09	1,3-Butadiene [a]	ND	0.16	0.067	ppbv		ND	0.35	0.15	ug/m3
71-43-2	78.11	Benzene	0.14	0.16	0.050	ppbv	J	0.45	0.51	0.16	ug/m3
75-27-4	163.8	Bromodichloromethane	ND	0.080	0.024	ppbv		ND	0.54	0.16	ug/m3
75-25-2	252.8	Bromoform [b]	ND	0.032	0.057	ppbv		ND	0.33	0.59	ug/m3
74-83-9	94.94	Bromomethane	ND	0.16	0.055	ppbv		ND	0.62	0.21	ug/m3
593-60-2	106.9	Bromoethene	ND	0.16	0.049	ppbv		ND	0.70	0.21	ug/m3
100-44-7	126	Benzyl Chloride	ND	0.16	0.10	ppbv		ND	0.82	0.52	ug/m3
75-15-0	76.14	Carbon disulfide	ND	0.16	0.036	ppbv		ND	0.50	0.11	ug/m3
108-90-7	112.6	Chlorobenzene	ND	0.16	0.059	ppbv		ND	0.74	0.27	ug/m3
75-00-3	64.52	Chloroethane [a]	ND	0.16	0.054	ppbv		ND	0.42	0.14	ug/m3
67-66-3	119.4	Chloroform	ND	0.16	0.030	ppbv		ND	0.78	0.15	ug/m3
74-87-3	50.49	Chloromethane [a]	0.58	0.16	0.072	ppbv		1.2	0.33	0.15	ug/m3
107-05-1	76.53	3-Chloropropene	ND	0.16	0.066	ppbv		ND	0.50	0.21	ug/m3
95-49-8	126.6	2-Chlorotoluene	ND	0.16	0.058	ppbv		ND	0.83	0.30	ug/m3
56-23-5	153.8	Carbon tetrachloride	ND	0.032	0.032	ppbv		ND	0.20	0.20	ug/m3
110-82-7	84.16	Cyclohexane	ND	0.16	0.088	ppbv		ND	0.55	0.30	ug/m3
75-34-3	98.96	1,1-Dichloroethane	ND	0.16	0.046	ppbv		ND	0.65	0.19	ug/m3
75-35-4	96.94	1,1-Dichloroethylene	ND	0.032	0.047	ppbv		ND	0.13	0.19	ug/m3
106-93-4	187.9	1,2-Dibromoethane (EDB)	ND	0.080	0.078	ppbv		ND	0.61	0.60	ug/m3
107-06-2	98.96	1,2-Dichloroethane	ND	0.16	0.056	ppbv		ND	0.65	0.23	ug/m3
78-87-5	113	1,2-Dichloropropane	ND	0.16	0.050	ppbv		ND	0.74	0.23	ug/m3
123-91-1	88.12	1,4-Dioxane	ND	0.16	0.094	ppbv		ND	0.58	0.34	ug/m3
75-71-8	120.9	Dichlorodifluoromethane	0.53	0.16	0.026	ppbv		2.6	0.79	0.13	ug/m3
124-48-1	208.3	Dibromochloromethane	ND	0.080	0.042	ppbv		ND	0.68	0.36	ug/m3
156-60-5	96.94	trans-1,2-Dichloroethylene	ND	0.16	0.055	ppbv		ND	0.63	0.22	ug/m3
156-59-2	96.94	cis-1,2-Dichloroethylene	ND	0.032	0.062	ppbv		ND	0.13	0.25	ug/m3
10061-01-5	111	cis-1,3-Dichloropropene	ND	0.16	0.050	ppbv		ND	0.73	0.23	ug/m3
541-73-1	147	m-Dichlorobenzene	ND	0.080	0.032	ppbv		ND	0.48	0.19	ug/m3
95-50-1	147	o-Dichlorobenzene [b]	ND	0.032	0.12	ppbv		ND	0.19	0.72	ug/m3
106-46-7	147	p-Dichlorobenzene [c]	ND	0.080	0.15	ppbv		ND	0.48	0.90	ug/m3
10061-02-6	111	trans-1,3-Dichloropropene	ND	0.16	0.081	ppbv		ND	0.73	0.37	ug/m3

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: IA-KIOSK
Lab Sample ID: JD41994-10
Matrix: AIR - Indoor Air Comp. Summa ID: A1095
Method: TO-15
Project: Harbor Square, Ossining, NY

Date Sampled: 03/24/22
Date Received: 03/24/22
Percent Solids: n/a

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units
64-17-5	46.07	Ethanol	6.3	0.40	0.32	ppbv		12	0.75	0.60	ug/m3
100-41-4	106.2	Ethylbenzene	ND	0.16	0.049	ppbv		ND	0.69	0.21	ug/m3
141-78-6	88	Ethyl Acetate	2.5	0.16	0.083	ppbv		9.0	0.58	0.30	ug/m3
622-96-8	120.19	4-Ethyltoluene	ND	0.16	0.076	ppbv		ND	0.79	0.37	ug/m3
76-13-1	187.4	Freon 113	ND	0.080	0.025	ppbv		ND	0.61	0.19	ug/m3
76-14-2	170.9	Freon 114	ND	0.080	0.040	ppbv		ND	0.56	0.28	ug/m3
142-82-5	100.2	Heptane	ND	0.16	0.074	ppbv		ND	0.66	0.30	ug/m3
87-68-3	260.8	Hexachlorobutadiene [b]	ND	0.072	0.050	ppbv		ND	0.77	0.53	ug/m3
110-54-3	86.18	Hexane	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
591-78-6	100	2-Hexanone	ND	0.16	0.12	ppbv		ND	0.65	0.49	ug/m3
67-63-0	60.1	Isopropyl Alcohol	0.76	0.16	0.11	ppbv		1.9	0.39	0.27	ug/m3
75-09-2	84.94	Methylene chloride	0.20	0.16	0.045	ppbv		0.69	0.56	0.16	ug/m3
78-93-3	72.11	Methyl ethyl ketone	ND	0.16	0.088	ppbv		ND	0.47	0.26	ug/m3
108-10-1	100.2	Methyl Isobutyl Ketone	ND	0.16	0.058	ppbv		ND	0.66	0.24	ug/m3
1634-04-4	88.15	Methyl Tert Butyl Ether	ND	0.16	0.064	ppbv		ND	0.58	0.23	ug/m3
80-62-6	100.12	Methylmethacrylate	ND	0.16	0.056	ppbv		ND	0.66	0.23	ug/m3
115-07-1	42	Propylene [a]	ND	0.40	0.11	ppbv		ND	0.69	0.19	ug/m3
100-42-5	104.1	Styrene	ND	0.16	0.094	ppbv		ND	0.68	0.40	ug/m3
71-55-6	133.4	1,1,1-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
79-34-5	167.85	1,1,2,2-Tetrachloroethane	ND	0.080	0.038	ppbv		ND	0.55	0.26	ug/m3
79-00-5	133.4	1,1,2-Trichloroethane	ND	0.080	0.030	ppbv		ND	0.44	0.16	ug/m3
120-82-1	181.5	1,2,4-Trichlorobenzene [c]	ND	0.080	0.097	ppbv		ND	0.59	0.72	ug/m3
95-63-6	120.19	1,2,4-Trimethylbenzene	ND	0.16	0.070	ppbv		ND	0.79	0.34	ug/m3
108-67-8	120.19	1,3,5-Trimethylbenzene	ND	0.16	0.064	ppbv		ND	0.79	0.31	ug/m3
540-84-1	114.2	2,2,4-Trimethylpentane	ND	0.16	0.076	ppbv		ND	0.75	0.35	ug/m3
75-65-0	74.12	Tertiary Butyl Alcohol	ND	0.16	0.074	ppbv		ND	0.49	0.22	ug/m3
127-18-4	165.8	Tetrachloroethylene	ND	0.032	0.011	ppbv		ND	0.22	0.075	ug/m3
109-99-9	72.11	Tetrahydrofuran	ND	0.16	0.072	ppbv		ND	0.47	0.21	ug/m3
108-88-3	92.14	Toluene	ND	0.16	0.046	ppbv		ND	0.60	0.17	ug/m3
79-01-6	131.4	Trichloroethylene	ND	0.032	0.015	ppbv		ND	0.17	0.081	ug/m3
75-69-4	137.4	Trichlorofluoromethane	0.28	0.080	0.029	ppbv		1.6	0.45	0.16	ug/m3
75-01-4	62.5	Vinyl chloride	ND	0.032	0.055	ppbv		ND	0.082	0.14	ug/m3
108-05-4	86	Vinyl Acetate	ND	0.16	0.090	ppbv		ND	0.56	0.32	ug/m3
	106.2	m,p-Xylene	ND	0.16	0.11	ppbv		ND	0.69	0.48	ug/m3
95-47-6	106.2	o-Xylene	ND	0.16	0.062	ppbv		ND	0.69	0.27	ug/m3
1330-20-7	106.2	Xylenes (total)	ND	0.16	0.062	ppbv		ND	0.69	0.27	ug/m3

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	89%		65-128%

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	IA-KIOSK		
Lab Sample ID:	JD41994-10	**Date Sampled:**	03/24/22
Matrix:	AIR - Indoor Air Comp. Summa ID: A1095	**Date Received:**	03/24/22
Method:	TO-15	**Percent Solids:**	n/a
Project:	Harbor Square, Ossining, NY		

VOA TO15 List

CAS No.	MW	Compound	Result	RL	MDL	Units	Q	Result	RL	MDL	Units

(a) This compound in blank spike is outside in house QC limits bias low.
(b) Associated CCV outside of control limits high, sample was ND. This compound in blank spike is outside in house QC limits bias high.
(c) This compound in blank spike is outside in house QC limits bias high.

ND = Not detected MDL = Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Summa Canister and Flow Controller Log
- Sample Tracking Chronicle
- Internal Chain of Custody
- 2021 MDL Study - Method: TO-15

CHAIN OF CUSTODY - AIR

PAGE 1 OF 1

AIR

SGS North America Inc. - Dayton
2235 Route 130, Dayton, NJ 08810
TEL 732-329-0200 FAX 732-329-3499
www.sgs.com/ehsusa

FED-EX Tracking #: PRCM-MJ-031422191
SGS Quote #:
SGS Job #: JD41994

Client / Reporting Information

Company Name: SESI
Address: 12a Maple Ave
City: Pine Brook State: NJ Zip: 07058
Project Contact: Jon Stuart E-mail: JCS@SESI.ORG
Phone #: 973-808-9050
Sampler(s) Name(s): Jack Norgard

Project Information

Project Name: Harbor Square
Street: Harbor Square
City: Ossining State: NY
Project #: 7173:11
Client Purchase Order #:

Weather Parameters

Temperature (Fahrenheit)
Start: room temp Maximum:
Stop: 65-70 Minimum:
Atmoshpheric Pressure (inches of Hg)
Start: 30.2 Maximum:
Stop: 30.2 Minimum:
Other weather comment: Samples located in Buildings

Requested Analysis

TO-15

Lab Sample #	Field ID / Point of Collection	Air Type: Ind (I) Soil Vap (SV) Amb (A)	Air Type: Res (R) Non-Res (NR)	Sampling Equipment Info: Canister Serial #	Sampling Equipment Info: Canister Size 6L or 1L	Sampling Equipment Info: Flow Controller Serial #	Start Sampling Information: Date	Start Sampling Information: Time (24hr clock)	Start Sampling Information: Canister Pressure ("Hg)	Start Sampling Information: Interior Temp (F)	Start Sampling Information: Sampler Init.	Stop Sampling Information: Date	Stop Sampling Information: Time (24hr clock)	Stop Sampling Information: Canister Pressure ("Hg)	Stop Sampling Information: Interior Temp (F)	Stop Sampling Information: Sampler Init.	TO-15
1	SS - Water Meter Room	SV	R	A765	6L	FC862	3-23-22	14:40	-30		JRN	3-24-22	1218	0		JRN	X
2	IA - Water Meter Room	I	R	A669		FC856		14:41	-30				1219	-3			X
3	SS - Bike Storage	SV	R	M133		FC1052		14:49	-29				1236	0			X
4	IA - Bike Storage	I	R	M279		FC1047		14:49	-30				1237	-5			X
5	SS - Bike Res. Storage Room	SV	R	A887		FC982		14:52	-30				1250	0			X
6	IA - Former Superintendent Office	I	R	A307		FC968		15:00	-30				1244	-6			X
7	SS - Restaurant	SV	R	M128		FC973		15:22	-30				1300	-5			X
8	IA - Restaurant	I	R	A874		FC775		15:23	-28				1301	0			X
9	SS - Kiosk	SV	R	M109		FC898		15:50	-29				1311	0			X
10	IA - Kiosk	I	R	A1095	"	FC1044	"	15:51	-30		"	"	1312	-1		"	X

Turnaround Time (Business days)
15 Business Days
10 Business Days
5 Business Days
3 Business Days *
2 Business Days *
1 Business Day *
Other SESI Standard

Initial Assessment reviewed by: HB - 3/24/22
Label Verification Date:
* Approval needed for 1-3 Business Day TAT

Data Deliverable Information
All NJDEP TO-15 is mandatory Full T1
Comm A
Comm B
Reduced T2
Full T1
Other: NY Cat B
DKQP reporting

Comments / Remarks
Sample inventory is verified upon receipt in the Laboratory

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Laboratory:	Date / Time:		Received By:	Relinquished By:	Date / Time:	Received By:
1			1	2	3.24.22 1230	2
Relinquished by: 3	Date / Time:		Received By: 3	Relinquished By: 4	Date / Time:	Received By: 4
Relinquished by: 5	Date / Time:		Received By: 5	Custody Seal #		

http://www.sgs.com/en/terms-and-conditions

EHSA-QAC-0022-01-FORM-Dayton-Air COC
Rev.date:1/15/2021

SGS Sample Receipt Summary

Job Number: JD41994 **Client:** SESI CONSULTING ENGINEERS **Project:** 136 CROTON AVENUE, OSSINING, NY

Date / Time Received: 3/24/2022 5:30:00 PM **Delivery Method:** **Airbill #'s:**

Cooler Temps (Raw Measured) °C:

Cooler Temps (Corrected) °C:

Cooler Security	Y	or	N		Y	or	N
1. Custody Seals Present:	☑		☐	3. COC Present:	☑		☐
2. Custody Seals Intact:	☑		☐	4. Smpl Dates/Time OK	☑		☐

Cooler Temperature	Y	or	N
1. Temp criteria achieved:	☐		☐
2. Cooler temp verification:	N/A		
3. Cooler media:	N/A		
4. No. Coolers:	N/A		

Quality Control Preservation	Y	or	N	N/A
1. Trip Blank present / cooler:	☐		☐	☑
2. Trip Blank listed on COC:	☐		☐	☑
3. Samples preserved properly:	☑		☐	
4. VOCs headspace free:	☐		☐	☑

Sample Integrity - Documentation	Y	or	N
1. Sample labels present on bottles:	☑		☐
2. Container labeling complete:	☑		☐
3. Sample container label / COC agree:	☑		☐

Sample Integrity - Condition	Y	or	N
1. Sample recvd within HT:	☑		☐
2. All containers accounted for:	☑		☐
3. Condition of sample:	Intact		

Sample Integrity - Instructions	Y	or	N	N/A
1. Analysis requested is clear:	☑		☐	
2. Bottles received for unspecified tests	☐		☑	
3. Sufficient volume recvd for analysis:	☑		☐	
4. Compositing instructions clear:	☐		☐	☑
5. Filtering instructions clear:	☐		☐	☑

Test Strip Lot #s: pH 1-12: 231619 pH 12+: 203117A Other: (Specify)

Comments

SM089-03
Rev. Date 12/7/17

JD41994: Chain of Custody
Page 2 of 2

Summa Canister and Flow Controller Log

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Received: 03/24/22

SUMMA CANISTERS

Shipping							Receiving						
Summa ID	L	Vac " Hg	Date Out	By	SCC Batch	SCC FileID	Sample Number	Date In	By	Vac " Hg	Pres psig	Final psig	Dil Fact
A765	6	29.4	03/21/22	MJ	CP11628	2W58399.D	JD41994-1	04/19/22	AB	0			1
A669	6	29.4	03/21/22	MJ	CP11631	6W24540.D	JD41994-2	04/19/22	AB	2.5			1
M133	6	29.4	03/21/22	MJ	CP11631	6W24540.D	JD41994-3	04/01/22	AB		.2		1
M279	6	29.4	03/21/22	MJ	CP11631	6W24540.D	JD41994-4	04/01/22	AB	3.5			1
A887	6	29.4	03/21/22	MJ	CP11628	2W58399.D	JD41994-5	04/04/22	AB	0			1
A307	6	29.4	03/21/22	MJ	CP11628	2W58399.D	JD41994-6	04/19/22	AB	5			1
M128	6	29.4	03/21/22	MJ	CP11631	6W24540.D	JD41994-7	04/19/22	AB	3.5			1
A874	6	29.4	03/21/22	MJ	CP11628	2W58399.D	JD41994-8	04/04/22	AB	0			1
M109	6	29.4	03/21/22	MJ	CP11628	2W58399.D	JD41994-9	04/04/22	AB		4		1
A1095	6	29.4	03/21/22	MJ	CP11631	6W24540.D	JD41994-10	04/04/22	AB		4		1

FLOW CONTROLLERS / OTHER

Shipping					Receiving				
Flow Crtl ID	Date Out	By	cc/ min	Time hrs.	Date In	By	cc/ min	Flow RPD	Equipment Type
FC773	03/21/22	MJ	3.4	24	03/28/22	SG	3.5	2.9	Flow Controller
FC856	03/21/22	MJ	3.5	24	03/28/22	SG	3.6	2.8	Flow Controller
FC862	03/21/22	MJ	3.5	24	03/28/22	SG	3.6	2.8	Flow Controller
FC898	03/21/22	MJ	3.5	24	03/28/22	SG	3.6	2.8	Flow Controller
FC968	03/21/22	MJ	3.5	24	03/28/22	SG	3.5	0	Flow Controller
FC973	03/21/22	MJ	3.5	24	03/28/22	SG	3.7	5.6	Flow Controller
FC982	03/21/22	MJ	3.5	24	03/31/22	AB	3.9	10.8	Flow Controller
FC1044	03/21/22	MJ	3.5	24	03/28/22	SG	3.6	2.8	Flow Controller
FC1047	03/21/22	MJ	3.4	24	04/04/22	AB	3.7	8.5	Flow Controller
FC1052	03/21/22	MJ	3.4	24	04/04/22	AB	4.1	18.7	Flow Controller

SGS Bottle Order(s):
PREM-MJ-031422-191

Prep Date	Room Temp(F)	Bar Pres "Hg
03/21/22	70	29.92

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD41994

Harbor Square, Ossining, NY
Project No: 7173:11

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD41994-1 Collected: 24-MAR-22 12:18 By: JN SS-WATER METER ROOM				Received: 24-MAR-22	By: TS	
JD41994-1	TO-15	24-APR-22 00:39	TCH			VTO15NYSVLL
JD41994-2 Collected: 24-MAR-22 12:19 By: JN IA-WATER METER ROOM				Received: 24-MAR-22	By: TS	
JD41994-2	TO-15	23-APR-22 19:23	TCH			VTO15NYLL
JD41994-3 Collected: 24-MAR-22 12:36 By: JN SS-BIKE STORAGE				Received: 24-MAR-22	By: TS	
JD41994-3	TO-15	24-APR-22 01:31	TCH			VTO15NYSVLL
JD41994-4 Collected: 24-MAR-22 12:37 By: JN IA-BIKE STORAGE				Received: 24-MAR-22	By: TS	
JD41994-4	TO-15	23-APR-22 21:10	TCH			VTO15NYLL
JD41994-5 Collected: 24-MAR-22 12:50 By: JN SS-RES. STORAGE ROOM				Received: 24-MAR-22	By: TS	
JD41994-5	TO-15	24-APR-22 02:22	TCH			VTO15NYSVLL
JD41994-6 Collected: 24-MAR-22 12:44 By: JN IA-FORMER SUPERINTENDENT OFFICE				Received: 24-MAR-22	By: TS	
JD41994-6	TO-15	23-APR-22 22:03	TCH			VTO15NYLL
JD41994-7 Collected: 24-MAR-22 13:00 By: JN SS-RESTAURANT				Received: 24-MAR-22	By: TS	
JD41994-7	TO-15	24-APR-22 03:14	TCH			VTO15NYSVLL
JD41994-8 Collected: 24-MAR-22 13:01 By: JN IA-RESTAURANT				Received: 24-MAR-22	By: TS	
JD41994-8	TO-15	23-APR-22 22:56	TCH			VTO15NYLL

Internal Sample Tracking Chronicle

SESI Consulting Engineers

Job No: JD41994

Harbor Square, Ossining, NY
Project No: 7173:11

Sample Number	Method	Analyzed	By	Prepped	By	Test Codes
JD41994-9 SS-KIOSK	Collected: 24-MAR-22 13:11 By: JN		Received: 24-MAR-22 By: TS			
JD41994-9	TO-15	24-APR-22 04:05	TCH			VTO15NYSVLL
JD41994-10 IA-KIOSK	Collected: 24-MAR-22 13:12 By: JN		Received: 24-MAR-22 By: TS			
JD41994-10	TO-15	23-APR-22 23:48	TCH			VTO15NYLL

SGS Internal Chain of Custody

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY
Received: 03/24/22

Sample.Bottle Number	Transfer FROM	Transfer TO	Date/Time	Reason
JD41994-1.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-1.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-2.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-2.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-3.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-3.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-4.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-4.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-5.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-5.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-6.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-6.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-7.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-7.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-8.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-8.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-9.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-9.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-10.1	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage
JD41994-10.2	Aleandi Rodriguez	Secured Storage	03/25/22 22:53	Return to Storage

SGS North America Inc.-Dayton laboratory
TO-15 FINAL MDL for 2020-2021

METHOD	RI	LOGINNUM	SPEC_MAT	SAMPLENUM	CLIENTID	MEASUREDATE	INSTRUME	PARM_STO	PARM_SYN	FINAL MDL	RDLVALUE	COMMENT	UNITS
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	120-82-1	1,2,4-Trichlorobenzene	0.121	0.2	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	541-73-1	m-Dichlorobenzene	0.04	0.2	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	91-20-3	Naphthalene	0.127	0.2	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	127-18-4	Tetrachloroethylene	0.014	0.04	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-4D	MDLV : 0.04 PPBV 2W	12/30/21 4:00	GCMS2W	79-01-6	Trichloroethylene	0.019	0.04	2W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	630-20-6	1,1,1,2-Tetrachloroethane	0.042	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	71-55-6	1,1,1-Trichloroethane	0.037	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	79-34-5	1,1,2,2-Tetrachloroethane	0.048	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	79-00-5	1,1,2-Trichloroethane	0.038	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-34-3	1,1-Dichloroethane	0.057	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-35-4	1,1-Dichloroethylene	0.059	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	96-18-4	1,2,3-Trichloropropane	0.05	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	526-73-8	1,2,3-Trimethylbenzene	0.099	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	95-63-6	1,2,4-Trimethylbenzene	0.087	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	106-93-4	1,2-Dibromoethane (EDB)	0.097	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	107-06-2	1,2-Dichloroethane	0.07	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	78-87-5	1,2-Dichloropropane	0.062	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-67-8	1,3,5-Trimethylbenzene	0.062	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	106-99-0	1,3-Butadiene	0.084	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	142-28-9	1,3-Dichloropropane	0.057	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	123-91-1	1,4-Dioxane	0.117	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	540-84-1	2,2,4-Trimethylpentane	0.095	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	565-59-3	2,3-Dimethylpentane	0.089	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-08-7	2,4-Dimethylpentane	0.104	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	95-49-8	2-Chlorotoluene	0.072	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	591-78-6	2-Hexanone	0.145	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	107-05-1	3-Chloropropene	0.083	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	622-96-8	4-Ethyltoluene	0.095	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	67-64-1	Acetone (2-Propanone)	0.145	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-05-8	Acetonitrile	0.171	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	107-02-8	Acrolein	0.0883	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	107-13-1	Acrylonitrile	0.091	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	71-43-2	Benzene	0.062	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	100-44-7	Benzyl Chloride	0.125	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-86-1	Bromobenzene	0.154	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-27-4	Bromodichloromethane	0.03	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	593-60-2	Bromoethene	0.061	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-25-2	Bromoform	0.071	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	74-83-9	Bromomethane	0.069	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-15-0	Carbon disulfide	0.045	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	56-23-5	Carbon tetrachloride	0.04	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-90-7	Chlorobenzene	0.074	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-45-6	Chlorodifluoromethane	0.106	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-00-3	Chloroethane	0.068	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	67-66-3	Chloroform	0.037	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	74-87-3	Chloromethane	0.09	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	79-38-9	Chlorotrifluoroethene	0.024	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	156-59-2	cis-1,2-Dichloroethylene	0.077	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	10061-01-5	cis-1,3-Dichloropropene	0.062	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	110-82-7	Cyclohexane	0.11	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	124-48-1	Dibromochloromethane	0.052	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	74-95-3	Dibromomethane	0.053	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-71-8	Dichlorodifluoromethane	0.032	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	75-43-4	Dichlorofluoromethane	0.066	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	108-20-3	Di-isopropyl ether	0.082	0.2	5W Q-4	I ppbv
TO-15		JD18443D	STYA	JD18443D-2F	MDLV : 0.2 PPBV 5W	12/30/21 5:36	GCMS5W	64-17-5	Ethanol	0.394	0.5	5W Q-4	I ppbv

TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	141-78-6	Ethyl Acetate	0.104	0.2	5W	Q-4	I	ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	140-88-5	Ethyl Acrylate	0.105	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	100-41-4	Ethylbenzene	0.061	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	76-13-1	Freon 113	0.031	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	76-14-2	Freon 114	0.05	0.2	5W	Q-4		ppbv
TO-15	JD18443B	STYA	JD18443B-1F	MDLV : 0.2	PPBV	3W	4/27/21	5:01	GCMS3W	76-15-3	Freon 115	0.0077	0.2	3W	Q-2		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	306-83-2	Freon 123	0.083	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	354-23-4	Freon 123A	0.068	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-68-3	Freon 142B	0.07	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-37-6	Freon 152A	0.06	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	142-82-5	Heptane	0.092	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	87-68-3	Hexachlorobutadiene	0.062	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	67-72-1	Hexachloroethane	0.082	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	110-54-3	Hexane	0.112	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	74-88-4	Iodomethane	0.037	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	67-63-0	Isopropyl Alcohol	0.187	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	98-82-8	Isopropylbenzene	0.064	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	M,P-XYLEN	m,p-Xylene	0.139	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	78-93-3	Methyl ethyl ketone	0.11	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	108-10-1	Methyl Isobutyl Ketone	0.073	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	1634-04-4	Methyl Tert Butyl Ether	0.08	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-09-2	Methylene chloride	0.056	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	80-62-6	Methylmethacrylate	0.07	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	106-97-8	n-Butane	0.106	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	104-51-8	n-Butylbenzene	0.106	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	111-84-2	Nonane	0.1	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	103-65-1	n-Propylbenzene	0.091	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	111-65-9	Octane	0.12	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	95-50-1	o-Dichlorobenzene	0.154	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	95-47-6	o-Xylene	0.077	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	106-46-7	p-Dichlorobenzene	0.191	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	109-66-0	Pentane	0.138	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	99-87-6	p-Isopropyltoluene	0.08	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	115-07-1	Propylene	0.142	0.5	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	135-98-8	sec-Butylbenzene	0.081	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	100-42-5	Styrene	0.118	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	98-06-6	tert-Butylbenzene	0.083	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-65-0	Tertiary Butyl Alcohol	0.093	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	109-99-9	Tetrahydrofuran	0.09	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	108-88-3	Toluene	0.057	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	156-60-5	trans-1,2-Dichloroethylene	0.069	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	10061-02-6	trans-1,3-Dichloropropene	0.101	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-69-4	Trichlorofluoromethane	0.036	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	TVHC AS EC	TVHC As Equiv Pentane	0.136	10	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	108-05-4	Vinyl Acetate	0.112	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-2F	MDLV : 0.2	PPBV	5W	12/30/21	5:36	GCMS5W	75-01-4	Vinyl chloride	0.069	0.2	5W	Q-4		ppbv
TO-15	JD18443D	STYA	JD18443D-4E	MDLV : 0.1	PPBV	2W	12/30/21	4:35	GCMS2W	67-63-0	Isopropyl Alcohol	0.141	0.2	2W	Q-4		ppbv

MS Volatiles

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QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Initial Calibration RT/ISTD Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries
- Run Sequence Reports

Method Blank Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2045-MB	5W49459.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2045-MB	5W49459.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2045-MB	5W49459.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	80%	65-128%

Method Blank Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-MB	2W58397.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here applies to the following samples: **Method:** TO-15

V2W2601-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Method Blank Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-MB	2W58397.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here applies to the following samples: **Method:** TO-15

V2W2601-SCC

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Method Blank Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-MB	2W58397.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here applies to the following samples: **Method:** TO-15

V2W2601-SCC

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	95%	65-128%

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2045-BS	5W49456.D	1	04/23/22	TCH	n/a	n/a	V5W2045
V5W2045-BSD	5W49457.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	9.5	95	9.0	90	5	70-130/30
106-99-0	1,3-Butadiene	10	8.0	80	6.5	65* [a]	21	70-130/30
71-43-2	Benzene	10	8.6	86	8.3	83	4	70-130/30
75-27-4	Bromodichloromethane	10	11.0	110	10.5	105	5	70-130/30
75-25-2	Bromoform	10	14.5	145* [b]	14.6	146* [b]	1	70-130/30
74-83-9	Bromomethane	10	9.4	94	8.2	82	14	70-130/30
593-60-2	Bromoethene	10	10.0	100	10	100	0	70-130/30
100-44-7	Benzyl Chloride	10	11.6	116	11.7	117	1	70-130/30
75-15-0	Carbon disulfide	10	10	100	9.6	96	4	70-130/30
108-90-7	Chlorobenzene	10	8.9	89	9.1	91	2	70-130/30
75-00-3	Chloroethane	10	6.5	65* [a]	7.1	71	9	70-130/30
67-66-3	Chloroform	10	10.1	101	9.7	97	4	70-130/30
74-87-3	Chloromethane	10	8.0	80	6.2	62* [a]	25	70-130/30
107-05-1	3-Chloropropene	10	9.6	96	9.2	92	4	70-130/30
95-49-8	2-Chlorotoluene	10	9.7	97	9.8	98	1	70-130/30
56-23-5	Carbon tetrachloride	10	10.7	107	10.5	105	2	70-130/30
110-82-7	Cyclohexane	10	7.8	78	7.3	73	7	70-130/30
75-34-3	1,1-Dichloroethane	10	9.5	95	8.8	88	8	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.8	98	9.0	90	9	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	10	100	9.9	99	1	70-130/30
107-06-2	1,2-Dichloroethane	10	10.1	101	9.4	94	7	70-130/30
78-87-5	1,2-Dichloropropane	10	9.7	97	9.0	90	7	70-130/30
123-91-1	1,4-Dioxane	10	8.0	80	8.0	80	0	70-130/30
75-71-8	Dichlorodifluoromethane	10	11.3	113	9.5	95	17	70-130/30
124-48-1	Dibromochloromethane	10	11.1	111	10.9	109	2	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	9.5	95	8.9	89	7	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.5	95	8.7	87	9	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	8.9	89	8.6	86	3	70-130/30
541-73-1	m-Dichlorobenzene	10	12.6	126	12.6	126	0	70-130/30
95-50-1	o-Dichlorobenzene	10	15.6	156* [b]	15.7	157* [b]	1	70-130/30
106-46-7	p-Dichlorobenzene	10	13.4	134* [b]	13.5	135* [b]	1	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	9.1	91	8.9	89	2	70-130/30
64-17-5	Ethanol	10	10.4	104	9.2	92	12	70-130/30
100-41-4	Ethylbenzene	10	9.3	93	9.2	92	1	70-130/30
141-78-6	Ethyl Acetate	10	9.9	99	9.2	92	7	70-130/30
622-96-8	4-Ethyltoluene	10	10.3	103	10.3	103	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2045-BS	5W49456.D	1	04/23/22	TCH	n/a	n/a	V5W2045
V5W2045-BSD	5W49457.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	10.7	107	10.0	100	7	70-130/30
76-14-2	Freon 114	10	11.5	115	9.4	94	20	70-130/30
142-82-5	Heptane	10	9.3	93	8.9	89	4	70-130/30
87-68-3	Hexachlorobutadiene	10	16.6	166* [b]	16.7	167* [b]	1	70-130/30
110-54-3	Hexane	10	8.0	80	7.5	75	6	70-130/30
591-78-6	2-Hexanone	10	10.1	101	9.3	93	8	70-130/30
67-63-0	Isopropyl Alcohol	10	11.5	115	10.4	104	10	70-130/30
75-09-2	Methylene chloride	10	9.5	95	9.1	91	4	70-130/30
78-93-3	Methyl ethyl ketone	10	9.7	97	9.7	97	0	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	9.4	94	8.7	87	8	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	9.2	92	8.7	87	6	70-130/30
80-62-6	Methylmethacrylate	10	9.7	97	9.6	96	1	70-130/30
115-07-1	Propylene	10	9.1	91	6.6	66* [a]	32* [a]	70-130/30
100-42-5	Styrene	10	9.5	95	9.6	96	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.1	101	9.8	98	3	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	10.7	107	10.6	106	1	70-130/30
79-00-5	1,1,2-Trichloroethane	10	9.9	99	9.7	97	2	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	14.1	141* [b]	15.0	150* [b]	6	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	10.5	105	10.6	106	1	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	10.5	105	10.5	105	0	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	8.6	86	8.3	83	4	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	8.8	88	8.1	81	8	70-130/30
127-18-4	Tetrachloroethylene	10	11.8	118	12.0	120	2	70-130/30
109-99-9	Tetrahydrofuran	10	9.9	99	9.6	96	3	70-130/30
108-88-3	Toluene	10	8.9	89	8.8	88	1	70-130/30
79-01-6	Trichloroethylene	10	10	100	9.7	97	3	70-130/30
75-69-4	Trichlorofluoromethane	10	11.6	116	10.5	105	10	70-130/30
75-01-4	Vinyl chloride	10	9.5	95	7.6	76	22	70-130/30
108-05-4	Vinyl Acetate	10	10.2	102	9.4	94	8	70-130/30
	m,p-Xylene	20	19.9	100	19.8	99	1	70-130/30
95-47-6	o-Xylene	10	9.2	92	9.3	93	1	70-130/30
1330-20-7	Xylenes (total)	30	29.1	97	29.1	97	0	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V5W2045-BS	5W49456.D	1	04/23/22	TCH	n/a	n/a	V5W2045
V5W2045-BSD	5W49457.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	102%	101%	65-128%

(a) Outside in house control limits.
(b) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-BS	2W58393.D	1	03/21/22	TCH	n/a	n/a	V2W2601
V2W2601-BSD	2W58394.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here applies to the following samples: **Method:** TO-15

V2W2601-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
67-64-1	Acetone (2-Propanone)	10	9.3	93	8.9	89	4	70-130/30
106-99-0	1,3-Butadiene	10	10.3	103	9.5	95	8	70-130/30
71-43-2	Benzene	10	10.1	101	9.9	99	2	70-130/30
75-27-4	Bromodichloromethane	10	10.7	107	10.7	107	0	70-130/30
75-25-2	Bromoform	10	10.5	105	10.5	105	0	70-130/30
74-83-9	Bromomethane	10	9.7	97	9.0	90	7	70-130/30
593-60-2	Bromoethene	10	9.6	96	8.9	89	8	70-130/30
100-44-7	Benzyl Chloride	10	22.1	221* [a]	20.9	209* [a]	6	70-130/30
75-15-0	Carbon disulfide	10	10.1	101	9.1	91	10	70-130/30
108-90-7	Chlorobenzene	10	9.9	99	9.8	98	1	70-130/30
75-00-3	Chloroethane	10	10.3	103	9.2	92	11	70-130/30
67-66-3	Chloroform	10	10.7	107	10.3	103	4	70-130/30
74-87-3	Chloromethane	10	9.9	99	9.2	92	7	70-130/30
107-05-1	3-Chloropropene	10	9.4	94	8.6	86	9	70-130/30
95-49-8	2-Chlorotoluene	10	10.4	104	10.2	102	2	70-130/30
56-23-5	Carbon tetrachloride	10	10.6	106	10.3	103	3	70-130/30
110-82-7	Cyclohexane	10	9.8	98	9.7	97	1	70-130/30
75-34-3	1,1-Dichloroethane	10	10.2	102	10.1	101	1	70-130/30
75-35-4	1,1-Dichloroethylene	10	9.0	90	8.3	83	8	70-130/30
106-93-4	1,2-Dibromoethane (EDB)	10	11.2	112	11.1	111	1	70-130/30
107-06-2	1,2-Dichloroethane	10	10.3	103	10.1	101	2	70-130/30
78-87-5	1,2-Dichloropropane	10	10.7	107	10.5	105	2	70-130/30
123-91-1	1,4-Dioxane	10	9.4	94	9.1	91	3	70-130/30
75-71-8	Dichlorodifluoromethane	10	10.3	103	9.8	98	5	70-130/30
124-48-1	Dibromochloromethane	10	10.6	106	10.6	106	0	70-130/30
156-60-5	trans-1,2-Dichloroethylene	10	11.7	117	10.2	102	14	70-130/30
156-59-2	cis-1,2-Dichloroethylene	10	9.5	95	9.5	95	0	70-130/30
10061-01-5	cis-1,3-Dichloropropene	10	11.0	110	10.9	109	1	70-130/30
541-73-1	m-Dichlorobenzene	10	11.6	116	11.2	112	4	70-130/30
95-50-1	o-Dichlorobenzene	10	11.8	118	11.2	112	5	70-130/30
106-46-7	p-Dichlorobenzene	10	11.7	117	11.2	112	4	70-130/30
10061-02-6	trans-1,3-Dichloropropene	10	11.6	116	11.4	114	2	70-130/30
64-17-5	Ethanol	10	8.9	89	8.0	80	11	70-130/30
100-41-4	Ethylbenzene	10	10.3	103	10.2	102	1	70-130/30
141-78-6	Ethyl Acetate	10	11.9	119	11.0	110	8	70-130/30
622-96-8	4-Ethyltoluene	10	11.3	113	11.0	110	3	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-BS	2W58393.D	1	03/21/22	TCH	n/a	n/a	V2W2601
V2W2601-BSD	2W58394.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here applies to the following samples: **Method:** TO-15

V2W2601-SCC

CAS No.	Compound	Spike ppbv	BSP ppbv	BSP %	BSD ppbv	BSD %	RPD	Limits Rec/RPD
76-13-1	Freon 113	10	9.1	91	8.3	83	9	70-130/30
76-14-2	Freon 114	10	10.4	104	9.6	96	8	70-130/30
142-82-5	Heptane	10	11.1	111	11.4	114	3	70-130/30
87-68-3	Hexachlorobutadiene	10	10.5	105	10.0	100	5	70-130/30
110-54-3	Hexane	10	11.9	119	11.2	112	6	70-130/30
591-78-6	2-Hexanone	10	11.4	114	11.1	111	3	70-130/30
67-63-0	Isopropyl Alcohol	10	10	100	8.9	89	12	70-130/30
75-09-2	Methylene chloride	10	8.6	86	7.8	78	10	70-130/30
78-93-3	Methyl ethyl ketone	10	9.7	97	9.6	96	1	70-130/30
108-10-1	Methyl Isobutyl Ketone	10	11.3	113	11.3	113	0	70-130/30
1634-04-4	Methyl Tert Butyl Ether	10	10.4	104	10.1	101	3	70-130/30
80-62-6	Methylmethacrylate	10	11.3	113	11.3	113	0	70-130/30
115-07-1	Propylene	10	9.8	98	10.2	102	4	70-130/30
100-42-5	Styrene	10	10.9	109	10.8	108	1	70-130/30
71-55-6	1,1,1-Trichloroethane	10	10.0	100	9.9	99	1	70-130/30
79-34-5	1,1,2,2-Tetrachloroethane	10	11.0	110	10.7	107	3	70-130/30
79-00-5	1,1,2-Trichloroethane	10	10.0	100	9.9	99	1	70-130/30
120-82-1	1,2,4-Trichlorobenzene	10	11.0	110	10.5	105	5	70-130/30
95-63-6	1,2,4-Trimethylbenzene	10	12.2	122	11.8	118	3	70-130/30
108-67-8	1,3,5-Trimethylbenzene	10	11.6	116	11.3	113	3	70-130/30
540-84-1	2,2,4-Trimethylpentane	10	10.8	108	10.9	109	1	70-130/30
75-65-0	Tertiary Butyl Alcohol	10	10.8	108	8.9	89	19	70-130/30
127-18-4	Tetrachloroethylene	10	9.6	96	9.6	96	0	70-130/30
109-99-9	Tetrahydrofuran	10	11.6	116	11.6	116	0	70-130/30
108-88-3	Toluene	10	10.5	105	10.5	105	0	70-130/30
79-01-6	Trichloroethylene	10	10.0	100	10.2	102	2	70-130/30
75-69-4	Trichlorofluoromethane	10	9.4	94	8.9	89	5	70-130/30
75-01-4	Vinyl chloride	10	10.4	104	9.8	98	6	70-130/30
108-05-4	Vinyl Acetate	10	11.6	116	11.0	110	5	70-130/30
	m,p-Xylene	20	21.7	109	21.3	107	2	70-130/30
95-47-6	o-Xylene	10	11.0	110	10.7	107	3	70-130/30
1330-20-7	Xylenes (total)	30	32.7	109	32.0	107	2	70-130/30

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-BS	2W58393.D	1	03/21/22	TCH	n/a	n/a	V2W2601
V2W2601-BSD	2W58394.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here applies to the following samples: **Method:** TO-15

V2W2601-SCC

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	4-Bromofluorobenzene	110%	110%	65-128%

(a) High percent recovery and no associated positive reported in the QC batch.

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41994-2DUP	5W49467.D	1	04/23/22	TCH	n/a	n/a	V5W2045
JD41994-2	5W49466.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Compound	JD41994-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
67-64-1	Acetone (2-Propanone)	2.0		2.0		0	25
106-99-0	1,3-Butadiene	0.15	J	0.17		13	25
71-43-2	Benzene	1.2		1.2		0	25
75-27-4	Bromodichloromethane	ND		ND		nc	25
75-25-2	Bromoform	ND		ND		nc	25
74-83-9	Bromomethane	ND		ND		nc	25
593-60-2	Bromoethene	ND		ND		nc	25
100-44-7	Benzyl Chloride	ND		ND		nc	25
75-15-0	Carbon disulfide	ND		ND		nc	25
108-90-7	Chlorobenzene	ND		ND		nc	25
75-00-3	Chloroethane	ND		ND		nc	25
67-66-3	Chloroform	ND		ND		nc	25
74-87-3	Chloromethane	0.45		0.47		4	25
107-05-1	3-Chloropropene	ND		ND		nc	25
95-49-8	2-Chlorotoluene	ND		ND		nc	25
56-23-5	Carbon tetrachloride	ND		ND		nc	25
110-82-7	Cyclohexane	0.18		0.18		0	25
75-34-3	1,1-Dichloroethane	ND		ND		nc	25
75-35-4	1,1-Dichloroethylene	ND		ND		nc	25
106-93-4	1,2-Dibromoethane (EDB)	ND		ND		nc	25
107-06-2	1,2-Dichloroethane	ND		ND		nc	25
78-87-5	1,2-Dichloropropane	ND		ND		nc	25
123-91-1	1,4-Dioxane	ND		ND		nc	25
75-71-8	Dichlorodifluoromethane	0.42		0.42		0	25
124-48-1	Dibromochloromethane	ND		ND		nc	25
156-60-5	trans-1,2-Dichloroethylene	ND		ND		nc	25
156-59-2	cis-1,2-Dichloroethylene	ND		ND		nc	25
10061-01-5	cis-1,3-Dichloropropene	ND		ND		nc	25
541-73-1	m-Dichlorobenzene	ND		ND		nc	25
95-50-1	o-Dichlorobenzene	ND		ND		nc	25
106-46-7	p-Dichlorobenzene	ND		ND		nc	25
10061-02-6	trans-1,3-Dichloropropene	ND		ND		nc	25
64-17-5	Ethanol	9.8		10.1		3	25
100-41-4	Ethylbenzene	0.29		0.27		7	25
141-78-6	Ethyl Acetate	5.5		5.6		2	25
622-96-8	4-Ethyltoluene	0.22		0.22		0	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41994-2DUP	5W49467.D	1	04/23/22	TCH	n/a	n/a	V5W2045
JD41994-2	5W49466.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Compound	JD41994-2 ppbv	Q	DUP ppbv	Q	RPD	Limits
76-13-1	Freon 113	ND		ND		nc	25
76-14-2	Freon 114	ND		ND		nc	25
142-82-5	Heptane	0.21		0.19		10	25
87-68-3	Hexachlorobutadiene	ND		ND		nc	25
110-54-3	Hexane	0.32		0.36		12	25
591-78-6	2-Hexanone	ND		ND		nc	25
67-63-0	Isopropyl Alcohol	1.3		1.3		0	25
75-09-2	Methylene chloride	0.18		0.17		6	25
78-93-3	Methyl ethyl ketone	0.24		0.26		8	25
108-10-1	Methyl Isobutyl Ketone	0.17		0.19		11	25
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	25
80-62-6	Methylmethacrylate	ND		ND		nc	25
115-07-1	Propylene	2.5		2.6		4	25
100-42-5	Styrene	ND		ND		nc	25
71-55-6	1,1,1-Trichloroethane	ND		ND		nc	25
79-34-5	1,1,2,2-Tetrachloroethane	ND		ND		nc	25
79-00-5	1,1,2-Trichloroethane	ND		ND		nc	25
120-82-1	1,2,4-Trichlorobenzene	ND		ND		nc	25
95-63-6	1,2,4-Trimethylbenzene	0.14	J	0.16		13	25
108-67-8	1,3,5-Trimethylbenzene	ND		ND		nc	25
540-84-1	2,2,4-Trimethylpentane	0.32		0.30		6	25
75-65-0	Tertiary Butyl Alcohol	ND		ND		nc	25
127-18-4	Tetrachloroethylene	ND		ND		nc	25
109-99-9	Tetrahydrofuran	ND		ND		nc	25
108-88-3	Toluene	1.7		1.6		6	25
79-01-6	Trichloroethylene	ND		ND		nc	25
75-69-4	Trichlorofluoromethane	0.23		0.24		4	25
75-01-4	Vinyl chloride	ND		ND		nc	25
108-05-4	Vinyl Acetate	ND		ND		nc	25
	m,p-Xylene	0.85		0.83		2	25
95-47-6	o-Xylene	0.28		0.29		4	25
1330-20-7	Xylenes (total)	1.1		1.1		0	25

* = Outside of Control Limits.

Duplicate Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
JD41994-2DUP	5W49467.D	1	04/23/22	TCH	n/a	n/a	V5W2045
JD41994-2	5W49466.D	1	04/23/22	TCH	n/a	n/a	V5W2045

The QC reported here applies to the following samples: **Method:** TO-15

JD41994-1, JD41994-2, JD41994-3, JD41994-4, JD41994-5, JD41994-6, JD41994-7, JD41994-8, JD41994-9, JD41994-10

CAS No.	Surrogate Recoveries	DUP	JD41994-2	Limits
460-00-4	4-Bromofluorobenzene	91%	91%	65-128%

* = Outside of Control Limits.

Summa Cleaning Certification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58399.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A778) applies to the following samples: **Method:** TO-15

Batch CP11628 cleaned 03/17/22: JD41994-1(A765), JD41994-5(A887), JD41994-6(A307), JD41994-8(A874), JD41994-9(M109)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58399.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A778) applies to the following samples: **Method:** TO-15

Batch CP11628 cleaned 03/17/22: JD41994-1(A765), JD41994-5(A887), JD41994-6(A307), JD41994-8(A874), JD41994-9(M109)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58399.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A778) applies to the following samples: **Method:** TO-15

Batch CP11628 cleaned 03/17/22: JD41994-1(A765), JD41994-5(A887), JD41994-6(A307), JD41994-8(A874), JD41994-9(M109)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	96%	65-128%

Summa Cleaning Certification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58401.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A1472) applies to the following samples: **Method:** TO-15

Batch CP11631 cleaned 03/18/22: JD41994-2(A669), JD41994-3(M133), JD41994-4(M279), JD41994-7(M128), JD41994-10(A1095)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
67-64-1	Acetone (2-Propanone)	ND	0.20	0.15	ppbv		ND	0.48	ug/m3
106-99-0	1,3-Butadiene	ND	0.20	0.084	ppbv		ND	0.44	ug/m3
71-43-2	Benzene	ND	0.20	0.062	ppbv		ND	0.64	ug/m3
75-27-4	Bromodichloromethane	ND	0.20	0.030	ppbv		ND	1.3	ug/m3
75-25-2	Bromoform	ND	0.20	0.071	ppbv		ND	2.1	ug/m3
74-83-9	Bromomethane	ND	0.20	0.069	ppbv		ND	0.78	ug/m3
593-60-2	Bromoethene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
100-44-7	Benzyl Chloride	ND	0.20	0.13	ppbv		ND	1.0	ug/m3
75-15-0	Carbon disulfide	ND	0.20	0.045	ppbv		ND	0.62	ug/m3
108-90-7	Chlorobenzene	ND	0.20	0.074	ppbv		ND	0.92	ug/m3
75-00-3	Chloroethane	ND	0.20	0.068	ppbv		ND	0.53	ug/m3
67-66-3	Chloroform	ND	0.20	0.037	ppbv		ND	0.98	ug/m3
74-87-3	Chloromethane	ND	0.20	0.090	ppbv		ND	0.41	ug/m3
107-05-1	3-Chloropropene	ND	0.20	0.083	ppbv		ND	0.63	ug/m3
95-49-8	2-Chlorotoluene	ND	0.20	0.072	ppbv		ND	1.0	ug/m3
56-23-5	Carbon tetrachloride	ND	0.20	0.040	ppbv		ND	1.3	ug/m3
110-82-7	Cyclohexane	ND	0.20	0.11	ppbv		ND	0.69	ug/m3
75-34-3	1,1-Dichloroethane	ND	0.20	0.057	ppbv		ND	0.81	ug/m3
75-35-4	1,1-Dichloroethylene	ND	0.20	0.059	ppbv		ND	0.79	ug/m3
106-93-4	1,2-Dibromoethane (EDB)	ND	0.20	0.097	ppbv		ND	1.5	ug/m3
107-06-2	1,2-Dichloroethane	ND	0.20	0.070	ppbv		ND	0.81	ug/m3
78-87-5	1,2-Dichloropropane	ND	0.20	0.062	ppbv		ND	0.92	ug/m3
123-91-1	1,4-Dioxane	ND	0.20	0.12	ppbv		ND	0.72	ug/m3
75-71-8	Dichlorodifluoromethane	ND	0.20	0.032	ppbv		ND	0.99	ug/m3
124-48-1	Dibromochloromethane	ND	0.20	0.052	ppbv		ND	1.7	ug/m3
156-60-5	trans-1,2-Dichloroethylene	ND	0.20	0.069	ppbv		ND	0.79	ug/m3
156-59-2	cis-1,2-Dichloroethylene	ND	0.20	0.077	ppbv		ND	0.79	ug/m3
10061-01-5	cis-1,3-Dichloropropene	ND	0.20	0.062	ppbv		ND	0.91	ug/m3
541-73-1	m-Dichlorobenzene	ND	0.20	0.040	ppbv		ND	1.2	ug/m3
95-50-1	o-Dichlorobenzene	ND	0.20	0.15	ppbv		ND	1.2	ug/m3
106-46-7	p-Dichlorobenzene	ND	0.20	0.19	ppbv		ND	1.2	ug/m3
10061-02-6	trans-1,3-Dichloropropene	ND	0.20	0.10	ppbv		ND	0.91	ug/m3
64-17-5	Ethanol	ND	0.50	0.39	ppbv		ND	0.94	ug/m3
100-41-4	Ethylbenzene	ND	0.20	0.061	ppbv		ND	0.87	ug/m3
141-78-6	Ethyl Acetate	ND	0.20	0.10	ppbv		ND	0.72	ug/m3
622-96-8	4-Ethyltoluene	ND	0.20	0.095	ppbv		ND	0.98	ug/m3

Summa Cleaning Certification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58401.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A1472) applies to the following samples: **Method:** TO-15

Batch CP11631 cleaned 03/18/22: JD41994-2(A669), JD41994-3(M133), JD41994-4(M279), JD41994-7(M128), JD41994-10(A1095)

CAS No.	Compound	Result	RL	MDL	Units	Q	Result	RL	Units
76-13-1	Freon 113	ND	0.20	0.031	ppbv		ND	1.5	ug/m3
76-14-2	Freon 114	ND	0.20	0.050	ppbv		ND	1.4	ug/m3
142-82-5	Heptane	ND	0.20	0.092	ppbv		ND	0.82	ug/m3
87-68-3	Hexachlorobutadiene	ND	0.20	0.062	ppbv		ND	2.1	ug/m3
110-54-3	Hexane	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
591-78-6	2-Hexanone	ND	0.20	0.15	ppbv		ND	0.82	ug/m3
67-63-0	Isopropyl Alcohol	ND	0.20	0.14	ppbv		ND	0.49	ug/m3
75-09-2	Methylene chloride	ND	0.20	0.056	ppbv		ND	0.69	ug/m3
78-93-3	Methyl ethyl ketone	ND	0.20	0.11	ppbv		ND	0.59	ug/m3
108-10-1	Methyl Isobutyl Ketone	ND	0.20	0.073	ppbv		ND	0.82	ug/m3
1634-04-4	Methyl Tert Butyl Ether	ND	0.20	0.080	ppbv		ND	0.72	ug/m3
80-62-6	Methylmethacrylate	ND	0.20	0.070	ppbv		ND	0.82	ug/m3
115-07-1	Propylene	ND	0.50	0.14	ppbv		ND	0.86	ug/m3
100-42-5	Styrene	ND	0.20	0.12	ppbv		ND	0.85	ug/m3
71-55-6	1,1,1-Trichloroethane	ND	0.20	0.037	ppbv		ND	1.1	ug/m3
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.048	ppbv		ND	1.4	ug/m3
79-00-5	1,1,2-Trichloroethane	ND	0.20	0.038	ppbv		ND	1.1	ug/m3
120-82-1	1,2,4-Trichlorobenzene	ND	0.20	0.12	ppbv		ND	1.5	ug/m3
95-63-6	1,2,4-Trimethylbenzene	ND	0.20	0.087	ppbv		ND	0.98	ug/m3
108-67-8	1,3,5-Trimethylbenzene	ND	0.20	0.080	ppbv		ND	0.98	ug/m3
540-84-1	2,2,4-Trimethylpentane	ND	0.20	0.095	ppbv		ND	0.93	ug/m3
75-65-0	Tertiary Butyl Alcohol	ND	0.20	0.093	ppbv		ND	0.61	ug/m3
127-18-4	Tetrachloroethylene	ND	0.040	0.014	ppbv		ND	0.27	ug/m3
109-99-9	Tetrahydrofuran	ND	0.20	0.090	ppbv		ND	0.59	ug/m3
108-88-3	Toluene	ND	0.20	0.057	ppbv		ND	0.75	ug/m3
79-01-6	Trichloroethylene	ND	0.040	0.019	ppbv		ND	0.21	ug/m3
75-69-4	Trichlorofluoromethane	ND	0.20	0.036	ppbv		ND	1.1	ug/m3
75-01-4	Vinyl chloride	ND	0.20	0.069	ppbv		ND	0.51	ug/m3
108-05-4	Vinyl Acetate	ND	0.20	0.11	ppbv		ND	0.70	ug/m3
	m,p-Xylene	ND	0.20	0.14	ppbv		ND	0.87	ug/m3
95-47-6	o-Xylene	ND	0.20	0.077	ppbv		ND	0.87	ug/m3
1330-20-7	Xylenes (total)	ND	0.20	0.077	ppbv		ND	0.87	ug/m3

Summa Cleaning Certification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
V2W2601-SCC	2W58401.D	1	03/21/22	TCH	n/a	n/a	V2W2601

The QC reported here (Summa A1472) applies to the following samples: **Method:** TO-15

Batch CP11631 cleaned 03/18/22: JD41994-2(A669), JD41994-3(M133), JD41994-4(M279), JD41994-7(M128), JD41994-10(A1095)

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	65-128%

Instrument Performance Check (BFB)

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2599-BFB
Lab File ID: 2W58348.D
Instrument ID: GCMS2W
Injection Date: 03/18/22
Injection Time: 19:02

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	28061	18.6		Pass
75	30.0 - 66.0% of mass 95	75859	50.3		Pass
95	Base peak, 100% relative abundance	150891	100.0		Pass
96	5.0 - 9.0% of mass 95	10173	6.74		Pass
173	Less than 2.0% of mass 174	435	0.29	(0.29) [a]	Pass
174	50.0 - 120.0% of mass 95	150784	99.9		Pass
175	4.0 - 9.01% of mass 174	9958	6.60	(6.60) [a]	Pass
176	93.0 - 101.0% of mass 174	143829	95.3	(95.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9635	6.39	(6.70) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W2599-IC2599	2W58349.D	03/18/22	19:40	00:38	Initial cal 0.5
V2W2599-IC2599	2W58350.D	03/18/22	20:15	01:13	Initial cal 0.2
V2W2599-IC2599	2W58351.D	03/18/22	20:50	01:48	Initial cal 0.1
V2W2599-IC2599	2W58352.D	03/18/22	21:26	02:24	Initial cal 0.04
V2W2599-IC2599	2W58353.D	03/18/22	22:02	03:00	Initial cal 5
V2W2599-ICC2599	2W58354.D	03/18/22	22:38	03:36	Initial cal 10
V2W2599-IC2599	2W58355.D	03/18/22	23:17	04:15	Initial cal 20
V2W2599-ICV2599	2W58363.D	03/19/22	11:40	16:38	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2601-BFB
Lab File ID: 2W58390.D
Instrument ID: GCMS2W
Injection Date: 03/21/22
Injection Time: 06:46

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	26731	18.8		Pass
75	30.0 - 66.0% of mass 95	73299	51.5		Pass
95	Base peak, 100% relative abundance	142421	100.0		Pass
96	5.0 - 9.0% of mass 95	8865	6.22		Pass
173	Less than 2.0% of mass 174	570	0.40	(0.43) [a]	Pass
174	50.0 - 120.0% of mass 95	131443	92.3		Pass
175	4.0 - 9.01% of mass 174	9411	6.61	(7.16) [a]	Pass
176	93.0 - 101.0% of mass 174	122283	85.9	(93.0) [a]	Pass
177	5.0 - 9.0% of mass 176	8165	5.73	(6.68) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V2W2601-CC2599	2W58392.D	03/21/22	08:26	01:40	Continuing cal 10
V2W2601-BS	2W58393.D	03/21/22	09:25	02:39	Blank Spike
V2W2601-BSD	2W58394.D	03/21/22	10:02	03:16	Blank Spike Duplicate
V2W2601-MB	2W58397.D	03/21/22	13:30	06:44	Method Blank
V2W2601-SCC	2W58398.D	03/21/22	14:12	07:26	Summa Cleaning Certification
V2W2601-SCC	2W58399.D	03/21/22	14:54	08:08	Summa Cleaning Certification
V2W2601-SCC	2W58401.D	03/21/22	16:20	09:34	Summa Cleaning Certification
V2W2601-SCC	2W58402.D	03/21/22	17:01	10:15	Summa Cleaning Certification
V2W2601-SCC	2W58403.D	03/21/22	17:44	10:58	Summa Cleaning Certification
V2W2601-SCC	2W58404.D	03/21/22	18:27	11:41	Summa Cleaning Certification
V2W2601-SCC	2W58406.D	03/21/22	19:51	13:05	Summa Cleaning Certification
ZZZZZZ	2W58407.D	03/21/22	20:35	13:49	(unrelated sample)
V2W2601-SCC	2W58408.D	03/21/22	21:18	14:32	Summa Cleaning Certification
V2W2601-SCC	2W58409.D	03/21/22	22:00	15:14	Summa Cleaning Certification
ZZZZZZ	2W58410.D	03/21/22	22:44	15:58	(unrelated sample)
ZZZZZZ	2W58411.D	03/21/22	23:28	16:42	(unrelated sample)
ZZZZZZ	2W58412.D	03/22/22	00:13	17:27	(unrelated sample)
ZZZZZZ	2W58413.D	03/22/22	00:58	18:12	(unrelated sample)
JD40794-10	2W58414.D	03/22/22	01:41	18:55	(used for QC only; not part of job JD41994)
JD40794-10DUP	2W58415.D	03/22/22	02:24	19:38	Duplicate
ZZZZZZ	2W58416.D	03/22/22	03:08	20:22	(unrelated sample)
ZZZZZZ	2W58417.D	03/22/22	03:51	21:05	(unrelated sample)
V2W2601-SCC	2W58418.D	03/22/22	04:33	21:47	Summa Cleaning Certification
ZZZZZZ	2W58421.D	03/22/22	06:40	23:54	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W1969-BFB
Lab File ID: 5W47665.D
Instrument ID: GCMS5W
Injection Date: 01/31/22
Injection Time: 18:33

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	47755	18.7		Pass
75	30.0 - 66.0% of mass 95	127338	49.9		Pass
95	Base peak, 100% relative abundance	255061	100.0		Pass
96	5.0 - 9.0% of mass 95	16919	6.63		Pass
173	Less than 2.0% of mass 174	0	0.00	(0.00) [a]	Pass
174	50.0 - 120.0% of mass 95	209003	81.9		Pass
175	4.0 - 9.0% of mass 174	15483	6.07	(7.41) [a]	Pass
176	93.0 - 101.0% of mass 174	203392	79.7	(97.3) [a]	Pass
177	5.0 - 9.0% of mass 176	13350	5.23	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W1969-IC1969	5W47670.D	01/31/22	22:37	04:04	Initial cal 5
V5W1969-ICC1969	5W47671.D	01/31/22	23:25	04:52	Initial cal 10
V5W1969-IC1969	5W47672.D	02/01/22	00:16	05:43	Initial cal 20
V5W1969-IC1969	5W47673.D	02/01/22	01:09	06:36	Initial cal 40
V5W1969-IC1969	5W47674.D	02/01/22	02:05	07:32	Initial cal 50
V5W1969-IC1969	5W47679.D	02/01/22	10:35	16:02	Initial cal 0.5
V5W1969-IC1969	5W47680.D	02/01/22	11:23	16:50	Initial cal 0.2
V5W1969-IC1969	5W47681.D	02/01/22	12:12	17:39	Initial cal 0.1
V5W1969-IC1969	5W47682.D	02/01/22	12:59	18:26	Initial cal 0.04
V5W1969-ICV1969	5W47684.D	02/01/22	14:36	20:03	Initial cal verification 10

Instrument Performance Check (BFB)

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W2045-BFB
Lab File ID: 5W49454.D
Instrument ID: GCMS5W
Injection Date: 04/23/22
Injection Time: 09:23

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	8.0 - 40.0% of mass 95	48677	21.1		Pass
75	30.0 - 66.0% of mass 95	127564	55.4		Pass
95	Base peak, 100% relative abundance	230293	100.0		Pass
96	5.0 - 9.0% of mass 95	15742	6.84		Pass
173	Less than 2.0% of mass 174	3893	1.69	(1.65) [a]	Pass
174	50.0 - 120.0% of mass 95	235712	102.4		Pass
175	4.0 - 9.0% of mass 174	18873	8.20	(8.01) [a]	Pass
176	93.0 - 101.0% of mass 174	234283	101.7	(99.4) [a]	Pass
177	5.0 - 9.0% of mass 176	15375	6.68	(6.56) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
V5W2045-CC1969	5W49455.D	04/23/22	10:09	00:46	Continuing cal 10
V5W2044-BS2	5W49456A.D	04/23/22	11:05	01:42	Blank Spike
V5W2045-BS	5W49456.D	04/23/22	11:05	01:42	Blank Spike
V5W2044-BSD2	5W49457A.D	04/23/22	11:51	02:28	Blank Spike Duplicate
V5W2045-BSD	5W49457.D	04/23/22	11:51	02:28	Blank Spike Duplicate
V5W2045-MB	5W49459.D	04/23/22	13:34	04:11	Method Blank
V5W2044-MB2	5W49459A.D	04/23/22	13:34	04:11	Method Blank
V5W2045-SCC	5W49460.D	04/23/22	14:35	05:12	Summa Cleaning Certification
JD41855-2DUP	5W49461.D	04/23/22	15:21	05:58	Duplicate
ZZZZZZ	5W49463.D	04/23/22	16:53	07:30	(unrelated sample)
ZZZZZZ	5W49464.D	04/23/22	17:40	08:17	(unrelated sample)
JD41994-2	5W49466.D	04/23/22	19:23	10:00	IA-WATER METER ROOM
JD41994-2DUP	5W49467.D	04/23/22	20:17	10:54	Duplicate
JD41994-4	5W49468.D	04/23/22	21:10	11:47	IA-BIKE STORAGE
JD41994-6	5W49469.D	04/23/22	22:03	12:40	IA-FORMER SUPERINTENDENT OFFICE
JD41994-8	5W49470.D	04/23/22	22:56	13:33	IA-RESTAURANT
JD41994-10	5W49471.D	04/23/22	23:48	14:25	IA-KIOSK
JD41994-1	5W49472.D	04/24/22	00:39	15:16	SS-WATER METER ROOM
JD41994-3	5W49473.D	04/24/22	01:31	16:08	SS-BIKE STORAGE
JD41994-5	5W49474.D	04/24/22	02:22	16:59	SS-RES. STORAGE ROOM
JD41994-7	5W49475.D	04/24/22	03:14	17:51	SS-RESTAURANT
JD41994-9	5W49476.D	04/24/22	04:05	18:42	SS-KIOSK

Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Check Std:	V2W2601-CC2599	**Injection Date:**	03/21/22
Lab File ID:	2W58392.D	**Injection Time:**	08:26
Instrument ID:	GCMS2W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	176836	3.65	944897	4.98	913047	10.69
Upper Limit [a]	247570	3.98	1322856	5.31	1278266	11.02
Lower Limit [b]	106102	3.32	566938	4.65	547828	10.36

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V2W2601-BS	188246	3.65	979777	4.98	949806	10.68
V2W2601-BSD	207452	3.65	1075344	4.98	1033388	10.69
V2W2601-MB	145688	3.65	775723	4.98	721002	10.69
V2W2601-SCC	149482	3.65	802150	4.98	744088	10.69
V2W2601-SCC	149435	3.65	780539	4.98	723620	10.69
V2W2601-SCC	144716	3.65	761704	4.98	708726	10.69
V2W2601-SCC	146551	3.65	784619	4.98	724238	10.69
V2W2601-SCC	146060	3.65	779941	4.99	726174	10.69
V2W2601-SCC	145691	3.65	784285	4.99	721674	10.69
V2W2601-SCC	143005	3.65	766771	4.99	714517	10.69
ZZZZZZ	148254	3.65	774514	4.98	698336	10.69
V2W2601-SCC	140887	3.65	728632	4.99	687172	10.69
V2W2601-SCC	140633	3.65	739707	4.98	692882	10.69
ZZZZZZ	149346	3.65	794379	4.99	715082	10.69
ZZZZZZ	159816	3.66	841244	4.99	756932	10.69
ZZZZZZ	159332	3.66	835254	4.99	735355	10.69
ZZZZZZ	157709	3.65	842047	4.99	747192	10.69
JD40794-10	159970	3.65	840207	4.99	752439	10.69
JD40794-10DUP	159922	3.66	834840	4.99	747390	10.69
ZZZZZZ	159417	3.65	823947	4.99	743432	10.69
ZZZZZZ	157371	3.65	841430	4.99	747469	10.69
V2W2601-SCC	147454	3.65	792367	4.98	708111	10.69
ZZZZZZ	136174	3.65	717773	4.99	657431	10.69

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.

Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Check Std:	V5W2045-CC1969	**Injection Date:**	04/23/22
Lab File ID:	5W49455.D	**Injection Time:**	10:09
Instrument ID:	GCMS5W	**Method:**	TO-15

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
Check Std	200504	11.23	749585	13.43	379312	18.71
Upper Limit [a]	280706	11.56	1049419	13.76	531037	19.04
Lower Limit [b]	120302	10.90	449751	13.10	227587	18.38

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT
V5W2044-BS2	235637	11.23	837377	13.43	419472	18.71
V5W2045-BS	235637	11.23	837377	13.43	419472	18.71
V5W2044-BSD2	261306	11.24	923588	13.43	444875	18.71
V5W2045-BSD	261306	11.24	923588	13.43	444875	18.71
V5W2044-MB2	239906	11.24	846780	13.43	413111	18.71
V5W2045-MB	239906	11.24	846780	13.43	413111	18.71
V5W2045-SCC	219732	11.24	773909	13.43	370919	18.70
JD41855-2DUP	196654	11.24	739213	13.44	399455	18.71
ZZZZZZ	313620*	11.25	1051632*	13.44	493499	18.71
ZZZZZZ	305783*	11.25	1119744*	13.44	473527	18.70
JD41994-2	267358	11.24	916524	13.43	439916	18.71
JD41994-2DUP	253459	11.24	880074	13.43	422989	18.70
JD41994-4	241401	11.24	869918	13.43	405580	18.71
JD41994-6	235876	11.24	851889	13.43	407646	18.70
JD41994-8	220222	11.24	788574	13.43	388448	18.70
JD41994-10	197833	11.24	722467	13.43	353532	18.71
JD41994-1 [c]	190532	11.24	699763	13.43	347361	18.71
JD41994-3 [c]	192838	11.24	692235	13.43	343070	18.71
JD41994-5 [c]	193336	11.24	696706	13.43	341765	18.70
JD41994-7 [c]	190233	11.24	667884	13.43	341372	18.70
JD41994-9 [c]	199022	11.24	699657	13.43	344836	18.71

IS 1 = Bromochloromethane
IS 2 = 1,4-Difluorobenzene
IS 3 = Chlorobenzene-D5

(a) Upper Limit = + 40% of check standard area; Retention time + 0.33 minutes.
(b) Lower Limit = -40% of check standard area; Retention time -0.33 minutes.
(c) Sample analyzed outside the holding time.

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.45	3.65	0.671	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.98	1.110	ok	1.108	1.048-1.168
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
Benzyl Chloride	16.89	10.69	1.580	ok	1.580	1.520-1.640
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.80	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.65	1.304	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.98	1.743	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.16	3.65	1.140	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.84	4.98	1.574	ok	1.573	1.513-1.633
1,4-Dioxane	5.61	4.98	1.127	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.98	1.673	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.98	1.064	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.54	4.98	1.313	ok	1.313	1.253-1.373

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.98	1.454	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.25	3.65	1.164	ok	1.162	1.102-1.222
Ethanol	2.26	3.65	0.619	ok	0.620	0.560-0.680
Ethylbenzene	11.65	10.69	1.090	ok	1.090	1.030-1.150
Ethyl Acetate	3.71	3.65	1.016	ok	1.017	0.957-1.077
Ethyl Acrylate	5.47	4.98	1.098	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.00	4.98	1.205	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.82	10.69	1.761	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.71	3.65	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.36	4.98	1.679	ok	1.677	1.617-1.737
Iodomethane	2.71	3.65	0.742	ok	0.741	0.681-0.801
Isopropylbenzene	14.55	10.69	1.361	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.37	3.65	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.98	1.335	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.98	1.185	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.736	1.676-1.796
Nonane	14.14	10.69	1.323	ok	1.323	1.263-1.383
Octane	9.68	4.98	1.944	ok	1.942	1.882-2.002
Pentane	2.64	3.65	0.723	ok	0.724	0.664-0.784
n-Propylbenzene	15.90	10.69	1.487	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.33	3.65	1.186	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.77	10.69	1.007	ok	1.008	0.948-1.068

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.98	1.486	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.32	10.69	1.246	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.68	4.98	1.141	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.75	3.65	0.753	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.98	1.918	ok	1.915	1.855-1.975
Tetrahydrofuran	3.96	3.65	1.085	ok	1.085	1.025-1.145
Toluene	7.78	4.98	1.562	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.98	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.27	3.65	0.896	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.130	1.070-1.190
o-Xylene	13.03	10.69	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.65	ok	3.65	3.32-3.98	167567	ok	180639	108383-252895
1,4-Difluorobenzene	4.98	ok	4.99	4.66-5.32	871525	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	797944	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.45	3.65	0.671	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.62	3.65	0.718	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.98	1.110	ok	1.108	1.048-1.168
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.37	3.65	0.649	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
Benzyl Chloride	16.90	10.69	1.581	ok	1.580	1.520-1.640
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.80	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.22	3.65	0.608	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.65	1.304	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.74	3.65	0.751	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.98	1.743	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.98	1.072	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.85	4.98	1.576	ok	1.573	1.513-1.633
1,4-Dioxane	5.63	4.98	1.131	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.34	4.98	1.675	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.98	1.064	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.54	4.98	1.313	ok	1.313	1.253-1.373

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.98	1.454	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.25	3.65	1.164	ok	1.162	1.102-1.222
Ethanol	2.26	3.65	0.619	ok	0.620	0.560-0.680
Ethylbenzene	11.65	10.69	1.090	ok	1.090	1.030-1.150
Ethyl Acetate	3.72	3.65	1.019	ok	1.017	0.957-1.077
Ethyl Acrylate	5.47	4.98	1.098	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.98	1.207	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexachloroethane	17.77	10.69	1.662	ok	1.663	1.603-1.723
Hexane	3.70	3.65	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.37	4.98	1.681	ok	1.677	1.617-1.737
Iodomethane	2.71	3.65	0.742	ok	0.741	0.681-0.801
Isopropylbenzene	14.54	10.69	1.360	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.37	3.65	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.98	1.335	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.23	3.65	0.885	ok	0.883	0.823-0.943
Methylmethacrylate	5.91	4.98	1.187	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.736	1.676-1.796
Nonane	14.14	10.69	1.323	ok	1.323	1.263-1.383
Octane	9.68	4.98	1.944	ok	1.942	1.882-2.002
Pentane	2.64	3.65	0.723	ok	0.724	0.664-0.784
n-Propylbenzene	15.89	10.69	1.486	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.81	10.69	1.198	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.65	1.184	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.77	10.69	1.007	ok	1.008	0.948-1.068

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.98	1.486	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.32	10.69	1.246	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.67	4.98	1.139	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.74	3.65	0.751	ok	0.752	0.692-0.812
Tetrachloroethylene	9.53	4.98	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.97	3.65	1.088	ok	1.085	1.025-1.145
Toluene	7.78	4.98	1.562	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.98	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.05	10.69	1.127	ok	1.130	1.070-1.190
o-Xylene	13.02	10.69	1.218	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.65	ok	3.65	3.32-3.98	166220	ok	180639	108383-252895
1,4-Difluorobenzene	4.98	ok	4.99	4.66-5.32	871478	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	791788	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
1,3-Butadiene	2.05	3.65	0.562	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.98	1.108	ok	1.108	1.048-1.168
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.15	3.65	0.589	ok	0.592	0.532-0.652
Bromoethene	2.35	3.65	0.644	ok	0.647	0.587-0.707
n-Butane	2.07	3.65	0.567	ok	0.570	0.510-0.630
Benzyl Chloride	16.89	10.69	1.580	ok	1.580	1.520-1.640
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.07	10.69	1.597	ok	1.598	1.538-1.658
tert-Butylbenzene	16.80	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.83	3.65	0.501	ok	0.504	0.444-0.564
Chloroethane	2.22	3.65	0.608	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.76	3.65	1.304	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.98	0.978	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.98	1.743	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.35	4.98	1.074	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.84	4.98	1.574	ok	1.573	1.513-1.633
1,4-Dioxane	5.63	4.98	1.131	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.25	3.65	0.616	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.98	1.673	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.98	1.064	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.54	4.98	1.313	ok	1.313	1.253-1.373
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.95	10.69	1.586	ok	1.586	1.526-1.646

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
trans-1,3-Dichloropropene	7.24	4.98	1.454	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.98	1.030	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222
Ethylbenzene	11.66	10.69	1.091	ok	1.090	1.030-1.150
Ethyl Acetate	3.72	3.65	1.019	ok	1.017	0.957-1.077
Ethyl Acrylate	5.47	4.98	1.098	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.86	3.65	0.784	ok	0.786	0.726-0.846
Freon 114	1.96	3.65	0.537	ok	0.539	0.479-0.599
Freon 123	2.41	3.65	0.660	ok	0.663	0.603-0.723
Freon 123A	2.43	3.65	0.666	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.81	3.65	0.496	ok	0.498	0.438-0.558
Heptane	6.00	4.98	1.205	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.82	10.69	1.761	ok	1.760	1.700-1.820
Hexane	3.70	3.65	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.37	4.98	1.681	ok	1.677	1.617-1.737
Iodomethane	2.70	3.65	0.740	ok	0.741	0.681-0.801
Isopropylbenzene	14.55	10.69	1.361	ok	1.361	1.301-1.421
p-Isopropyltoluene	17.25	10.69	1.614	ok	1.614	1.554-1.674
Methyl ethyl ketone	3.37	3.65	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.64	4.98	1.333	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.98	1.185	ok	1.183	1.123-1.243
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.68	4.98	1.944	ok	1.942	1.882-2.002
Pentane	2.64	3.65	0.723	ok	0.724	0.664-0.784
n-Propylbenzene	15.89	10.69	1.486	ok	1.487	1.427-1.547
Styrene	12.81	10.69	1.198	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.65	1.184	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.77	10.69	1.007	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.98	1.486	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.72	10.69	1.751	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.36	10.69	1.530	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.68	4.98	1.141	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.75	3.65	0.753	ok	0.752	0.692-0.812

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Tetrachloroethylene	9.54	4.98	1.916	ok	1.915	1.855-1.975
Tetrahydrofuran	3.96	3.65	1.085	ok	1.085	1.025-1.145
Toluene	7.78	4.98	1.562	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.98	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.25	3.65	0.890	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.130	1.070-1.190
o-Xylene	13.03	10.69	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.65	ok	3.65	3.32-3.98	167149	ok	180639	108383-252895
1,4-Difluorobenzene	4.98	ok	4.99	4.66-5.32	869549	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	779098	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrylonitrile	2.62	3.65	0.718	ok	0.716	0.656-0.776
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.99	1.106	ok	1.108	1.048-1.168
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.17	3.65	0.595	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.09	3.65	0.573	ok	0.570	0.510-0.630
Benzyl Chloride	16.89	10.69	1.580	ok	1.580	1.520-1.640
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.80	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.78	10.69	1.008	ok	1.008	0.948-1.068
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.65	1.307	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.74	3.65	0.751	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.69	4.99	1.741	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.85	4.99	1.573	ok	1.573	1.513-1.633
1,4-Dioxane	5.65	4.99	1.132	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.88	3.65	0.515	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.32	4.99	1.667	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.99	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.10	3.65	0.849	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.313	1.253-1.373
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.25	4.99	1.453	ok	1.452	1.392-1.512
2,3-Dimethylpentane	5.13	4.99	1.028	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Ethylbenzene	11.65	10.69	1.090	ok	1.090	1.030-1.150
Ethyl Acrylate	5.46	4.99	1.094	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.45	3.65	0.671	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.99	1.204	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexane	3.70	3.65	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.38	4.99	1.679	ok	1.677	1.617-1.737
Iodomethane	2.71	3.65	0.742	ok	0.741	0.681-0.801
Isopropylbenzene	14.53	10.69	1.359	ok	1.361	1.301-1.421
Methyl ethyl ketone	3.37	3.65	0.923	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.99	1.333	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.23	3.65	0.885	ok	0.883	0.823-0.943
Methylmethacrylate	5.91	4.99	1.184	ok	1.183	1.123-1.243
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.67	4.99	1.938	ok	1.942	1.882-2.002
Pentane	2.64	3.65	0.723	ok	0.724	0.664-0.784
Styrene	12.83	10.69	1.200	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.65	1.184	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.78	10.69	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.40	4.99	1.483	ok	1.485	1.425-1.545
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.36	10.69	1.530	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.68	4.99	1.138	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.75	3.65	0.753	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.99	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.97	3.65	1.088	ok	1.085	1.025-1.145
Toluene	7.78	4.99	1.559	ok	1.561	1.501-1.621
Trichloroethylene	5.59	4.99	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.53	3.65	0.693	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.08	10.69	1.130	ok	1.130	1.070-1.190

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Xylene	13.03	10.69	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.65	ok	3.65	3.32-3.98	161907	ok	180639	108383-252895
1,4-Difluorobenzene	4.99	ok	4.99	4.66-5.32	843824	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	756941	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	Reporting this level
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.46	3.65	0.674	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.42	10.69	1.349	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.99	1.106	ok	1.108	1.048-1.168
Bromoform	11.90	10.69	1.113	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
Benzyl Chloride	16.89	10.69	1.580	ok	1.580	1.520-1.640
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.56	10.69	1.456	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.65	1.307	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.99	1.739	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.84	4.99	1.571	ok	1.573	1.513-1.633
1,4-Dioxane	5.59	4.99	1.120	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.99	1.669	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.99	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.313	1.253-1.373

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	Reporting this level
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.99	1.451	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.99	1.028	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222
Ethanol	2.27	3.65	0.622	ok	0.620	0.560-0.680
Ethylbenzene	11.66	10.69	1.091	ok	1.090	1.030-1.150
Ethyl Acetate	3.71	3.65	1.016	ok	1.017	0.957-1.077
Ethyl Acrylate	5.46	4.99	1.094	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.99	1.204	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.82	10.69	1.761	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.71	3.65	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.99	1.673	ok	1.677	1.617-1.737
Iodomethane	2.70	3.65	0.740	ok	0.741	0.681-0.801
Isopropylbenzene	14.55	10.69	1.361	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.36	3.65	0.921	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.99	1.333	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.89	4.99	1.180	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.736	1.676-1.796
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.68	4.99	1.940	ok	1.942	1.882-2.002
Pentane	2.65	3.65	0.726	ok	0.724	0.664-0.784
n-Propylbenzene	15.90	10.69	1.487	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.81	10.69	1.198	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.33	3.65	1.186	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.78	10.69	1.008	ok	1.008	0.948-1.068

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	Reporting this level
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280
1,1,2-Trichloroethane	7.41	4.99	1.485	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.32	10.69	1.246	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.68	4.99	1.138	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.74	3.65	0.751	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.99	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.95	3.65	1.082	ok	1.085	1.025-1.145
Toluene	7.78	4.99	1.559	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.99	1.118	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.130	1.070-1.190
o-Xylene	13.03	10.69	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.65	ok	3.65	3.32-3.98	172839	ok	180639	108383-252895
1,4-Difluorobenzene	4.99	ok	4.99	4.66-5.32	881609	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	836687	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.45	3.65	0.671	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.52	4.99	1.106	ok	1.108	1.048-1.168
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.57	10.69	1.457	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.65	1.307	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.99	1.739	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.15	3.65	1.137	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.84	4.99	1.571	ok	1.573	1.513-1.633
1,4-Dioxane	5.59	4.99	1.120	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.99	1.669	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.99	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.313	1.253-1.373
m-Dichlorobenzene	16.87	10.69	1.578	ok	1.578	1.518-1.638

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.24	10.69	1.613	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.95	10.69	1.586	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.99	1.451	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.13	4.99	1.028	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222
Ethanol	2.26	3.65	0.619	ok	0.620	0.560-0.680
Ethylbenzene	11.66	10.69	1.091	ok	1.090	1.030-1.150
Ethyl Acetate	3.71	3.65	1.016	ok	1.017	0.957-1.077
Ethyl Acrylate	5.46	4.99	1.094	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.99	1.204	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.70	3.65	1.014	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.99	1.673	ok	1.677	1.617-1.737
Iodomethane	2.70	3.65	0.740	ok	0.741	0.681-0.801
Isopropylbenzene	14.56	10.69	1.362	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.36	3.65	0.921	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.64	4.99	1.331	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.89	4.99	1.180	ok	1.183	1.123-1.243
Naphthalene	18.55	10.69	1.735	ok	1.736	1.676-1.796
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.68	4.99	1.940	ok	1.942	1.882-2.002
Pentane	2.65	3.65	0.726	ok	0.724	0.664-0.784
n-Propylbenzene	15.90	10.69	1.487	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.32	3.65	1.184	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.78	10.69	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	Reporting this level
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	7.41	4.99	1.485	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.50	10.69	1.731	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.19	10.69	1.608	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.81	10.69	1.572	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.68	4.99	1.138	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.74	3.65	0.751	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.99	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.95	3.65	1.082	ok	1.085	1.025-1.145
Toluene	7.78	4.99	1.559	ok	1.561	1.501-1.621
Trichloroethylene	5.58	4.99	1.118	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.09	10.69	1.131	ok	1.130	1.070-1.190
o-Xylene	13.03	10.69	1.219	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.65	ok	3.65	3.32-3.98	189435	ok	180639	108383-252895
1,4-Difluorobenzene	4.99	ok	4.99	4.66-5.32	969216	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	956561	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	2.45	3.65	0.671	ok	0.672	0.612-0.732
Acrolein	2.40	3.65	0.658	ok	0.658	0.598-0.718
Acrylonitrile	2.61	3.65	0.715	ok	0.716	0.656-0.776
Acetonitrile	2.35	3.65	0.644	ok	0.644	0.584-0.704
1,3-Butadiene	2.06	3.65	0.564	ok	0.564	0.504-0.624
Benzene	4.65	3.65	1.274	ok	1.274	1.214-1.334
Bromobenzene	14.43	10.69	1.350	ok	1.350	1.290-1.410
Bromodichloromethane	5.53	4.99	1.108	ok	1.108	1.048-1.168
Bromoform	11.91	10.69	1.114	ok	1.114	1.054-1.174
Bromomethane	2.16	3.65	0.592	ok	0.592	0.532-0.652
Bromoethene	2.36	3.65	0.647	ok	0.647	0.587-0.707
n-Butane	2.08	3.65	0.570	ok	0.570	0.510-0.630
n-Butylbenzene	17.60	10.69	1.646	ok	1.646	1.586-1.706
sec-Butylbenzene	17.08	10.69	1.598	ok	1.598	1.538-1.658
tert-Butylbenzene	16.81	10.69	1.572	ok	1.572	1.512-1.632
Carbon disulfide	2.87	3.65	0.786	ok	0.786	0.726-0.846
Chlorobenzene	10.77	10.69	1.007	ok	1.008	0.948-1.068
Chlorodifluoromethane	1.84	3.65	0.504	ok	0.504	0.444-0.564
Chloroethane	2.23	3.65	0.611	ok	0.610	0.550-0.670
Chlorotrifluoroethene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Chloroform	3.73	3.65	1.022	ok	1.022	0.962-1.082
Chloromethane	1.93	3.65	0.529	ok	0.529	0.469-0.589
3-Chloropropene	2.81	3.65	0.770	ok	0.770	0.710-0.830
2-Chlorotoluene	15.57	10.69	1.457	ok	1.456	1.396-1.516
Carbon tetrachloride	4.77	3.65	1.307	ok	1.306	1.246-1.366
Cyclohexane	4.87	4.99	0.976	ok	0.977	0.917-1.037
1,1-Dichloroethane	3.19	3.65	0.874	ok	0.874	0.814-0.934
1,1-Dichloroethylene	2.73	3.65	0.748	ok	0.749	0.689-0.809
1,2-Dibromoethane (EDB)	8.68	4.99	1.739	ok	1.741	1.681-1.801
1,2-Dichloroethane	4.16	3.65	1.140	ok	1.138	1.078-1.198
1,2-Dichloropropane	5.34	4.99	1.070	ok	1.071	1.011-1.131
1,3-Dichloropropane	7.85	4.99	1.573	ok	1.573	1.513-1.633
1,4-Dioxane	5.59	4.99	1.120	ok	1.126	1.066-1.186
Dichlorodifluoromethane	1.87	3.65	0.512	ok	0.513	0.453-0.573
Dichlorofluoromethane	2.26	3.65	0.619	ok	0.619	0.559-0.679
Dibromochloromethane	8.33	4.99	1.669	ok	1.671	1.611-1.731
Dibromomethane	5.30	4.99	1.062	ok	1.063	1.003-1.123
trans-1,2-Dichloroethylene	3.11	3.65	0.852	ok	0.852	0.792-0.912
cis-1,2-Dichloroethylene	3.57	3.65	0.978	ok	0.978	0.918-1.038
cis-1,3-Dichloropropene	6.55	4.99	1.313	ok	1.313	1.253-1.373
m-Dichlorobenzene	16.88	10.69	1.579	ok	1.578	1.518-1.638

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	17.25	10.69	1.614	ok	1.613	1.553-1.673
p-Dichlorobenzene	16.96	10.69	1.587	ok	1.586	1.526-1.646
trans-1,3-Dichloropropene	7.24	4.99	1.451	ok	1.452	1.392-1.512
Di-Isopropyl ether	3.71	3.65	1.016	ok	1.016	0.956-1.076
2,3-Dimethylpentane	5.14	4.99	1.030	ok	1.029	0.969-1.089
2,4-Dimethylpentane	4.24	3.65	1.162	ok	1.162	1.102-1.222
Ethanol	2.26	3.65	0.619	ok	0.620	0.560-0.680
Ethylbenzene	11.66	10.69	1.091	ok	1.090	1.030-1.150
Ethyl Acetate	3.71	3.65	1.016	ok	1.017	0.957-1.077
Ethyl Acrylate	5.46	4.99	1.094	ok	1.096	1.036-1.156
4-Ethyltoluene	16.22	10.69	1.517	ok	1.517	1.457-1.577
Freon 113	2.87	3.65	0.786	ok	0.786	0.726-0.846
Freon 114	1.97	3.65	0.540	ok	0.539	0.479-0.599
Freon 123	2.42	3.65	0.663	ok	0.663	0.603-0.723
Freon 123A	2.44	3.65	0.668	ok	0.668	0.608-0.728
Freon 142B	1.92	3.65	0.526	ok	0.526	0.466-0.586
Freon 152A	1.82	3.65	0.499	ok	0.498	0.438-0.558
Heptane	6.01	4.99	1.204	ok	1.205	1.145-1.265
Hexachlorobutadiene	18.81	10.69	1.760	ok	1.760	1.700-1.820
Hexachloroethane	17.78	10.69	1.663	ok	1.663	1.603-1.723
Hexane	3.71	3.65	1.016	ok	1.015	0.955-1.075
2-Hexanone	8.35	4.99	1.673	ok	1.677	1.617-1.737
Iodomethane	2.70	3.65	0.740	ok	0.741	0.681-0.801
Isopropylbenzene	14.56	10.69	1.362	ok	1.361	1.301-1.421
Isopropyl Alcohol	2.54	3.65	0.696	ok	0.696	0.636-0.756
p-Isopropyltoluene	17.26	10.69	1.615	ok	1.614	1.554-1.674
Methylene chloride	2.77	3.65	0.759	ok	0.759	0.699-0.819
Methyl ethyl ketone	3.36	3.65	0.921	ok	0.922	0.862-0.982
Methyl Isobutyl Ketone	6.65	4.99	1.333	ok	1.333	1.273-1.393
Methyl Tert Butyl Ether	3.22	3.65	0.882	ok	0.883	0.823-0.943
Methylmethacrylate	5.90	4.99	1.182	ok	1.183	1.123-1.243
Naphthalene	18.56	10.69	1.736	ok	1.736	1.676-1.796
Nonane	14.15	10.69	1.324	ok	1.323	1.263-1.383
Octane	9.69	4.99	1.942	ok	1.942	1.882-2.002
Pentane	2.65	3.65	0.726	ok	0.724	0.664-0.784
n-Propylbenzene	15.91	10.69	1.488	ok	1.487	1.427-1.547
Propylene	1.85	3.65	0.507	ok	0.507	0.447-0.567
Styrene	12.82	10.69	1.199	ok	1.199	1.139-1.259
1,1,1-Trichloroethane	4.33	3.65	1.186	ok	1.185	1.125-1.245
1,1,1,2-Tetrachloroethane	10.78	10.69	1.008	ok	1.008	0.948-1.068
1,1,2,2-Tetrachloroethane	13.04	10.69	1.220	ok	1.220	1.160-1.280

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V2W2599-IC2599	2W58349.D	03/18/22 19:40	TCH	0.5	GCMS2W	TO-15	
V2W2599-IC2599	2W58350.D	03/18/22 20:15	TCH	0.2	GCMS2W	TO-15	
V2W2599-IC2599	2W58351.D	03/18/22 20:50	TCH	0.1	GCMS2W	TO-15	
V2W2599-IC2599	2W58352.D	03/18/22 21:26	TCH	0.04	GCMS2W	TO-15	
V2W2599-IC2599	2W58353.D	03/18/22 22:02	TCH	5	GCMS2W	TO-15	
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	TCH	10	GCMS2W	TO-15	
V2W2599-IC2599	2W58355.D	03/18/22 23:17	TCH	20	GCMS2W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	7.41	4.99	1.485	ok	1.485	1.425-1.545
1,2,4-Trichlorobenzene	18.51	10.69	1.732	ok	1.735	1.675-1.795
1,2,3-Trichloropropane	13.33	10.69	1.247	ok	1.247	1.187-1.307
1,2,3-Trimethylbenzene	17.20	10.69	1.609	ok	1.608	1.548-1.668
1,2,4-Trimethylbenzene	16.82	10.69	1.573	ok	1.573	1.513-1.633
1,3,5-Trimethylbenzene	16.37	10.69	1.531	ok	1.531	1.471-1.591
2,2,4-Trimethylpentane	5.68	4.99	1.138	ok	1.139	1.079-1.199
Tertiary Butyl Alcohol	2.74	3.65	0.751	ok	0.752	0.692-0.812
Tetrachloroethylene	9.55	4.99	1.914	ok	1.915	1.855-1.975
Tetrahydrofuran	3.95	3.65	1.082	ok	1.085	1.025-1.145
Toluene	7.79	4.99	1.561	ok	1.561	1.501-1.621
Trichloroethylene	5.59	4.99	1.120	ok	1.120	1.060-1.180
Trichlorofluoromethane	2.52	3.65	0.690	ok	0.691	0.631-0.751
Vinyl chloride	2.01	3.65	0.551	ok	0.551	0.491-0.611
Vinyl Acetate	3.26	3.65	0.893	ok	0.893	0.833-0.953
m,p-Xylene	12.10	10.69	1.132	ok	1.130	1.070-1.190
o-Xylene	13.04	10.69	1.220	ok	1.219	1.159-1.279

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	3.65	ok	3.65	3.32-3.98	239354	ok	180639	108383-252895
1,4-Difluorobenzene	4.99	ok	4.99	4.66-5.32	1230611	ok	933973	560384-1307562
Chlorobenzene-D5	10.69	ok	10.69	10.36-11.02	1170975	ok	869999	521999-1217999

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	Reporting this level
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	8.63	11.34	0.761	ok	0.761	0.701-0.821
Acrolein	8.06	11.34	0.711	ok	0.711	0.651-0.771
Acrylonitrile	10.04	11.34	0.885	ok	0.886	0.826-0.946
Acetonitrile	9.44	11.34	0.832	ok	0.833	0.773-0.893
1,3-Butadiene	5.05	11.34	0.445	ok	0.446	0.386-0.506
Benzene	12.50	11.34	1.102	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.50	13.53	1.072	ok	1.072	1.012-1.132
Bromoform	19.99	18.80	1.063	ok	1.063	1.003-1.123
Bromomethane	5.71	11.34	0.504	ok	0.504	0.444-0.564
Bromoethene	6.26	11.34	0.552	ok	0.552	0.492-0.612
n-Butane	4.89	11.34	0.431	ok	0.431	0.371-0.491
Benzyl Chloride	22.63	18.80	1.204	ok	1.204	1.144-1.264
n-Butylbenzene	22.65	18.80	1.205	ok	1.205	1.145-1.265
sec-Butylbenzene	21.94	18.80	1.167	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.48	11.34	0.660	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.45	11.34	0.392	ok	0.393	0.333-0.453
Chloroethane	6.01	11.34	0.530	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.34	11.34	0.383	ok	0.383	0.323-0.443
Chloroform	11.48	11.34	1.012	ok	1.012	0.952-1.072
Chloromethane	4.78	11.34	0.422	ok	0.422	0.362-0.482
3-Chloropropene	8.37	11.34	0.738	ok	0.738	0.678-0.798
2-Chlorotoluene	21.21	18.80	1.128	ok	1.128	1.068-1.188
Carbon tetrachloride	11.77	11.34	1.038	ok	1.038	0.978-1.098
Cyclohexane	11.43	11.34	1.008	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.03	11.34	0.884	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.43	11.34	0.655	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.85	13.53	1.319	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.82	11.34	1.131	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.39	13.53	1.064	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.53	1.298	ok	1.298	1.238-1.358
1,4-Dioxane	14.83	13.53	1.096	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.38	11.34	0.386	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.45	11.34	0.569	ok	0.569	0.509-0.629
Dibromochloromethane	17.40	13.53	1.286	ok	1.286	1.226-1.346
Dibromomethane	14.23	13.53	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.91	11.34	0.786	ok	0.786	0.726-0.846

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	Reporting this level
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	11.00	11.34	0.970	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.61	13.53	1.154	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.23	18.80	1.182	ok	1.183	1.123-1.243
o-Dichlorobenzene	22.87	18.80	1.216	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.34	18.80	1.188	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.76	13.53	1.239	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.87	11.34	0.870	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.34	1.023	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.17	11.34	0.897	ok	0.897	0.837-0.957
Ethanol	7.33	11.34	0.646	ok	0.646	0.586-0.706
Ethylbenzene	18.88	18.80	1.004	ok	1.005	0.945-1.065
Ethyl Acetate	11.67	11.34	1.029	ok	1.030	0.970-1.090
Ethyl Acrylate	14.39	13.53	1.064	ok	1.065	1.005-1.125
4-Ethyltoluene	21.14	18.80	1.124	ok	1.125	1.065-1.185
Freon 113	7.54	11.34	0.665	ok	0.665	0.605-0.725
Freon 114	4.69	11.34	0.414	ok	0.413	0.353-0.473
Freon 123	7.55	11.34	0.666	ok	0.666	0.606-0.726
Freon 123A	7.43	11.34	0.655	ok	0.655	0.595-0.715
Freon 142B	4.78	11.34	0.422	ok	0.422	0.362-0.482
Freon 152A	4.38	11.34	0.386	ok	0.386	0.326-0.446
Heptane	12.49	13.53	0.923	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.62	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.86	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.12	11.34	0.804	ok	0.804	0.744-0.864
2-Hexanone	18.20	13.53	1.345	ok	1.345	1.285-1.405
Iodomethane	7.69	11.34	0.678	ok	0.678	0.618-0.738
Isopropylbenzene	20.36	18.80	1.083	ok	1.083	1.023-1.143
Isopropyl Alcohol	8.44	11.34	0.744	ok	0.745	0.685-0.805
p-Isopropyltoluene	22.12	18.80	1.177	ok	1.177	1.117-1.237
Methylene chloride	8.56	11.34	0.755	ok	0.755	0.695-0.815
Methyl ethyl ketone	11.96	11.34	1.055	ok	1.056	0.996-1.116
Methyl Isobutyl Ketone	16.67	13.53	1.232	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.14	11.34	0.806	ok	0.807	0.747-0.867
Methylmethacrylate	14.75	13.53	1.090	ok	1.091	1.031-1.151
Naphthalene	25.08	18.80	1.334	ok	1.334	1.274-1.394
Nonane	18.73	18.80	0.996	ok	0.997	0.937-1.057
Octane	15.76	13.53	1.165	ok	1.165	1.105-1.225
Pentane	6.37	11.34	0.562	ok	0.561	0.501-0.621
n-Propylbenzene	20.98	18.80	1.116	ok	1.116	1.056-1.176

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	Reporting this level
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.29	11.34	0.378	ok	0.378	0.318-0.438
Styrene	19.94	18.80	1.061	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.86	11.34	1.046	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.53	1.401	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.04	18.80	1.119	ok	1.119	1.059-1.179
1,1,2-Trichloroethane	17.05	13.53	1.260	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.24	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.36	18.80	1.189	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.79	18.80	1.159	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.25	18.80	1.130	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.31	13.53	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.29	11.34	0.819	ok	0.820	0.760-0.880
Tetrachloroethylene	16.79	13.53	1.241	ok	1.241	1.181-1.301
Tetrahydrofuran	11.76	11.34	1.037	ok	1.039	0.979-1.099
Toluene	16.06	13.53	1.187	ok	1.187	1.127-1.247
Trichloroethylene	13.53	13.53	1.000	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.35	11.34	0.560	ok	0.560	0.500-0.620
Vinyl chloride	5.00	11.34	0.441	ok	0.441	0.381-0.501
Vinyl Acetate	10.47	11.34	0.923	ok	0.924	0.864-0.984
m,p-Xylene	19.14	18.80	1.018	ok	1.018	0.958-1.078
o-Xylene	19.86	18.80	1.056	ok	1.057	0.997-1.117
TVHC As Equiv Pentane	6.36	18.80	0.338	ok	0.338	0.278-0.398

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.34	ok	11.34	11.01-11.67	223640	ok	233255	139953-326557
1,4-Difluorobenzene	13.53	ok	13.53	13.20-13.86	848390	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	419558	ok	427560	256536-598584

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	8.62	11.34	0.760	ok	0.761	0.701-0.821
Acrolein	8.05	11.34	0.710	ok	0.711	0.651-0.771
Acrylonitrile	10.04	11.34	0.885	ok	0.886	0.826-0.946
Acetonitrile	9.44	11.34	0.832	ok	0.833	0.773-0.893
1,3-Butadiene	5.05	11.34	0.445	ok	0.446	0.386-0.506
Benzene	12.50	11.34	1.102	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.50	13.53	1.072	ok	1.072	1.012-1.132
Bromoform	19.99	18.80	1.063	ok	1.063	1.003-1.123
Bromomethane	5.71	11.34	0.504	ok	0.504	0.444-0.564
Bromoethene	6.26	11.34	0.552	ok	0.552	0.492-0.612
n-Butane	4.89	11.34	0.431	ok	0.431	0.371-0.491
Benzyl Chloride	22.63	18.80	1.204	ok	1.204	1.144-1.264
n-Butylbenzene	22.65	18.80	1.205	ok	1.205	1.145-1.265
sec-Butylbenzene	21.94	18.80	1.167	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.48	11.34	0.660	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.45	11.34	0.392	ok	0.393	0.333-0.453
Chloroethane	6.01	11.34	0.530	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.34	11.34	0.383	ok	0.383	0.323-0.443
Chloroform	11.48	11.34	1.012	ok	1.012	0.952-1.072
Chloromethane	4.78	11.34	0.422	ok	0.422	0.362-0.482
3-Chloropropene	8.37	11.34	0.738	ok	0.738	0.678-0.798
2-Chlorotoluene	21.21	18.80	1.128	ok	1.128	1.068-1.188
Carbon tetrachloride	11.77	11.34	1.038	ok	1.038	0.978-1.098
Cyclohexane	11.43	11.34	1.008	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.03	11.34	0.884	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.43	11.34	0.655	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.85	13.53	1.319	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.82	11.34	1.131	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.39	13.53	1.064	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.53	1.298	ok	1.298	1.238-1.358
1,4-Dioxane	14.83	13.53	1.096	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.38	11.34	0.386	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.45	11.34	0.569	ok	0.569	0.509-0.629
Dibromochloromethane	17.40	13.53	1.286	ok	1.286	1.226-1.346
Dibromomethane	14.22	13.53	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.91	11.34	0.786	ok	0.786	0.726-0.846

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	10.99	11.34	0.969	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.61	13.53	1.154	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.23	18.80	1.182	ok	1.183	1.123-1.243
o-Dichlorobenzene	22.87	18.80	1.216	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.34	18.80	1.188	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.76	13.53	1.239	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.87	11.34	0.870	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.34	1.023	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.17	11.34	0.897	ok	0.897	0.837-0.957
Ethanol	7.32	11.34	0.646	ok	0.646	0.586-0.706
Ethylbenzene	18.88	18.80	1.004	ok	1.005	0.945-1.065
Ethyl Acetate	11.67	11.34	1.029	ok	1.030	0.970-1.090
Ethyl Acrylate	14.39	13.53	1.064	ok	1.065	1.005-1.125
4-Ethyltoluene	21.14	18.80	1.124	ok	1.125	1.065-1.185
Freon 113	7.54	11.34	0.665	ok	0.665	0.605-0.725
Freon 114	4.69	11.34	0.414	ok	0.413	0.353-0.473
Freon 123	7.55	11.34	0.666	ok	0.666	0.606-0.726
Freon 123A	7.42	11.34	0.654	ok	0.655	0.595-0.715
Freon 142B	4.78	11.34	0.422	ok	0.422	0.362-0.482
Freon 152A	4.38	11.34	0.386	ok	0.386	0.326-0.446
Heptane	12.49	13.53	0.923	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.62	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.87	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.11	11.34	0.803	ok	0.804	0.744-0.864
2-Hexanone	18.20	13.53	1.345	ok	1.345	1.285-1.405
Iodomethane	7.69	11.34	0.678	ok	0.678	0.618-0.738
Isopropylbenzene	20.36	18.80	1.083	ok	1.083	1.023-1.143
Isopropyl Alcohol	8.43	11.34	0.743	ok	0.745	0.685-0.805
p-Isopropyltoluene	22.12	18.80	1.177	ok	1.177	1.117-1.237
Methylene chloride	8.56	11.34	0.755	ok	0.755	0.695-0.815
Methyl ethyl ketone	11.96	11.34	1.055	ok	1.056	0.996-1.116
Methyl Isobutyl Ketone	16.67	13.53	1.232	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.14	11.34	0.806	ok	0.807	0.747-0.867
Methylmethacrylate	14.75	13.53	1.090	ok	1.091	1.031-1.151
Naphthalene	25.08	18.80	1.334	ok	1.334	1.274-1.394
Nonane	18.73	18.80	0.996	ok	0.997	0.937-1.057
Octane	15.76	13.53	1.165	ok	1.165	1.105-1.225
Pentane	6.37	11.34	0.562	ok	0.561	0.501-0.621
n-Propylbenzene	20.98	18.80	1.116	ok	1.116	1.056-1.176

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.28	11.34	0.377	ok	0.378	0.318-0.438
Styrene	19.94	18.80	1.061	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.86	11.34	1.046	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.53	1.401	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.04	18.80	1.119	ok	1.119	1.059-1.179
1,1,2-Trichloroethane	17.06	13.53	1.261	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.24	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.36	18.80	1.189	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.79	18.80	1.159	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.25	18.80	1.130	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.31	13.53	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.28	11.34	0.818	ok	0.820	0.760-0.880
Tetrachloroethylene	16.79	13.53	1.241	ok	1.241	1.181-1.301
Tetrahydrofuran	11.76	11.34	1.037	ok	1.039	0.979-1.099
Toluene	16.06	13.53	1.187	ok	1.187	1.127-1.247
Trichloroethylene	13.52	13.53	0.999	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.35	11.34	0.560	ok	0.560	0.500-0.620
Vinyl chloride	5.00	11.34	0.441	ok	0.441	0.381-0.501
Vinyl Acetate	10.47	11.34	0.923	ok	0.924	0.864-0.984
m,p-Xylene	19.14	18.80	1.018	ok	1.018	0.958-1.078
o-Xylene	19.86	18.80	1.056	ok	1.057	0.997-1.117
TVHC As Equiv Pentane	6.36	18.80	0.338	ok	0.338	0.278-0.398

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.34	ok	11.34	11.01-11.67	221043	ok	233255	139953-326557
1,4-Difluorobenzene	13.53	ok	13.53	13.20-13.86	827555	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	411912	ok	427560	256536-598584

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	8.62	11.34	0.760	ok	0.761	0.701-0.821
Acrolein	8.05	11.34	0.710	ok	0.711	0.651-0.771
Acrylonitrile	10.04	11.34	0.885	ok	0.886	0.826-0.946
Acetonitrile	9.44	11.34	0.832	ok	0.833	0.773-0.893
1,3-Butadiene	5.05	11.34	0.445	ok	0.446	0.386-0.506
Benzene	12.50	11.34	1.102	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.50	13.54	1.071	ok	1.072	1.012-1.132
Bromoform	19.99	18.80	1.063	ok	1.063	1.003-1.123
Bromomethane	5.71	11.34	0.504	ok	0.504	0.444-0.564
Bromoethene	6.26	11.34	0.552	ok	0.552	0.492-0.612
n-Butane	4.89	11.34	0.431	ok	0.431	0.371-0.491
Benzyl Chloride	22.63	18.80	1.204	ok	1.204	1.144-1.264
n-Butylbenzene	22.66	18.80	1.205	ok	1.205	1.145-1.265
sec-Butylbenzene	21.94	18.80	1.167	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.47	11.34	0.659	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.45	11.34	0.392	ok	0.393	0.333-0.453
Chloroethane	6.01	11.34	0.530	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.34	11.34	0.383	ok	0.383	0.323-0.443
Chloroform	11.48	11.34	1.012	ok	1.012	0.952-1.072
Chloromethane	4.78	11.34	0.422	ok	0.422	0.362-0.482
3-Chloropropene	8.37	11.34	0.738	ok	0.738	0.678-0.798
2-Chlorotoluene	21.21	18.80	1.128	ok	1.128	1.068-1.188
Carbon tetrachloride	11.78	11.34	1.039	ok	1.038	0.978-1.098
Cyclohexane	11.43	11.34	1.008	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.03	11.34	0.884	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.43	11.34	0.655	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.85	13.54	1.318	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.82	11.34	1.131	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.39	13.54	1.063	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.54	1.297	ok	1.298	1.238-1.358
1,4-Dioxane	14.83	13.54	1.095	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.38	11.34	0.386	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.45	11.34	0.569	ok	0.569	0.509-0.629
Dibromochloromethane	17.41	13.54	1.286	ok	1.286	1.226-1.346
Dibromomethane	14.23	13.54	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.91	11.34	0.786	ok	0.786	0.726-0.846

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	11.00	11.34	0.970	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.61	13.54	1.153	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.23	18.80	1.182	ok	1.183	1.123-1.243
o-Dichlorobenzene	22.87	18.80	1.216	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.34	18.80	1.188	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.76	13.54	1.238	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.87	11.34	0.870	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.34	1.023	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.17	11.34	0.897	ok	0.897	0.837-0.957
Ethanol	7.32	11.34	0.646	ok	0.646	0.586-0.706
Ethylbenzene	18.88	18.80	1.004	ok	1.005	0.945-1.065
Ethyl Acetate	11.67	11.34	1.029	ok	1.030	0.970-1.090
Ethyl Acrylate	14.39	13.54	1.063	ok	1.065	1.005-1.125
4-Ethyltoluene	21.14	18.80	1.124	ok	1.125	1.065-1.185
Freon 113	7.54	11.34	0.665	ok	0.665	0.605-0.725
Freon 114	4.68	11.34	0.413	ok	0.413	0.353-0.473
Freon 123	7.54	11.34	0.665	ok	0.666	0.606-0.726
Freon 123A	7.42	11.34	0.654	ok	0.655	0.595-0.715
Freon 142B	4.78	11.34	0.422	ok	0.422	0.362-0.482
Freon 152A	4.38	11.34	0.386	ok	0.386	0.326-0.446
Heptane	12.49	13.54	0.922	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.62	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.87	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.11	11.34	0.803	ok	0.804	0.744-0.864
2-Hexanone	18.20	13.54	1.344	ok	1.345	1.285-1.405
Iodomethane	7.69	11.34	0.678	ok	0.678	0.618-0.738
Isopropylbenzene	20.36	18.80	1.083	ok	1.083	1.023-1.143
Isopropyl Alcohol	8.44	11.34	0.744	ok	0.745	0.685-0.805
p-Isopropyltoluene	22.12	18.80	1.177	ok	1.177	1.117-1.237
Methylene chloride	8.56	11.34	0.755	ok	0.755	0.695-0.815
Methyl ethyl ketone	11.96	11.34	1.055	ok	1.056	0.996-1.116
Methyl Isobutyl Ketone	16.67	13.54	1.231	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.14	11.34	0.806	ok	0.807	0.747-0.867
Methylmethacrylate	14.75	13.54	1.089	ok	1.091	1.031-1.151
Naphthalene	25.08	18.80	1.334	ok	1.334	1.274-1.394
Nonane	18.74	18.80	0.997	ok	0.997	0.937-1.057
Octane	15.77	13.54	1.165	ok	1.165	1.105-1.225
Pentane	6.36	11.34	0.561	ok	0.561	0.501-0.621
n-Propylbenzene	20.98	18.80	1.116	ok	1.116	1.056-1.176

Initial Calibration Retention Time/Internal Standard Area Summary

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.28	11.34	0.377	ok	0.378	0.318-0.438
Styrene	19.94	18.80	1.061	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.87	11.34	1.047	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.54	1.400	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.04	18.80	1.119	ok	1.119	1.059-1.179
1,1,2-Trichloroethane	17.06	13.54	1.260	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.25	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.36	18.80	1.189	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.79	18.80	1.159	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.25	18.80	1.130	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.32	13.54	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.28	11.34	0.818	ok	0.820	0.760-0.880
Tetrachloroethylene	16.79	13.54	1.240	ok	1.241	1.181-1.301
Tetrahydrofuran	11.76	11.34	1.037	ok	1.039	0.979-1.099
Toluene	16.06	13.54	1.186	ok	1.187	1.127-1.247
Trichloroethylene	13.53	13.54	0.999	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.34	11.34	0.559	ok	0.560	0.500-0.620
Vinyl chloride	5.00	11.34	0.441	ok	0.441	0.381-0.501
Vinyl Acetate	10.47	11.34	0.923	ok	0.924	0.864-0.984
m,p-Xylene	19.15	18.80	1.019	ok	1.018	0.958-1.078
o-Xylene	19.86	18.80	1.056	ok	1.057	0.997-1.117
TVHC As Equiv Pentane	6.36	18.80	0.338	ok	0.338	0.278-0.398

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.34	ok	11.34	11.01-11.67	221431	ok	233255	139953-326557
1,4-Difluorobenzene	13.54	ok	13.53	13.20-13.86	805251	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	405673	ok	427560	256536-598584

Initial Calibration Retention Time/Internal Standard Area Summary

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V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	8.62	11.35	0.759	ok	0.761	0.701-0.821
Acrolein	8.05	11.35	0.709	ok	0.711	0.651-0.771
Acrylonitrile	10.04	11.35	0.885	ok	0.886	0.826-0.946
Acetonitrile	9.44	11.35	0.832	ok	0.833	0.773-0.893
1,3-Butadiene	5.05	11.35	0.445	ok	0.446	0.386-0.506
Benzene	12.50	11.35	1.101	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.51	13.54	1.072	ok	1.072	1.012-1.132
Bromoform	19.99	18.80	1.063	ok	1.063	1.003-1.123
Bromomethane	5.71	11.35	0.503	ok	0.504	0.444-0.564
Bromoethene	6.26	11.35	0.552	ok	0.552	0.492-0.612
n-Butane	4.89	11.35	0.431	ok	0.431	0.371-0.491
Benzyl Chloride	22.63	18.80	1.204	ok	1.204	1.144-1.264
n-Butylbenzene	22.66	18.80	1.205	ok	1.205	1.145-1.265
sec-Butylbenzene	21.94	18.80	1.167	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.48	11.35	0.659	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.45	11.35	0.392	ok	0.393	0.333-0.453
Chloroethane	6.01	11.35	0.530	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.34	11.35	0.382	ok	0.383	0.323-0.443
Chloroform	11.48	11.35	1.011	ok	1.012	0.952-1.072
Chloromethane	4.78	11.35	0.421	ok	0.422	0.362-0.482
3-Chloropropene	8.37	11.35	0.737	ok	0.738	0.678-0.798
2-Chlorotoluene	21.22	18.80	1.129	ok	1.128	1.068-1.188
Carbon tetrachloride	11.78	11.35	1.038	ok	1.038	0.978-1.098
Cyclohexane	11.43	11.35	1.007	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.03	11.35	0.884	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.43	11.35	0.655	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.86	13.54	1.319	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.82	11.35	1.130	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.39	13.54	1.063	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.54	1.297	ok	1.298	1.238-1.358
1,4-Dioxane	14.83	13.54	1.095	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.38	11.35	0.386	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.45	11.35	0.568	ok	0.569	0.509-0.629
Dibromochloromethane	17.41	13.54	1.286	ok	1.286	1.226-1.346
Dibromomethane	14.23	13.54	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.91	11.35	0.785	ok	0.786	0.726-0.846

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
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Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	11.00	11.35	0.969	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.61	13.54	1.153	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.24	18.80	1.183	ok	1.183	1.123-1.243
o-Dichlorobenzene	22.88	18.80	1.217	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.35	18.80	1.189	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.76	13.54	1.238	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.87	11.35	0.870	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.35	1.022	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.18	11.35	0.897	ok	0.897	0.837-0.957
Ethanol	7.32	11.35	0.645	ok	0.646	0.586-0.706
Ethylbenzene	18.89	18.80	1.005	ok	1.005	0.945-1.065
Ethyl Acetate	11.67	11.35	1.028	ok	1.030	0.970-1.090
Ethyl Acrylate	14.39	13.54	1.063	ok	1.065	1.005-1.125
4-Ethyltoluene	21.14	18.80	1.124	ok	1.125	1.065-1.185
Freon 113	7.54	11.35	0.664	ok	0.665	0.605-0.725
Freon 114	4.69	11.35	0.413	ok	0.413	0.353-0.473
Freon 123	7.55	11.35	0.665	ok	0.666	0.606-0.726
Freon 123A	7.42	11.35	0.654	ok	0.655	0.595-0.715
Freon 142B	4.78	11.35	0.421	ok	0.422	0.362-0.482
Freon 152A	4.38	11.35	0.386	ok	0.386	0.326-0.446
Heptane	12.50	13.54	0.923	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.63	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.86	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.12	11.35	0.804	ok	0.804	0.744-0.864
2-Hexanone	18.20	13.54	1.344	ok	1.345	1.285-1.405
Iodomethane	7.70	11.35	0.678	ok	0.678	0.618-0.738
Isopropylbenzene	20.36	18.80	1.083	ok	1.083	1.023-1.143
Isopropyl Alcohol	8.44	11.35	0.744	ok	0.745	0.685-0.805
p-Isopropyltoluene	22.13	18.80	1.177	ok	1.177	1.117-1.237
Methylene chloride	8.56	11.35	0.754	ok	0.755	0.695-0.815
Methyl ethyl ketone	11.96	11.35	1.054	ok	1.056	0.996-1.116
Methyl Isobutyl Ketone	16.67	13.54	1.231	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.14	11.35	0.805	ok	0.807	0.747-0.867
Methylmethacrylate	14.75	13.54	1.089	ok	1.091	1.031-1.151
Naphthalene	25.08	18.80	1.334	ok	1.334	1.274-1.394
Nonane	18.74	18.80	0.997	ok	0.997	0.937-1.057
Octane	15.77	13.54	1.165	ok	1.165	1.105-1.225
Pentane	6.37	11.35	0.561	ok	0.561	0.501-0.621
n-Propylbenzene	20.98	18.80	1.116	ok	1.116	1.056-1.176

Initial Calibration Retention Time/Internal Standard Area Summary

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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.28	11.35	0.377	ok	0.378	0.318-0.438
Styrene	19.94	18.80	1.061	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.87	11.35	1.046	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.54	1.400	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.05	18.80	1.120	ok	1.119	1.059-1.179
1,1,2-Trichloroethane	17.06	13.54	1.260	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.25	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.37	18.80	1.190	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.79	18.80	1.159	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.26	18.80	1.131	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.32	13.54	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.29	11.35	0.819	ok	0.820	0.760-0.880
Tetrachloroethylene	16.80	13.54	1.241	ok	1.241	1.181-1.301
Tetrahydrofuran	11.76	11.35	1.036	ok	1.039	0.979-1.099
Toluene	16.06	13.54	1.186	ok	1.187	1.127-1.247
Trichloroethylene	13.53	13.54	0.999	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.34	11.35	0.559	ok	0.560	0.500-0.620
Vinyl chloride	5.00	11.35	0.441	ok	0.441	0.381-0.501
Vinyl Acetate	10.47	11.35	0.922	ok	0.924	0.864-0.984
m,p-Xylene	19.15	18.80	1.019	ok	1.018	0.958-1.078
o-Xylene	19.87	18.80	1.057	ok	1.057	0.997-1.117
TVHC As Equiv Pentane	6.36	18.80	0.338	ok	0.338	0.278-0.398

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.35	ok	11.34	11.01-11.67	221873	ok	233255	139953-326557
1,4-Difluorobenzene	13.54	ok	13.53	13.20-13.86	766473	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	402553	ok	427560	256536-598584

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	8.61	11.34	0.759	ok	0.761	0.701-0.821
Acrolein	8.04	11.34	0.709	ok	0.711	0.651-0.771
Acrylonitrile	10.04	11.34	0.885	ok	0.886	0.826-0.946
Acetonitrile	9.43	11.34	0.832	ok	0.833	0.773-0.893
1,3-Butadiene	5.05	11.34	0.445	ok	0.446	0.386-0.506
Benzene	12.50	11.34	1.102	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.50	13.54	1.071	ok	1.072	1.012-1.132
Bromoform	20.00	18.80	1.064	ok	1.063	1.003-1.123
Bromomethane	5.70	11.34	0.503	ok	0.504	0.444-0.564
Bromoethene	6.26	11.34	0.552	ok	0.552	0.492-0.612
n-Butane	4.88	11.34	0.430	ok	0.431	0.371-0.491
Benzyl Chloride	22.63	18.80	1.204	ok	1.204	1.144-1.264
n-Butylbenzene	22.66	18.80	1.205	ok	1.205	1.145-1.265
sec-Butylbenzene	21.95	18.80	1.168	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.47	11.34	0.659	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.44	11.34	0.392	ok	0.393	0.333-0.453
Chloroethane	6.00	11.34	0.529	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.33	11.34	0.382	ok	0.383	0.323-0.443
Chloroform	11.48	11.34	1.012	ok	1.012	0.952-1.072
Chloromethane	4.78	11.34	0.422	ok	0.422	0.362-0.482
3-Chloropropene	8.37	11.34	0.738	ok	0.738	0.678-0.798
2-Chlorotoluene	21.22	18.80	1.129	ok	1.128	1.068-1.188
Carbon tetrachloride	11.78	11.34	1.039	ok	1.038	0.978-1.098
Cyclohexane	11.43	11.34	1.008	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.03	11.34	0.884	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.42	11.34	0.654	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.86	13.54	1.319	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.82	11.34	1.131	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.39	13.54	1.063	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.54	1.297	ok	1.298	1.238-1.358
1,4-Dioxane	14.83	13.54	1.095	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.37	11.34	0.385	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.45	11.34	0.569	ok	0.569	0.509-0.629
Dibromochloromethane	17.41	13.54	1.286	ok	1.286	1.226-1.346
Dibromomethane	14.23	13.54	1.051	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.90	11.34	0.785	ok	0.786	0.726-0.846

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	11.00	11.34	0.970	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.61	13.54	1.153	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.24	18.80	1.183	ok	1.183	1.123-1.243
o-Dichlorobenzene	22.88	18.80	1.217	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.35	18.80	1.189	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.76	13.54	1.238	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.86	11.34	0.869	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.34	1.023	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.17	11.34	0.897	ok	0.897	0.837-0.957
Ethanol	7.32	11.34	0.646	ok	0.646	0.586-0.706
Ethylbenzene	18.90	18.80	1.005	ok	1.005	0.945-1.065
Ethyl Acetate	11.67	11.34	1.029	ok	1.030	0.970-1.090
Ethyl Acrylate	14.39	13.54	1.063	ok	1.065	1.005-1.125
4-Ethyltoluene	21.15	18.80	1.125	ok	1.125	1.065-1.185
Freon 113	7.54	11.34	0.665	ok	0.665	0.605-0.725
Freon 114	4.68	11.34	0.413	ok	0.413	0.353-0.473
Freon 123	7.54	11.34	0.665	ok	0.666	0.606-0.726
Freon 123A	7.41	11.34	0.653	ok	0.655	0.595-0.715
Freon 142B	4.78	11.34	0.422	ok	0.422	0.362-0.482
Freon 152A	4.37	11.34	0.385	ok	0.386	0.326-0.446
Heptane	12.50	13.54	0.923	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.63	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.86	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.11	11.34	0.803	ok	0.804	0.744-0.864
2-Hexanone	18.20	13.54	1.344	ok	1.345	1.285-1.405
Iodomethane	7.69	11.34	0.678	ok	0.678	0.618-0.738
Isopropylbenzene	20.36	18.80	1.083	ok	1.083	1.023-1.143
Isopropyl Alcohol	8.44	11.34	0.744	ok	0.745	0.685-0.805
p-Isopropyltoluene	22.13	18.80	1.177	ok	1.177	1.117-1.237
Methylene chloride	8.56	11.34	0.755	ok	0.755	0.695-0.815
Methyl ethyl ketone	11.95	11.34	1.054	ok	1.056	0.996-1.116
Methyl Isobutyl Ketone	16.68	13.54	1.232	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.13	11.34	0.805	ok	0.807	0.747-0.867
Methylmethacrylate	14.75	13.54	1.089	ok	1.091	1.031-1.151
Naphthalene	25.08	18.80	1.334	ok	1.334	1.274-1.394
Nonane	18.74	18.80	0.997	ok	0.997	0.937-1.057
Octane	15.78	13.54	1.165	ok	1.165	1.105-1.225
Pentane	6.36	11.34	0.561	ok	0.561	0.501-0.621
n-Propylbenzene	20.99	18.80	1.116	ok	1.116	1.056-1.176

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.28	11.34	0.377	ok	0.378	0.318-0.438
Styrene	19.94	18.80	1.061	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.87	11.34	1.047	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.54	1.400	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.05	18.80	1.120	ok	1.119	1.059-1.179
1,1,2-Trichloroethane	17.06	13.54	1.260	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.25	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.37	18.80	1.190	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.80	18.80	1.160	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.26	18.80	1.131	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.32	13.54	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.28	11.34	0.818	ok	0.820	0.760-0.880
Tetrachloroethylene	16.80	13.54	1.241	ok	1.241	1.181-1.301
Tetrahydrofuran	11.76	11.34	1.037	ok	1.039	0.979-1.099
Toluene	16.06	13.54	1.186	ok	1.187	1.127-1.247
Trichloroethylene	13.53	13.54	0.999	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.34	11.34	0.559	ok	0.560	0.500-0.620
Vinyl chloride	4.99	11.34	0.440	ok	0.441	0.381-0.501
Vinyl Acetate	10.47	11.34	0.923	ok	0.924	0.864-0.984
m,p-Xylene	19.15	18.80	1.019	ok	1.018	0.958-1.078
o-Xylene	19.87	18.80	1.057	ok	1.057	0.997-1.117
TVHC As Equiv Pentane	6.35	18.80	0.338	ok	0.338	0.278-0.398

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.34	ok	11.34	11.01-11.67	223497	ok	233255	139953-326557
1,4-Difluorobenzene	13.54	ok	13.53	13.20-13.86	749975	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	394193	ok	427560	256536-598584

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	8.64	11.34	0.762	ok	0.761	0.701-0.821
Acrolein	8.06	11.34	0.711	ok	0.711	0.651-0.771
Acrylonitrile	10.05	11.34	0.886	ok	0.886	0.826-0.946
Acetonitrile	9.45	11.34	0.833	ok	0.833	0.773-0.893
1,3-Butadiene	5.06	11.34	0.446	ok	0.446	0.386-0.506
Benzene	12.50	11.34	1.102	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.50	13.53	1.072	ok	1.072	1.012-1.132
Bromoform	19.99	18.80	1.063	ok	1.063	1.003-1.123
Bromomethane	5.72	11.34	0.504	ok	0.504	0.444-0.564
Bromoethene	6.26	11.34	0.552	ok	0.552	0.492-0.612
n-Butane	4.89	11.34	0.431	ok	0.431	0.371-0.491
Benzyl Chloride	22.63	18.80	1.204	ok	1.204	1.144-1.264
n-Butylbenzene	22.65	18.80	1.205	ok	1.205	1.145-1.265
sec-Butylbenzene	21.94	18.80	1.167	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.48	11.34	0.660	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.46	11.34	0.393	ok	0.393	0.333-0.453
Chloroethane	6.01	11.34	0.530	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.35	11.34	0.384	ok	0.383	0.323-0.443
Chloroform	11.48	11.34	1.012	ok	1.012	0.952-1.072
Chloromethane	4.80	11.34	0.423	ok	0.422	0.362-0.482
3-Chloropropene	8.37	11.34	0.738	ok	0.738	0.678-0.798
2-Chlorotoluene	21.21	18.80	1.128	ok	1.128	1.068-1.188
Carbon tetrachloride	11.77	11.34	1.038	ok	1.038	0.978-1.098
Cyclohexane	11.42	11.34	1.007	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.03	11.34	0.884	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.43	11.34	0.655	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.85	13.53	1.319	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.82	11.34	1.131	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.39	13.53	1.064	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.53	1.298	ok	1.298	1.238-1.358
1,4-Dioxane	14.85	13.53	1.098	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.39	11.34	0.387	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.45	11.34	0.569	ok	0.569	0.509-0.629
Dibromochloromethane	17.40	13.53	1.286	ok	1.286	1.226-1.346
Dibromomethane	14.23	13.53	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.91	11.34	0.786	ok	0.786	0.726-0.846

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	11.00	11.34	0.970	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.61	13.53	1.154	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.23	18.80	1.182	ok	1.183	1.123-1.243
o-Dichlorobenzene	22.87	18.80	1.216	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.34	18.80	1.188	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.76	13.53	1.239	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.87	11.34	0.870	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.34	1.023	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.17	11.34	0.897	ok	0.897	0.837-0.957
Ethanol	7.33	11.34	0.646	ok	0.646	0.586-0.706
Ethylbenzene	18.88	18.80	1.004	ok	1.005	0.945-1.065
Ethyl Acetate	11.68	11.34	1.030	ok	1.030	0.970-1.090
Ethyl Acrylate	14.41	13.53	1.065	ok	1.065	1.005-1.125
4-Ethyltoluene	21.14	18.80	1.124	ok	1.125	1.065-1.185
Freon 113	7.54	11.34	0.665	ok	0.665	0.605-0.725
Freon 114	4.69	11.34	0.414	ok	0.413	0.353-0.473
Freon 123	7.55	11.34	0.666	ok	0.666	0.606-0.726
Freon 123A	7.43	11.34	0.655	ok	0.655	0.595-0.715
Freon 142B	4.79	11.34	0.422	ok	0.422	0.362-0.482
Freon 152A	4.39	11.34	0.387	ok	0.386	0.326-0.446
Heptane	12.49	13.53	0.923	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.62	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.86	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.11	11.34	0.803	ok	0.804	0.744-0.864
2-Hexanone	18.21	13.53	1.346	ok	1.345	1.285-1.405
Iodomethane	7.69	11.34	0.678	ok	0.678	0.618-0.738
Isopropylbenzene	20.36	18.80	1.083	ok	1.083	1.023-1.143
Isopropyl Alcohol	8.45	11.34	0.745	ok	0.745	0.685-0.805
p-Isopropyltoluene	22.12	18.80	1.177	ok	1.177	1.117-1.237
Methylene chloride	8.56	11.34	0.755	ok	0.755	0.695-0.815
Methyl ethyl ketone	11.98	11.34	1.056	ok	1.056	0.996-1.116
Methyl Isobutyl Ketone	16.68	13.53	1.233	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.16	11.34	0.808	ok	0.807	0.747-0.867
Methylmethacrylate	14.76	13.53	1.091	ok	1.091	1.031-1.151
Naphthalene	25.09	18.80	1.335	ok	1.334	1.274-1.394
Nonane	18.73	18.80	0.996	ok	0.997	0.937-1.057
Octane	15.76	13.53	1.165	ok	1.165	1.105-1.225
Pentane	6.36	11.34	0.561	ok	0.561	0.501-0.621
n-Propylbenzene	20.98	18.80	1.116	ok	1.116	1.056-1.176

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.30	11.34	0.379	ok	0.378	0.318-0.438
Styrene	19.94	18.80	1.061	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.86	11.34	1.046	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.53	1.401	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.04	18.80	1.119	ok	1.119	1.059-1.179
1,1,2-Trichloroethane	17.06	13.53	1.261	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.24	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.36	18.80	1.189	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.79	18.80	1.159	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.25	18.80	1.130	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.31	13.53	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.30	11.34	0.820	ok	0.820	0.760-0.880
Tetrachloroethylene	16.79	13.53	1.241	ok	1.241	1.181-1.301
Tetrahydrofuran	11.78	11.34	1.039	ok	1.039	0.979-1.099
Toluene	16.06	13.53	1.187	ok	1.187	1.127-1.247
Trichloroethylene	13.53	13.53	1.000	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.34	11.34	0.559	ok	0.560	0.500-0.620
Vinyl chloride	5.00	11.34	0.441	ok	0.441	0.381-0.501
Vinyl Acetate	10.48	11.34	0.924	ok	0.924	0.864-0.984
m,p-Xylene	19.14	18.80	1.018	ok	1.018	0.958-1.078
o-Xylene	19.86	18.80	1.056	ok	1.057	0.997-1.117
TVHC As Equiv Pentane	6.36	18.80	0.338	ok	0.338	0.278-0.398

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.34	ok	11.34	11.01-11.67	253931	ok	233255	139953-326557
1,4-Difluorobenzene	13.53	ok	13.53	13.20-13.86	979561	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	467157	ok	427560	256536-598584

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
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Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	8.66	11.34	0.764	ok	0.761	0.701-0.821
Acrolein	8.09	11.34	0.713	ok	0.711	0.651-0.771
Acrylonitrile	10.07	11.34	0.888	ok	0.886	0.826-0.946
Acetonitrile	9.46	11.34	0.834	ok	0.833	0.773-0.893
1,3-Butadiene	5.06	11.34	0.446	ok	0.446	0.386-0.506
Benzene	12.50	11.34	1.102	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.51	13.53	1.072	ok	1.072	1.012-1.132
Bromoform	19.99	18.80	1.063	ok	1.063	1.003-1.123
Bromomethane	5.71	11.34	0.504	ok	0.504	0.444-0.564
Bromoethene	6.27	11.34	0.553	ok	0.552	0.492-0.612
n-Butane	4.89	11.34	0.431	ok	0.431	0.371-0.491
Benzyl Chloride	22.64	18.80	1.204	ok	1.204	1.144-1.264
n-Butylbenzene	22.66	18.80	1.205	ok	1.205	1.145-1.265
sec-Butylbenzene	21.94	18.80	1.167	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.48	11.34	0.660	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.46	11.34	0.393	ok	0.393	0.333-0.453
Chloroethane	6.01	11.34	0.530	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.34	11.34	0.383	ok	0.383	0.323-0.443
Chloroform	11.48	11.34	1.012	ok	1.012	0.952-1.072
Chloromethane	4.80	11.34	0.423	ok	0.422	0.362-0.482
3-Chloropropene	8.38	11.34	0.739	ok	0.738	0.678-0.798
2-Chlorotoluene	21.22	18.80	1.129	ok	1.128	1.068-1.188
Carbon tetrachloride	11.77	11.34	1.038	ok	1.038	0.978-1.098
Cyclohexane	11.42	11.34	1.007	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.03	11.34	0.884	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.43	11.34	0.655	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.86	13.53	1.320	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.82	11.34	1.131	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.40	13.53	1.064	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.53	1.298	ok	1.298	1.238-1.358
1,4-Dioxane	14.85	13.53	1.098	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.39	11.34	0.387	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.46	11.34	0.570	ok	0.569	0.509-0.629
Dibromochloromethane	17.41	13.53	1.287	ok	1.286	1.226-1.346
Dibromomethane	14.23	13.53	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.91	11.34	0.786	ok	0.786	0.726-0.846

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
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Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	11.00	11.34	0.970	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.62	13.53	1.154	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.24	18.80	1.183	ok	1.183	1.123-1.243
o-Dichlorobenzene	22.87	18.80	1.216	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.35	18.80	1.189	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.77	13.53	1.239	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.89	11.34	0.872	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.34	1.023	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.17	11.34	0.897	ok	0.897	0.837-0.957
Ethanol	7.36	11.34	0.649	ok	0.646	0.586-0.706
Ethylbenzene	18.89	18.80	1.005	ok	1.005	0.945-1.065
Ethyl Acetate	11.70	11.34	1.032	ok	1.030	0.970-1.090
Ethyl Acrylate	14.44	13.53	1.067	ok	1.065	1.005-1.125
4-Ethyltoluene	21.14	18.80	1.124	ok	1.125	1.065-1.185
Freon 113	7.54	11.34	0.665	ok	0.665	0.605-0.725
Freon 114	4.69	11.34	0.414	ok	0.413	0.353-0.473
Freon 123	7.55	11.34	0.666	ok	0.666	0.606-0.726
Freon 123A	7.43	11.34	0.655	ok	0.655	0.595-0.715
Freon 142B	4.79	11.34	0.422	ok	0.422	0.362-0.482
Freon 152A	4.39	11.34	0.387	ok	0.386	0.326-0.446
Heptane	12.50	13.53	0.924	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.62	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.86	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.12	11.34	0.804	ok	0.804	0.744-0.864
2-Hexanone	18.22	13.53	1.347	ok	1.345	1.285-1.405
Iodomethane	7.70	11.34	0.679	ok	0.678	0.618-0.738
Isopropylbenzene	20.36	18.80	1.083	ok	1.083	1.023-1.143
Isopropyl Alcohol	8.47	11.34	0.747	ok	0.745	0.685-0.805
p-Isopropyltoluene	22.13	18.80	1.177	ok	1.177	1.117-1.237
Methylene chloride	8.56	11.34	0.755	ok	0.755	0.695-0.815
Methyl ethyl ketone	12.00	11.34	1.058	ok	1.056	0.996-1.116
Methyl Isobutyl Ketone	16.69	13.53	1.234	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.17	11.34	0.809	ok	0.807	0.747-0.867
Methylmethacrylate	14.78	13.53	1.092	ok	1.091	1.031-1.151
Naphthalene	25.09	18.80	1.335	ok	1.334	1.274-1.394
Nonane	18.74	18.80	0.997	ok	0.997	0.937-1.057
Octane	15.76	13.53	1.165	ok	1.165	1.105-1.225
Pentane	6.37	11.34	0.562	ok	0.561	0.501-0.621
n-Propylbenzene	20.98	18.80	1.116	ok	1.116	1.056-1.176

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
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Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Propylene	4.30	11.34	0.379	ok	0.378	0.318-0.438
Styrene	19.95	18.80	1.061	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.87	11.34	1.047	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.53	1.401	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.04	18.80	1.119	ok	1.119	1.059-1.179
1,1,2-Trichloroethane	17.06	13.53	1.261	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.25	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.37	18.80	1.190	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.80	18.80	1.160	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.25	18.80	1.130	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.31	13.53	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.32	11.34	0.822	ok	0.820	0.760-0.880
Tetrachloroethylene	16.79	13.53	1.241	ok	1.241	1.181-1.301
Tetrahydrofuran	11.81	11.34	1.041	ok	1.039	0.979-1.099
Toluene	16.06	13.53	1.187	ok	1.187	1.127-1.247
Trichloroethylene	13.53	13.53	1.000	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.35	11.34	0.560	ok	0.560	0.500-0.620
Vinyl chloride	5.01	11.34	0.442	ok	0.441	0.381-0.501
Vinyl Acetate	10.51	11.34	0.927	ok	0.924	0.864-0.984
m,p-Xylene	19.15	18.80	1.019	ok	1.018	0.958-1.078
o-Xylene	19.87	18.80	1.057	ok	1.057	0.997-1.117
TVHC As Equiv Pentane	6.36	18.80	0.338	ok	0.338	0.278-0.398

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.34	ok	11.34	11.01-11.67	243938	ok	233255	139953-326557
1,4-Difluorobenzene	13.53	ok	13.53	13.20-13.86	948746	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	453009	ok	427560	256536-598584

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acetone (2-Propanone)	8.66	11.34	0.764	ok	0.761	0.701-0.821
Acrolein	8.07	11.34	0.712	ok	0.711	0.651-0.771
Acrylonitrile	10.07	11.34	0.888	ok	0.886	0.826-0.946
Acetonitrile	9.46	11.34	0.834	ok	0.833	0.773-0.893
1,3-Butadiene	5.06	11.34	0.446	ok	0.446	0.386-0.506
Benzene	12.51	11.34	1.103	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.51	13.53	1.072	ok	1.072	1.012-1.132
Bromoform	19.99	18.80	1.063	ok	1.063	1.003-1.123
Bromomethane	5.72	11.34	0.504	ok	0.504	0.444-0.564
Bromoethene	6.27	11.34	0.553	ok	0.552	0.492-0.612
n-Butane	4.89	11.34	0.431	ok	0.431	0.371-0.491
Benzyl Chloride	22.65	18.80	1.205	ok	1.204	1.144-1.264
n-Butylbenzene	22.66	18.80	1.205	ok	1.205	1.145-1.265
sec-Butylbenzene	21.94	18.80	1.167	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.48	11.34	0.660	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.47	11.34	0.394	ok	0.393	0.333-0.453
Chloroethane	6.01	11.34	0.530	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.34	11.34	0.383	ok	0.383	0.323-0.443
Chloroform	11.48	11.34	1.012	ok	1.012	0.952-1.072
Chloromethane	4.80	11.34	0.423	ok	0.422	0.362-0.482
3-Chloropropene	8.38	11.34	0.739	ok	0.738	0.678-0.798
2-Chlorotoluene	21.22	18.80	1.129	ok	1.128	1.068-1.188
Carbon tetrachloride	11.77	11.34	1.038	ok	1.038	0.978-1.098
Cyclohexane	11.42	11.34	1.007	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.03	11.34	0.884	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.43	11.34	0.655	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.86	13.53	1.320	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.82	11.34	1.131	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.40	13.53	1.064	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.53	1.298	ok	1.298	1.238-1.358
1,4-Dioxane	14.86	13.53	1.098	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.39	11.34	0.387	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.45	11.34	0.569	ok	0.569	0.509-0.629
Dibromochloromethane	17.41	13.53	1.287	ok	1.286	1.226-1.346
Dibromomethane	14.24	13.53	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.91	11.34	0.786	ok	0.786	0.726-0.846

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
cis-1,2-Dichloroethylene	11.00	11.34	0.970	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.62	13.53	1.154	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.24	18.80	1.183	ok	1.183	1.123-1.243
o-Dichlorobenzene	22.87	18.80	1.216	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.35	18.80	1.189	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.77	13.53	1.239	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.89	11.34	0.872	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.34	1.023	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.17	11.34	0.897	ok	0.897	0.837-0.957
Ethylbenzene	18.90	18.80	1.005	ok	1.005	0.945-1.065
Ethyl Acetate	11.71	11.34	1.033	ok	1.030	0.970-1.090
Ethyl Acrylate	14.46	13.53	1.069	ok	1.065	1.005-1.125
4-Ethyltoluene	21.14	18.80	1.124	ok	1.125	1.065-1.185
Freon 113	7.54	11.34	0.665	ok	0.665	0.605-0.725
Freon 114	4.69	11.34	0.414	ok	0.413	0.353-0.473
Freon 123	7.55	11.34	0.666	ok	0.666	0.606-0.726
Freon 123A	7.43	11.34	0.655	ok	0.655	0.595-0.715
Freon 142B	4.80	11.34	0.423	ok	0.422	0.362-0.482
Freon 152A	4.39	11.34	0.387	ok	0.386	0.326-0.446
Heptane	12.49	13.53	0.923	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.62	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.86	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.11	11.34	0.803	ok	0.804	0.744-0.864
2-Hexanone	18.24	13.53	1.348	ok	1.345	1.285-1.405
Iodomethane	7.70	11.34	0.679	ok	0.678	0.618-0.738
Isopropylbenzene	20.36	18.80	1.083	ok	1.083	1.023-1.143
p-Isopropyltoluene	22.13	18.80	1.177	ok	1.177	1.117-1.237
Methyl ethyl ketone	12.01	11.34	1.059	ok	1.056	0.996-1.116
Methyl Isobutyl Ketone	16.69	13.53	1.234	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.18	11.34	0.810	ok	0.807	0.747-0.867
Methylmethacrylate	14.80	13.53	1.094	ok	1.091	1.031-1.151
Naphthalene	25.09	18.80	1.335	ok	1.334	1.274-1.394
Nonane	18.73	18.80	0.996	ok	0.997	0.937-1.057
Octane	15.77	13.53	1.166	ok	1.165	1.105-1.225
n-Propylbenzene	20.99	18.80	1.116	ok	1.116	1.056-1.176
Styrene	19.96	18.80	1.062	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.87	11.34	1.047	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.53	1.401	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.04	18.80	1.119	ok	1.119	1.059-1.179

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	Reporting this level
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
1,1,2-Trichloroethane	17.06	13.53	1.261	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.25	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.37	18.80	1.190	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.80	18.80	1.160	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.26	18.80	1.131	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.31	13.53	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.32	11.34	0.822	ok	0.820	0.760-0.880
Tetrachloroethylene	16.79	13.53	1.241	ok	1.241	1.181-1.301
Tetrahydrofuran	11.81	11.34	1.041	ok	1.039	0.979-1.099
Toluene	16.07	13.53	1.188	ok	1.187	1.127-1.247
Trichloroethylene	13.53	13.53	1.000	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.35	11.34	0.560	ok	0.560	0.500-0.620
Vinyl chloride	5.01	11.34	0.442	ok	0.441	0.381-0.501
m,p-Xylene	19.15	18.80	1.019	ok	1.018	0.958-1.078
o-Xylene	19.87	18.80	1.057	ok	1.057	0.997-1.117

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.34	ok	11.34	11.01-11.67	245145	ok	233255	139953-326557
1,4-Difluorobenzene	13.53	ok	13.53	13.20-13.86	945078	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	445169	ok	427560	256536-598584

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Acrolein	8.08	11.34	0.713	ok	0.711	0.651-0.771
Acrylonitrile	10.09	11.34	0.890	ok	0.886	0.826-0.946
1,3-Butadiene	5.06	11.34	0.446	ok	0.446	0.386-0.506
Benzene	12.52	11.34	1.104	ok	1.102	1.042-1.162
Bromobenzene	20.95	18.80	1.114	ok	1.114	1.054-1.174
Bromodichloromethane	14.52	13.53	1.073	ok	1.072	1.012-1.132
Bromoform	19.99	18.80	1.063	ok	1.063	1.003-1.123
Bromomethane	5.71	11.34	0.504	ok	0.504	0.444-0.564
Bromoethene	6.28	11.34	0.554	ok	0.552	0.492-0.612
Benzyl Chloride	22.65	18.80	1.205	ok	1.204	1.144-1.264
n-Butylbenzene	22.67	18.80	1.206	ok	1.205	1.145-1.265
sec-Butylbenzene	21.95	18.80	1.168	ok	1.167	1.107-1.227
tert-Butylbenzene	21.70	18.80	1.154	ok	1.154	1.094-1.214
Carbon disulfide	7.49	11.34	0.660	ok	0.659	0.599-0.719
Chlorobenzene	18.84	18.80	1.002	ok	1.002	0.942-1.062
Chlorodifluoromethane	4.46	11.34	0.393	ok	0.393	0.333-0.453
Chloroethane	6.01	11.34	0.530	ok	0.530	0.470-0.590
Chlorotrifluoroethene	4.35	11.34	0.384	ok	0.383	0.323-0.443
Chloroform	11.48	11.34	1.012	ok	1.012	0.952-1.072
Chloromethane	4.80	11.34	0.423	ok	0.422	0.362-0.482
3-Chloropropene	8.38	11.34	0.739	ok	0.738	0.678-0.798
2-Chlorotoluene	21.22	18.80	1.129	ok	1.128	1.068-1.188
Carbon tetrachloride	11.78	11.34	1.039	ok	1.038	0.978-1.098
Cyclohexane	11.43	11.34	1.008	ok	1.008	0.948-1.068
1,1-Dichloroethane	10.04	11.34	0.885	ok	0.884	0.824-0.944
1,1-Dichloroethylene	7.43	11.34	0.655	ok	0.655	0.595-0.715
1,2-Dibromoethane (EDB)	17.86	13.53	1.320	ok	1.319	1.259-1.379
1,2-Dichloroethane	12.83	11.34	1.131	ok	1.130	1.070-1.190
1,2-Dichloropropane	14.40	13.53	1.064	ok	1.064	1.004-1.124
1,3-Dichloropropane	17.56	13.53	1.298	ok	1.298	1.238-1.358
1,4-Dioxane	14.88	13.53	1.100	ok	1.097	1.037-1.157
Dichlorodifluoromethane	4.39	11.34	0.387	ok	0.386	0.326-0.446
Dichlorofluoromethane	6.46	11.34	0.570	ok	0.569	0.509-0.629
Dibromochloromethane	17.42	13.53	1.288	ok	1.286	1.226-1.346
Dibromomethane	14.23	13.53	1.052	ok	1.051	0.991-1.111
trans-1,2-Dichloroethylene	8.91	11.34	0.786	ok	0.786	0.726-0.846
cis-1,2-Dichloroethylene	11.00	11.34	0.970	ok	0.970	0.910-1.030
cis-1,3-Dichloropropene	15.63	13.53	1.155	ok	1.154	1.094-1.214
m-Dichlorobenzene	22.24	18.80	1.183	ok	1.183	1.123-1.243

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
o-Dichlorobenzene	22.87	18.80	1.216	ok	1.217	1.157-1.277
p-Dichlorobenzene	22.35	18.80	1.189	ok	1.189	1.129-1.249
trans-1,3-Dichloropropene	16.78	13.53	1.240	ok	1.239	1.179-1.299
Di-Isopropyl ether	9.89	11.34	0.872	ok	0.871	0.811-0.931
2,3-Dimethylpentane	11.60	11.34	1.023	ok	1.023	0.963-1.083
2,4-Dimethylpentane	10.17	11.34	0.897	ok	0.897	0.837-0.957
Ethylbenzene	18.90	18.80	1.005	ok	1.005	0.945-1.065
4-Ethyltoluene	21.15	18.80	1.125	ok	1.125	1.065-1.185
Freon 113	7.54	11.34	0.665	ok	0.665	0.605-0.725
Freon 114	4.69	11.34	0.414	ok	0.413	0.353-0.473
Freon 123	7.55	11.34	0.666	ok	0.666	0.606-0.726
Freon 123A	7.43	11.34	0.655	ok	0.655	0.595-0.715
Freon 142B	4.79	11.34	0.422	ok	0.422	0.362-0.482
Freon 152A	4.39	11.34	0.387	ok	0.386	0.326-0.446
Heptane	12.50	13.53	0.924	ok	0.923	0.863-0.983
Hexachlorobutadiene	24.62	18.80	1.310	ok	1.310	1.250-1.370
Hexachloroethane	22.86	18.80	1.216	ok	1.216	1.156-1.276
Hexane	9.12	11.34	0.804	ok	0.804	0.744-0.864
Iodomethane	7.70	11.34	0.679	ok	0.678	0.618-0.738
Isopropylbenzene	20.37	18.80	1.084	ok	1.083	1.023-1.143
p-Isopropyltoluene	22.13	18.80	1.177	ok	1.177	1.117-1.237
Methyl Isobutyl Ketone	16.71	13.53	1.235	ok	1.233	1.173-1.293
Methyl Tert Butyl Ether	9.18	11.34	0.810	ok	0.807	0.747-0.867
Naphthalene	25.10	18.80	1.335	ok	1.334	1.274-1.394
Nonane	18.74	18.80	0.997	ok	0.997	0.937-1.057
Octane	15.78	13.53	1.166	ok	1.165	1.105-1.225
n-Propylbenzene	20.99	18.80	1.116	ok	1.116	1.056-1.176
Styrene	19.96	18.80	1.062	ok	1.061	1.001-1.121
1,1,1-Trichloroethane	11.87	11.34	1.047	ok	1.046	0.986-1.106
1,1,1,2-Tetrachloroethane	18.95	13.53	1.401	ok	1.400	1.340-1.460
1,1,2,2-Tetrachloroethane	21.05	18.80	1.120	ok	1.119	1.059-1.179
1,1,2-Trichloroethane	17.07	13.53	1.262	ok	1.261	1.201-1.321
1,2,4-Trichlorobenzene	24.67	18.80	1.312	ok	1.312	1.252-1.372
1,2,3-Trichloropropane	21.25	18.80	1.130	ok	1.130	1.070-1.190
1,2,3-Trimethylbenzene	22.37	18.80	1.190	ok	1.190	1.130-1.250
1,2,4-Trimethylbenzene	21.80	18.80	1.160	ok	1.159	1.099-1.219
1,3,5-Trimethylbenzene	21.26	18.80	1.131	ok	1.131	1.071-1.191
2,2,4-Trimethylpentane	12.31	13.53	0.910	ok	0.910	0.850-0.970
Tertiary Butyl Alcohol	9.33	11.34	0.823	ok	0.820	0.760-0.880

Initial Calibration Retention Time/Internal Standard Area Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample Number	Lab File ID	Injected	By	Level	Inst ID	Method	
V5W1969-IC1969	5W47670.D	01/31/22 22:37	DFT	5	GCMS5W	TO-15	
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	DFT	10	GCMS5W	TO-15	
V5W1969-IC1969	5W47672.D	02/01/22 00:16	DFT	20	GCMS5W	TO-15	
V5W1969-IC1969	5W47673.D	02/01/22 01:09	DFT	40	GCMS5W	TO-15	
V5W1969-IC1969	5W47674.D	02/01/22 02:05	DFT	50	GCMS5W	TO-15	
V5W1969-IC1969	5W47679.D	02/01/22 10:35	DFT	0.5	GCMS5W	TO-15	
V5W1969-IC1969	5W47680.D	02/01/22 11:23	DFT	0.2	GCMS5W	TO-15	
V5W1969-IC1969	5W47681.D	02/01/22 12:12	DFT	0.1	GCMS5W	TO-15	
V5W1969-IC1969	5W47682.D	02/01/22 12:59	DFT	0.04	GCMS5W	TO-15	Reporting this level

Target Compound	RT (min.)	Istd RT (min.)	Rel RT		Mean Rel RT	Rel RT Range (+ /- .06)
Tetrachloroethylene	16.80	13.53	1.242	ok	1.241	1.181-1.301
Tetrahydrofuran	11.82	11.34	1.042	ok	1.039	0.979-1.099
Toluene	16.07	13.53	1.188	ok	1.187	1.127-1.247
Trichloroethylene	13.53	13.53	1.000	ok	1.000	0.940-1.060
Trichlorofluoromethane	6.35	11.34	0.560	ok	0.560	0.500-0.620
Vinyl chloride	5.00	11.34	0.441	ok	0.441	0.381-0.501
m,p-Xylene	19.15	18.80	1.019	ok	1.018	0.958-1.078
o-Xylene	19.87	18.80	1.057	ok	1.057	0.997-1.117

Internal Standard	RT (min.)		Mean RT(min.)	RT Range (+ /- 0.33)	Area		Mean Area	Area Range (+ /- 40 %)
Bromochloromethane	11.34	ok	11.34	11.01-11.67	244797	ok	233255	139953-326557
1,4-Difluorobenzene	13.53	ok	13.53	13.20-13.86	960276	ok	870145	522087-1218203
Chlorobenzene-D5	18.80	ok	18.80	18.47-19.13	448818	ok	427560	256536-598584

Surrogate Recovery Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Method: TO-15 **Matrix:** AIR

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1
JD41994-1	5W49472.D	80
JD41994-2	5W49466.D	91
JD41994-3	5W49473.D	86
JD41994-4	5W49468.D	92
JD41994-5	5W49474.D	82
JD41994-6	5W49469.D	89
JD41994-7	5W49475.D	78
JD41994-8	5W49470.D	90
JD41994-9	5W49476.D	88
JD41994-10	5W49471.D	89
JD41994-2DUP	5W49467.D	91
V2W2601-SCC	2W58399.D	96
V2W2601-SCC	2W58401.D	97
V5W2045-BS	5W49456.D	102
V5W2045-BSD	5W49457.D	101
V5W2045-MB	5W49459.D	80
V2W2601-BS	2W58393.D	110
V2W2601-BSD	2W58394.D	110
V2W2601-MB	2W58397.D	95

Surrogate Compounds	Recovery Limits
S1 = 4-Bromofluorobenzene	65-128%

Initial Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2599-ICC2599
Lab FileID: 2W58354.D

Response Factor Report MS2W

Method : C:\msdchem\1\METHODS\M2W2599.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
Last Update : Mon Mar 21 08:52:50 2022
Response via : Initial Calibration

Calibration Files
0.5 =2w58349.D 0.2 =2w58350.D 0.04=2w58352.D 5 =2w58353.D
10 =2w58354.D 20 =2w58355.D 0.1 =2w58351.D =

Compound	0.5	0.2	0.04	5	10	20	0.1	Avg	%RSD
1) I BROMOCHLOROMETHANE	ISTD								
2) FREON 115								0.000	-1.00
3) FREON 152A	0.271	0.287	0.318	0.273	0.269	0.247	0.260	0.275	8.18
4) CHLORODIFLUO	0.149	0.134		0.150	0.154	0.141	0.130	0.143	6.68
5) CHLOROTRIFLU	0.948	1.018	1.286	1.026	1.045	0.980	1.122	1.061	10.69
6) DICHLORODIFL	4.405	4.491	4.628	4.485	4.430	3.956	4.625	4.431	5.12
7) PROPYLENE	0.331	0.292		0.245	0.247	0.244		0.272	14.33
8) 1-CHLORO-1,1	3.670	3.642	3.559	3.647	3.479	3.082	3.651	3.533	5.94
9) FREON 114	4.644	4.705	4.991	4.781	4.685	4.231	4.782	4.688	4.93
10) CHLOROMETHAN	0.391	0.477		0.350	0.332	0.289		0.368	19.32
11) VINYL CHLORI	1.325	1.266	1.499	1.361	1.287	1.115	1.431	1.326	9.34
12) 1,3-BUTADIEN	0.894	0.940	1.058	0.890	0.881	0.760	1.032	0.922	10.89
13) N-BUTANE	1.477	1.532	1.933	1.445	1.396	1.275	1.603	1.523	13.67
14) BROMOMETHANE	1.440	1.515	1.734	1.507	1.452	1.268	1.732	1.521	10.92
15) CHLOROETHANE	0.622	0.731	0.754	0.653	0.621	0.546	0.764	0.670	12.17
16) DICHLOROFLUO	2.768	2.940	3.156	2.853	2.834	2.503	2.959	2.859	7.01
17) ACETONITRILE	0.884	0.942		0.665	0.662	0.612		0.753	19.80
18) ACROLEIN	0.531	0.653		0.504	0.481	0.444	0.588	0.534	14.26
19) FREON 123	3.325	3.451	3.558	3.487	3.401	3.193	3.420	3.405	3.47
20) FREON 123A	2.025	2.206	2.257	2.217	2.172	2.059	2.185	2.160	3.96
21) TRICHLOROFLU	5.252	5.431	5.475	5.576	5.443	4.878	5.150	5.315	4.52
22) ISOPROPYL AL	3.246	3.422		2.929	2.624	2.195		2.883	17.03
23) ACETONE	0.739	0.824		0.603	0.575	0.543		0.657	18.21
24) PENTANE	2.045	2.060	3.062	2.052	1.923	1.643	2.409	2.171	20.88
25) IODOMETHANE	0.945	0.942	1.018	0.986	0.951	0.835	1.016	0.956 E1	6.52
26) 1,1-DICHLORO	3.507	3.519	4.364	3.578	3.396	2.927	3.698	3.570	11.98
27) CARBON DISUL	1.030	1.023	1.149	1.094	1.043	0.917	1.070	1.047 E1	6.86
28) ETHANOL	0.530	0.691		0.346	0.337	0.307		0.442	37.19
29) BROMOETHENE	1.475	1.652	1.751	1.480	1.449	1.300	1.535	1.520	9.60
30) ACRYLONITRIL	1.551	1.697	1.963	1.463	1.382	1.186	1.801	1.578	16.72
31) METHYLENE CH	3.785	4.831		3.354	3.063	2.604		3.527	24.00
32) 3-CHLOROPROP	1.673	1.570	2.341	1.704	1.582	1.362	1.652	1.698	17.97
33) FREON 113	6.935	6.694	7.778	7.059	6.803	6.072	6.604	6.849	7.55
34) TRANS-1,2-DI	3.317	3.303	2.707	2.667	3.112	2.256	3.889	3.036	17.72
35) TERTIARY BUT	5.397	5.615	5.478	5.741	5.060	3.980	6.077	5.336	12.64
36) METHYL TERTI	2.840	3.049	2.986	2.988	3.081	3.189	2.766	2.986	4.81
37) TETRAHYDROFU	0.530	0.578	0.386	0.591	0.636	0.652	0.506	0.554	16.38
38) HEXANE	1.534	1.623	1.797	1.801	2.069	2.108	1.708	1.806	11.91
39) VINYL ACETAT	0.276	0.280	0.218	0.318	0.345	0.370	0.299	0.301	16.60
40) 1,1-DICHLORO	1.695	1.718	1.699	1.754	1.773	1.754	1.785	1.740	2.06
41) METHYL ETHYL	0.618	0.611	0.744	0.597	0.605	0.633	0.661	0.638	8.03
42) CIS-1,2-DICH	1.390	1.377	1.618	1.452	1.471	1.491	1.554	1.479	5.81
43) DIISOPROPYL	0.484	0.509		0.538	0.628	0.637	0.592	0.564	11.30
44) ETHYL ACETAT	0.332	0.383		0.387	0.459	0.472	0.339	0.395	14.88
45) METHYL ACRYL	1.831	1.864	1.799	2.082	2.383	2.456	2.068	2.069	12.79
46) CHLOROFORM	2.769	2.907	3.107	3.057	3.286	3.308	2.861	3.042	6.85

Initial Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2599-ICC2599
Lab FileID: 2W58354.D

47)	2,4-DIMETHYL	1.741	1.886	2.077	1.965	2.055	2.134	1.956	1.974	6.70
48)	1,1,1-TRICHL	2.556	2.523	3.195	2.799	2.886	3.039	2.770	2.824	8.59
49)	CARBON TETRA	2.697	2.658	2.406	2.859	2.992	3.157	2.672	2.777	8.90
50)	1,2-DICHLORO	1.606	1.695	1.760	1.722	1.737	1.717	1.558	1.685	4.40
51)	BENZENE	3.669	3.850	4.784	4.005	4.096	4.244	3.881	4.076	8.90
52)	I 1,4-DIFLUOROBENZENE	----------	ISTD	----------						
53)	CYCLOHEXANE	0.345	0.332	0.371	0.348	0.351	0.362	0.353	0.352	3.56
54)	2,3-DIMETHYL	0.146	0.159	0.164	0.168	0.173	0.175	0.165	0.164	5.85
55)	TRICHLOROETH	0.339	0.363	0.381	0.374	0.401	0.424	0.361	0.378	7.37
56)	1,2-DICHLORO	0.239	0.244	0.224	0.256	0.258	0.276	0.267	0.252	6.98
57)	DIBROMOMETHA	0.355	0.353	0.462	0.371	0.373	0.395	0.430	0.391	10.52
58)	ETHYL ACRYLA	0.403	0.427	0.423	0.480	0.504	0.538	0.432	0.458	10.87
59)	BROMODICHLOR	0.527	0.567	0.522	0.611	0.647	0.665	0.553	0.584	9.77
60)	2,2,4-TRIMET	0.933	0.962	1.131	1.057	1.134	1.161	1.026	1.058	8.44
61)	1,4-DIOXANE	0.218	0.247	0.198	0.187	0.205	0.211	0.239	0.215	10.04
62)	HEPTANE	0.272	0.282	0.345	0.311	0.344	0.346	0.282	0.312	10.65
63)	METHYL METHA	0.245	0.258	0.258	0.284	0.308	0.320	0.229	0.272	12.30
64)	METHYL ISOBU	0.183	0.202	0.182	0.203	0.225	0.227	0.180	0.200	9.84
65)	CIS-1,3-DICH	0.360	0.383	0.409	0.414	0.441	0.467	0.350	0.404	10.49
66)	TOLUENE	0.944	0.921	0.917	1.026	1.110	1.114	0.955	0.998	8.56
67)	1,3-DICHLORO	0.434	0.435	0.422	0.480	0.514	0.514	0.445	0.463	8.39
68)	TRANS-1,3-DI	0.290	0.287	0.338	0.359	0.390	0.410	0.306	0.340	14.30
69)	1,1,2-TRICHL	0.282	0.273	0.309	0.298	0.308	0.312	0.298	0.297	4.95
70)	2-HEXANONE	0.251	0.262	0.289	0.264	0.306	0.307	0.243	0.275	9.51
71)	ETHYL METHAC	0.398	0.371	0.422	0.454	0.537	0.538	0.391	0.444	15.40
72)	TETRACHLOROE	0.403	0.411	0.413	0.424	0.456	0.461	0.405	0.425	5.68
73)	DIBROMOCHLOR	0.577	0.602	0.540	0.651	0.722	0.756	0.578	0.632	12.79
74)	1,2-DIBROMOE	0.506	0.500	0.412	0.566	0.658	0.660	0.518	0.546	16.46
75)	OCTANE	0.380	0.381	0.467	0.431	0.484	0.469	0.426	0.434	9.69
76)	I CHLOROBENZENE-D5	----------	ISTD	----------						
77)	1,1,1,2-TETR	0.443	0.447	0.427	0.489	0.528	0.549	0.481	0.481	9.51
78)	CHLOROBENZEN	0.889	0.908	1.012	0.956	1.005	1.032	0.937	0.963	5.72
79)	ETHYLBENZENE	1.360	1.307	1.424	1.460	1.535	1.564	1.449	1.442	6.27
80)	M,P-XYLENE	1.034	1.027	1.093	1.162	1.262	1.270	0.994	1.120	10.12
81)	O-XYLENE	1.073	1.043	1.070	1.214	1.309	1.314	1.006	1.147	11.29
82)	STYRENE	0.815	0.796	0.791	0.925	1.009	1.039	0.768	0.878	12.81
83)	NONANE	0.495	0.520	0.566	0.540	0.555	0.538	0.532	0.535	4.38
84)	BROMOFORM	0.617	0.607	0.613	0.668	0.739	0.797	0.572	0.659	12.35
85)	1,1,2,2-TETR	0.787	0.796	0.815	0.887	0.966	0.967	0.816	0.862	9.09
86)	1,2,3-TRICHL	0.545	0.561	0.562	0.611	0.662	0.656	0.566	0.595	8.13
87)	4-BROMOFLUOR	0.601	0.588	0.588	0.657	0.696	0.686	0.588	0.629	7.77
88)	ISOPROPYLBEN	0.455	0.458	0.419	0.528	0.564	0.566	0.434	0.489	12.71
89)	BROMOBENZENE	0.694	0.699	0.692	0.784	0.833	0.814	0.683	0.743	8.74
90)	2-CHLOROTOLU	0.420	0.402	0.378	0.460	0.492	0.493	0.395	0.434	10.85
91)	N-PROPYLBENZ	0.426	0.442		0.536	0.570	0.574	0.439	0.498	13.98
92)	4-ETHYLTOLUE	1.507	1.435	1.583	1.915	2.066	2.081	1.421	1.715	17.21
93)	1,3,5-TRIMET	1.229	1.167	1.235	1.609	1.746	1.766	1.147	1.414	19.81
94)	ALPHA-METHYL	0.630	0.568	0.599	0.872	0.963	0.986	0.641	0.751	24.18
95)	TERT-BUTYLBE	0.315	0.323	0.389	0.439	0.488	0.521	0.333	0.401	20.82
96)	1,2,4-TRIMET	1.242	1.263	1.266	1.792	1.997	2.074	1.149	1.541	25.84
97)	BENZYL CHLOR	0.418	0.401	0.414	0.771		0.380		0.477	34.64
98)	M-DICHLOROBE	0.890	0.844	0.810	1.186	1.316	1.398	0.833	1.040	24.27
99)	P-DICHLOROBE	0.853	0.852	0.835	1.169	1.348	1.412	0.852	1.046	24.61
100)	O-DICHLOROBE	0.845	0.878	0.807	1.197	1.339	1.433	0.855	1.051	25.18
101)	SEC-BUTYLBEN	0.416	0.402	0.410	0.566	0.633	0.657	0.388	0.496	23.85
102)	1,2,3-TRIMET	1.208	1.144	1.166	1.753	1.893	1.908	1.130	1.458	25.55
103)	P-ISOPROPYLT	0.436	0.420		0.672	0.734	0.772	0.417	0.575	29.29
104)	N-BUTYLBENZE	0.410	0.388		0.602	0.655	0.687	0.343	0.514	29.30

Initial Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2599-ICC2599
Lab FileID: 2W58354.D

105) HEXACHLOROET	0.497	0.457		0.750	0.824	0.878		0.681	28.26
106) HEXACHLOROBU	0.738	0.704	0.730	0.862	0.974	1.130	0.649	0.827	20.90
107) 1,2,4-TRICHL	0.684	0.648		0.903	0.987	1.047	0.510	0.796	26.75
108) NAPHTHALENE	1.557	1.397		2.065	2.229	2.252		1.900	20.88

(#) = Out of Range ### Number of calibration levels exceeded format ###

M2W2599.M Mon Mar 21 08:58:58 2022 GCMS2W

Initial Calibration Verification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2599-ICV2599
Lab FileID: 2W58363.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	106	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.89#
3	T	FREON 152A	0.275	0.269	2.2	106	0.00
4	T	CHLORODIFLUOROMETHANE	0.143	0.143	0.0	99	0.00
5	T	CHLOROTRIFLUOROETHENE	1.061	0.978	7.8	99	0.00
6	T	DICHLORODIFLUOROMETHANE	4.431	4.005	9.6	96	0.00
7	T	PROPYLENE	0.272	0.242	11.0	104	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.533	3.432	2.9	105	0.00
9	T	FREON 114	4.688	4.583	2.2	104	0.00
10	T	CHLOROMETHANE	0.368	0.325	11.7	104	0.00
11	T	VINYL CHLORIDE	1.326	1.304	1.7	108	0.00
12	t	1,3-BUTADIENE	0.922	0.885	4.0	107	0.00
13	T	N-BUTANE	1.523	1.411	7.4	107	0.00
14	T	BROMOMETHANE	1.521	1.435	5.7	105	0.00
15	T	CHLOROETHANE	0.670	0.652	2.7	112	0.00
16	T	DICHLOROFLUOROMETHANE	2.859	2.801	2.0	105	0.00
17	T	ACETONITRILE	0.753	0.671	10.9	108	0.00
18	T	ACROLEIN	0.534	0.496	7.1	109	0.00
19	T	FREON 123	3.405	3.572	-4.9	111	0.00
20	T	FREON 123A	2.160	2.402	-11.2	117	0.00
21	T	TRICHLOROFLUOROMETHANE	5.315	5.516	-3.8	108	0.00
22	T	ISOPROPYL ALCOHOL	2.883	2.823	2.1	114	0.00
23	T	ACETONE	0.657	0.633	3.7	117	0.00
24	T	PENTANE	2.171	1.994	8.2	110	0.00
25	T	IODOMETHANE	9.562	9.155	4.3	102	0.00
26	T	1,1-DICHLOROETHYLENE	3.570	3.329	6.8	104	0.00
27	T	CARBON DISULFIDE	10.468	9.812	6.3	100	0.00
28	T	ETHANOL	0.442	0.384	13.1	121	0.00
29	T	BROMOETHENE	1.520	1.439	5.3	105	0.00
30	T	ACRYLONITRILE	1.578	1.403	11.1	108	0.00
31	T	METHYLENE CHLORIDE	3.527	2.976	15.6	103	0.00
32	T	3-CHLOROPROPENE	1.698	1.614	4.9	108	0.00
33	T	FREON 113	6.849	6.309	7.9	98	0.00
34	T	TRANS-1,2-DICHLOROETHENE	3.036	2.943	3.1	100	0.00
35	T	TERTIARY BUTYL ALCOHOL	5.336	5.263	1.4	110	0.00
36	t	METHYL TERTIARY BUTYL ETHER	2.986	3.114	-4.3	107	0.00
37	T	TETRAHYDROFURAN	0.554	0.623	-12.5	104	0.00
38	T	HEXANE	1.806	2.118	-17.3	109	0.00

Initial Calibration Verification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2599-ICV2599
Lab FileID: 2W58363.D

39	T	VINYL ACETATE	0.301	0.325	-8.0	100	0.00
40	T	1,1-DICHLOROETHANE	1.740	1.809	-4.0	108	0.00
41	T	METHYL ETHYL KETONE	0.638	0.625	2.0	110	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.479	1.438	2.8	104	0.00
43	T	DIISOPROPYL ETHER	0.564	0.637	-12.9	108	0.00
44	T	ETHYL ACETATE	0.395	0.455	-15.2	105	0.00
45	T	METHYL ACRYLATE	2.069	2.423	-17.1	108	0.00
46	T	CHLOROFORM	3.042	3.166	-4.1	102	0.00
47	T	2,4-DIMETHYLPENTANE	1.974	2.105	-6.6	109	0.00
48	T	1,1,1-TRICHLOROETHANE	2.824	2.832	-0.3	104	0.00
49	T	CARBON TETRACHLORIDE	2.777	2.963	-6.7	105	0.00
50	T	1,2-DICHLOROETHANE	1.685	1.740	-3.3	106	0.00
51	t	BENZENE	4.076	4.093	-0.4	106	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	107	0.00
53	T	CYCLOHEXANE	0.352	0.352	0.0	107	0.00
54	T	2,3-DIMETHYLPENTANE	0.164	0.172	-4.9	106	0.00
55	T	TRICHLOROETHENE	0.378	0.392	-3.7	104	0.00
56	T	1,2-DICHLOROPROPANE	0.252	0.267	-6.0	110	0.00
57	T	DIBROMOMETHANE	0.391	0.347	11.3	99	0.00
58	T	ETHYL ACRYLATE	0.458	0.523	-14.2	111	0.00
59	T	BROMODICHLOROMETHANE	0.584	0.633	-8.4	104	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.058	1.145	-8.2	108	0.00
61	T	1,4-DIOXANE	0.215	0.191	11.2	100	0.00
62	T	HEPTANE	0.312	0.345	-10.6	107	0.00
63	T	METHYL METHACRYLATE	0.272	0.307	-12.9	106	0.00
64	T	METHYL ISOBUTYL KETONE	0.200	0.228	-14.0	108	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.404	0.485	-20.0	117	0.00
66	T	TOLUENE	0.998	1.072	-7.4	103	0.00
67	T	1,3-DICHLOROPROPANE	0.463	0.505	-9.1	105	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.340	0.405	-19.1	111	0.00
69	T	1,1,2-TRICHLOROETHANE	0.297	0.301	-1.3	104	0.00
70	T	2-HEXANONE	0.275	0.316	-14.9	110	0.00
71	T	ETHYL METHACRYLATE	0.444	0.531	-19.6	105	0.00
72	T	TETRACHLOROETHENE	0.425	0.433	-1.9	101	0.00
73	T	DIBROMOCHLOROMETHANE	0.632	0.705	-11.6	104	0.00
74	T	1,2-DIBROMOETHANE	0.546	0.641	-17.4	104	0.00
75	T	OCTANE	0.434	0.495	-14.1	109	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	106	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.481	0.521	-8.3	104	0.00
78	T	CHLOROBENZENE	0.963	0.986	-2.4	104	0.00
79	t	ETHYLBENZENE	1.442	1.537	-6.6	106	0.00
80	t	M,P-XYLENE	1.120	1.268	-13.2	106	0.00
81	t	O-XYLENE	1.147	1.308	-14.0	106	0.00
82	T	STYRENE	0.878	1.002	-14.1	105	0.00
83	T	NONANE	0.535	0.576	-7.7	110	0.00
84	T	BROMOFORM	0.659	0.749	-13.7	107	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.862	0.968	-12.3	106	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.595	0.659	-10.8	105	0.00
87	S	4-BROMOFLUOROBENZENE	0.629	0.701	-11.4	107	0.00
88	T	ISOPROPYLBENZENE	0.489	0.548	-12.1	103	0.00
89	T	BROMOBENZENE	0.743	0.824	-10.9	105	0.00
90	T	2-CHLOROTOLUENE	0.434	0.468	-7.8	101	0.00
91	T	N-PROPYLBENZENE	0.498	0.550	-10.4	102	0.00
92	T	4-ETHYLTOLUENE	1.715	2.045	-19.2	105	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.414	1.750	-23.8	106	0.00
94	T	ALPHA-METHYLSTYRENE	0.751	0.918	-22.2	101	0.00
95	T	TERT-BUTYLBENZENE	0.401	0.474	-18.2	103	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.541	1.986	-28.9	105	0.00

Initial Calibration Verification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2599-ICV2599
Lab FileID: 2W58363.D

97	T	BENZYL CHLORIDE	0.477	1.098	-130.2#	0#	0.00
98	T	M-DICHLOROBENZENE	1.040	1.286	-23.7	103	0.00
99	T	P-DICHLOROBENZENE	1.046	1.308	-25.0	103	0.00
100	T	O-DICHLOROBENZENE	1.051	1.314	-25.0	104	0.00
101	T	SEC-BUTYLBENZENE	0.496	0.614	-23.8	103	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.458	1.887	-29.4	105	0.00
103	T	P-ISOPROPYLTOLUENE	0.575	0.712	-23.8	103	0.00
104	T	N-BUTYLBENZENE	0.514	0.639	-24.3	103	0.00
105	T	HEXACHLOROETHANE	0.681	0.865	-27.0	111	0.00
106	T	HEXACHLOROBUTADIENE	0.827	0.905	-9.4	98	0.01
107	T	1,2,4-TRICHLOROBENZENE	0.796	0.944	-18.6	101	0.01
108	T	NAPHTHALENE	1.900	2.014	-6.0	96	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M2W2599.M Mon Mar 21 08:58:44 2022 GCMS2W

Continuing Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2601-CC2599
Lab FileID: 2W58392.D

Evaluate Continuing Calibration Report

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	BROMOCHLOROMETHANE	1.000	1.000	0.0	93	0.00
2	T	FREON 115	0.000	0.000	0.0	0#	-1.89#
3	T	FREON 152A	0.275	0.310	-12.7	108	0.00
4	T	CHLORODIFLUOROMETHANE	0.143	0.162	-13.3	98	0.00
5	T	CHLOROTRIFLUOROETHENE	1.061	1.063	-0.2	95	0.00
6	T	DICHLORODIFLUOROMETHANE	4.431	4.676	-5.5	99	0.00
7	T	PROPYLENE	0.272	0.270	0.7	102	0.00
8	T	1-CHLORO-1,1-DIFLUOROETHANE	3.533	3.781	-7.0	101	0.00
9	T	FREON 114	4.688	5.007	-6.8	100	0.00
10	T	CHLOROMETHANE	0.368	0.379	-3.0	106	0.00
11	T	VINYL CHLORIDE	1.326	1.460	-10.1	106	0.00
12	t	1,3-BUTADIENE	0.922	0.991	-7.5	105	0.00
13	T	N-BUTANE	1.523	1.594	-4.7	107	0.00
14	T	BROMOMETHANE	1.521	1.522	-0.1	98	0.00
15	T	CHLOROETHANE	0.670	0.706	-5.4	106	0.00
16	T	DICHLOROFLUOROMETHANE	2.859	3.132	-9.5	103	0.00
17	T	ACETONITRILE	0.753	0.771	-2.4	109	0.00
18	T	ACROLEIN	0.534	0.540	-1.1	105	0.00
19	T	FREON 123	3.405	3.671	-7.8	101	0.00
20	T	FREON 123A	2.160	2.209	-2.3	95	0.00
21	T	TRICHLOROFLUOROMETHANE	5.315	5.420	-2.0	93	0.00
22	T	ISOPROPYL ALCOHOL	2.883	3.118	-8.2	111	0.00
23	T	ACETONE	0.657	0.667	-1.5	108	0.00
24	T	PENTANE	2.171	2.163	0.4	105	0.00
25	T	IODOMETHANE	9.562	9.191	3.9	90	0.00
26	T	1,1-DICHLOROETHYLENE	3.570	3.468	2.9	95	0.00
27	T	CARBON DISULFIDE	10.468	11.320	-8.1	101	0.00
28	T	ETHANOL	0.442	0.404	8.6	112	0.00
29	T	BROMOETHENE	1.520	1.516	0.3	98	0.00
30	T	ACRYLONITRILE	1.578	1.572	0.4	106	0.00
31	T	METHYLENE CHLORIDE	3.527	3.243	8.1	99	0.00
32	T	3-CHLOROPROPENE	1.698	1.715	-1.0	101	0.00
33	T	FREON 113	6.849	6.563	4.2	90	0.00
34	T	TRANS-1,2-DICHLOROETHENE	3.036	3.220	-6.1	97	0.00
35	T	TERTIARY BUTYL ALCOHOL	5.336	5.997	-12.4	111	0.00
36	t	METHYL TERTIARY BUTYL ETHER	2.986	3.178	-6.4	96	0.00
37	T	TETRAHYDROFURAN	0.554	0.665	-20.0	98	0.00
38	T	HEXANE	1.806	2.216	-22.7	100	0.00

Continuing Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2601-CC2599
Lab FileID: 2W58392.D

39	T	VINYL ACETATE	0.301	0.353	-17.3	96	0.00
40	T	1,1-DICHLOROETHANE	1.740	1.871	-7.5	98	0.00
41	T	METHYL ETHYL KETONE	0.638	0.639	-0.2	99	0.00
42	T	CIS-1,2-DICHLOROETHENE	1.479	1.439	2.7	91	0.00
43	T	DIISOPROPYL ETHER	0.564	0.658	-16.7	98	0.00
44	T	ETHYL ACETATE	0.395	0.485	-22.8	99	0.00
45	T	METHYL ACRYLATE	2.069	2.561	-23.8	100	0.00
46	T	CHLOROFORM	3.042	3.361	-10.5	95	0.00
47	T	2,4-DIMETHYLPENTANE	1.974	2.200	-11.4	100	0.00
48	T	1,1,1-TRICHLOROETHANE	2.824	2.965	-5.0	96	0.00
49	T	CARBON TETRACHLORIDE	2.777	3.047	-9.7	95	0.00
50	T	1,2-DICHLOROETHANE	1.685	1.796	-6.6	97	0.00
51	t	BENZENE	4.076	4.249	-4.2	97	0.00
52	I	1,4-DIFLUOROBENZENE	1.000	1.000	0.0	97	0.00
53	T	CYCLOHEXANE	0.352	0.347	1.4	96	0.00
54	T	2,3-DIMETHYLPENTANE	0.164	0.172	-4.9	97	0.00
55	T	TRICHLOROETHENE	0.378	0.383	-1.3	93	0.00
56	T	1,2-DICHLOROPROPANE	0.252	0.273	-8.3	103	0.00
57	T	DIBROMOMETHANE	0.391	0.348	11.0	91	0.00
58	T	ETHYL ACRYLATE	0.458	0.534	-16.6	103	0.00
59	T	BROMODICHLOROMETHANE	0.584	0.642	-9.9	97	0.00
60	T	2,2,4-TRIMETHYLPENTANE	1.058	1.154	-9.1	99	0.00
61	T	1,4-DIOXANE	0.215	0.203	5.6	97	0.00
62	T	HEPTANE	0.312	0.350	-12.2	99	0.00
63	T	METHYL METHACRYLATE	0.272	0.308	-13.2	97	0.00
64	T	METHYL ISOBUTYL KETONE	0.200	0.227	-13.5	99	0.00
65	T	CIS-1,3-DICHLOROPROPENE	0.404	0.451	-11.6	100	0.00
66	T	TOLUENE	0.998	1.060	-6.2	93	0.00
67	T	1,3-DICHLOROPROPANE	0.463	0.504	-8.9	96	0.00
68	T	TRANS-1,3-DICHLOROPROPENE	0.340	0.393	-15.6	98	0.00
69	T	1,1,2-TRICHLOROETHANE	0.297	0.301	-1.3	95	0.00
70	T	2-HEXANONE	0.275	0.314	-14.2	100	0.00
71	T	ETHYL METHACRYLATE	0.444	0.538	-21.2	98	0.00
72	T	TETRACHLOROETHENE	0.425	0.411	3.3	88	0.00
73	T	DIBROMOCHLOROMETHANE	0.632	0.680	-7.6	92	0.00
74	T	1,2-DIBROMOETHANE	0.546	0.621	-13.7	92	0.00
75	T	OCTANE	0.434	0.492	-13.4	99	0.00
76	I	CHLOROBENZENE-D5	1.000	1.000	0.0	95	0.00
77	T	1,1,1,2-TETRACHLOROETHANE	0.481	0.507	-5.4	92	0.00
78	T	CHLOROBENZENE	0.963	0.969	-0.6	92	0.00
79	t	ETHYLBENZENE	1.442	1.511	-4.8	94	0.00
80	t	M,P-XYLENE	1.120	1.249	-11.5	94	0.00
81	t	O-XYLENE	1.147	1.309	-14.1	95	0.00
82	T	STYRENE	0.878	0.984	-12.1	93	0.00
83	T	NONANE	0.535	0.599	-12.0	103	0.00
84	T	BROMOFORM	0.659	0.698	-5.9	90	0.00
85	T	1,1,2,2-TETRACHLOROETHANE	0.862	0.977	-13.3	96	0.00
86	T	1,2,3-TRICHLOROPROPANE	0.595	0.668	-12.3	96	0.00
87	S	4-BROMOFLUOROBENZENE	0.629	0.706	-12.2	97	0.00
88	T	ISOPROPYLBENZENE	0.489	0.536	-9.6	91	0.00
89	T	BROMOBENZENE	0.743	0.835	-12.4	96	0.00
90	T	2-CHLOROTOLUENE	0.434	0.460	-6.0	89	0.00
91	T	N-PROPYLBENZENE	0.498	0.541	-8.6	91	0.00
92	T	4-ETHYLTOLUENE	1.715	2.003	-16.8	93	0.00
93	T	1,3,5-TRIMETHYLBENZENE	1.414	1.693	-19.7	93	0.00
94	T	ALPHA-METHYLSTYRENE	0.751	0.922	-22.8	91	0.00
95	T	TERT-BUTYLBENZENE	0.401	0.466	-16.2	91	0.00
96	T	1,2,4-TRIMETHYLBENZENE	1.541	1.953	-26.7	93	0.00

Continuing Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V2W2601-CC2599
Lab FileID: 2W58392.D

97	T	BENZYL CHLORIDE	0.477	1.102	-131.0#	0#	0.00
98	T	M-DICHLOROBENZENE	1.040	1.251	-20.3	91	0.00
99	T	P-DICHLOROBENZENE	1.046	1.280	-22.4	91	0.00
100	T	O-DICHLOROBENZENE	1.051	1.290	-22.7	92	0.00
101	T	SEC-BUTYLBENZENE	0.496	0.603	-21.6	91	0.00
102	T	1,2,3-TRIMETHYLBENZENE	1.458	1.882	-29.1	95	0.00
103	T	P-ISOPROPYLTOLUENE	0.575	0.705	-22.6	92	0.00
104	T	N-BUTYLBENZENE	0.514	0.631	-22.8	92	0.00
105	T	HEXACHLOROETHANE	0.681	0.847	-24.4	98	0.00
106	T	HEXACHLOROBUTADIENE	0.827	0.900	-8.8	88	0.00
107	T	1,2,4-TRICHLOROBENZENE	0.796	0.911	-14.4	88	0.00
108	T	NAPHTHALENE	1.900	2.120	-11.6	91	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 0

M2W2599.M Mon Mar 21 15:24:52 2022 GCMS2W

Initial Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W1969-ICC1969
Lab FileID: 5W47671.D

Response Factor Report Air5w

Method : C:\msdchem\1\methods\m5w1969.M (RTE Integrator)
Title : TO-15 Full Scan Mode
Last Update : Tue Feb 01 13:47:06 2022
Response via : Initial Calibration

Calibration Files
0.04=5w47682.D 0.1 =5w47681.D 0.2 =5w47680.D 0.5 =5w47679.D
5 =5w47670.D 10 =5w47671.D 20 =5w47672.D 40 =5w47673.D
50 =5w47674.D =

Compound	0.04	0.1	0.2	0.5	5	10	20	40	50	Avg	%RSD
1) I Bromochloromethane	----------ISTD----------										
2) Freon 152A	0.802	0.673	0.675	0.640	0.684	0.651	0.633	0.609	0.593	0.662	9.14
3) Chlorodifluoromethane	0.477	0.388	0.349	0.341	0.362	0.345	0.336	0.326	0.320	0.360	13.34
4) Propene			0.985	0.852	0.819	0.789	0.784	0.786	0.785	0.829	8.89
5) Chlorotrifluoroethene	1.941	1.690	1.619	1.610	1.661	1.573	1.534	1.467	1.431	1.614	9.26
6) Dichlorodifluoromethane	5.046	4.328	4.057	3.830	3.941	3.773	3.667	3.461	3.316	3.935	13.08
7) 1-Chloro-1,1-difluoroethane	3.428	3.021	2.732	2.647	2.801	2.662	2.558	2.415	2.342	2.734	12.04
8) Chloromethane	1.530	1.238	1.065	0.998	1.015	0.969	0.937	0.898	0.882	1.059	19.46
9) Dichlorotetrafluoroethane	4.260	3.624	3.464	3.234	3.396	3.233	3.097	2.878	2.792	3.331	13.17
10) Vinyl Chloride	1.305	1.149	1.100	1.028	1.118	1.067	1.032	0.983	0.966	1.083	9.50
11) 1,3-Butadiene	1.012	0.793	0.765	0.722	0.768	0.734	0.712	0.678	0.660	0.761	13.61
12) n-Butane			0.144	0.154	0.159	0.169	0.162	0.157	0.148	0.146	0.155	5.47
13) Bromomethane	1.384	1.032	0.921	0.804	0.814	0.779	0.749	0.714	0.697	0.877	24.73
14) Chloroethane	0.637	0.537	0.474	0.459	0.473	0.459	0.440	0.431	0.426	0.482	13.90
15) Dichlorofluoromethane	3.520	2.934	2.764	2.570	2.637	2.523	2.407	2.282	2.224	2.651	14.90
16) Acetonitrile			1.207	0.995	0.821	0.783	0.750	0.732	0.724	0.859	20.86
17) Freon 123	3.336	2.815	2.720	2.484	2.526	2.380	2.207	1.980	1.881	2.481	18.01
18) Freon 123A	1.663	1.442	1.448	1.315	1.384	1.297	1.244	1.127	1.096	1.335	13.09
19) Bromoethene	1.289	1.210	1.147	1.072	1.091	1.051	1.014	0.968	0.944	1.087	10.33
20) Acrolein	0.580	0.509	0.455	0.458	0.452	0.426	0.409	0.401	0.391	0.454	13.14
21) Trichlorofluoromethane	4.105	3.621	3.412	3.231	3.347	3.156	3.004	2.772	2.668	3.257	13.47
22) Acetone			0.513	0.462	0.446	0.431	0.409	0.397	0.390	0.435	9.84
23) Pentane											

0.435 0.302 0.273 0.267 0.245 0.232 0.226 0.283 25.48

24) Iodomethane
4.098 3.490 3.334 3.209 3.286 3.075 2.884 2.643 2.556 3.175 14.74

25) Isopropyl Alcohol
0.420 0.425 0.386 0.368 0.350 0.335 0.325 0.373 10.60

26) 1,1-Dichloroethene
2.350 2.114 2.038 1.896 1.998 1.877 1.801 1.659 1.604 1.926 11.99

27) Freon 113
3.212 2.916 2.790 2.584 2.619 2.451 2.261 2.010 1.913 2.528 16.68

28) Methylene Chloride
1.452 1.135 1.023 0.986 0.928 0.875 0.860 1.037 19.85

29) Carbon Disulfide
4.106 3.614 3.419 3.307 3.435 3.253 3.120 2.918 2.868 3.338 11.29

30) Ethanol
0.514 0.500 0.397 0.381 0.368 0.354 0.354 0.410 16.67

31) Acrylonitrile
0.748 0.801 0.881 0.837 0.769 0.735 0.708 0.680 0.674 0.759 9.28

32) 3-Chloropropene
0.532 0.527 0.494 0.481 0.508 0.492 0.471 0.456 0.447 0.490 6.03

33) trans-1,2-Dichloroethene
2.122 1.804 1.793 1.688 1.826 1.736 1.667 1.579 1.557 1.752 9.60

34) tert-Butyl Alcohol
3.122 2.684 2.556 2.491 2.477 2.357 2.245 2.154 2.105 2.466 12.62

35) Methyl tert-Butyl Ether
4.264 3.700 3.654 3.183 3.322 3.166 2.984 2.748 2.656 3.298 15.40

36) Vinyl Acetate
3.063 2.932 2.702 2.738 2.784 2.757 2.736 2.816 4.68

37) 1,1-Dichloroethane
2.555 2.273 2.138 2.013 2.121 2.024 1.913 1.809 1.774 2.069 11.71

38) 2-Butanone
0.399 0.445 0.472 0.501 0.480 0.457 0.439 0.428 0.453 7.06

39) Hexane
1.251 1.122 1.045 0.945 0.970 0.920 0.872 0.814 0.789 0.970 15.36

40) cis-1,2-Dichloroethene
1.993 1.748 1.718 1.609 1.723 1.624 1.574 1.495 1.468 1.661 9.55

41) Di-isopropyl Ether
0.896 0.905 0.893 0.850 0.904 0.869 0.814 0.767 0.751 0.850 6.99

42) Ethyl Acetate
0.268 0.341 0.330 0.365 0.345 0.324 0.308 0.300 0.323 9.39

43) Methyl Acrylate
2.180 1.936 1.859 1.915 1.838 1.739 1.645 1.606 1.840 9.94

44) Chloroform
3.592 3.203 3.011 2.818 2.921 2.766 2.607 2.456 2.382 2.862 13.23

45) 2,4-Dimethylpentane
3.143 2.504 2.186 1.929 1.992 1.912 1.817 1.713 1.675 2.097 22.27

46) Tetrahydrofuran
0.493 0.511 0.526 0.516 0.546 0.515 0.467 0.433 0.415 0.491 9.00

47) 1,1,1-Trichloroethane
3.753 3.212 3.044 2.861 2.943 2.770 2.626 2.429 2.369 2.890 14.71

48) 1,2-Dichloroethane
2.178 1.842 1.820 1.768 1.855 1.754 1.655 1.581 1.550 1.778 10.50

49) Benzene
5.118 4.413 3.855 3.450 3.504 3.249 2.993 2.711 2.609 3.544 22.96

50) Carbon Tetrachloride
3.469 3.152 3.080 2.998 3.209 3.037 2.813 2.585 2.444 2.976 10.67

51) Cyclohexane
2.327 1.875 1.773 1.630 1.724 1.638 1.576 1.500 1.486 1.726 14.97

52) 2,3-Dimethylpentane
1.139 0.831 0.801 0.741 0.762 0.726 0.680 0.638 0.621 0.771 20.04

Initial Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W1969-ICC1969
Lab FileID: 5W47671.D

53) I 1,4-Difluorobenzene ----------ISTD----------
54) 2,2,4-Trimethylpentane
1.899 1.598 1.440 1.332 1.422 1.364 1.326 1.322 1.329 1.448 13.21
55) Heptane
0.356 0.315 0.308 0.281 0.292 0.277 0.265 0.252 0.251 0.289 11.68
56) Trichloroethene
0.394 0.304 0.301 0.286 0.296 0.283 0.276 0.272 0.274 0.298 12.70
57) 1,2-Dichloropropane
0.380 0.364 0.348 0.344 0.358 0.340 0.328 0.322 0.320 0.345 5.83
58) Dibromomethane
0.580 0.485 0.445 0.424 0.428 0.415 0.402 0.394 0.390 0.440 13.62
59) Ethyl Acrylate
0.689 0.687 0.689 0.712 0.691 0.670 0.663 0.656 0.682 2.62
60) Methyl Methacrylate
0.321 0.312 0.318 0.337 0.324 0.312 0.316 0.320 0.320 2.53
61) 1,4-Dioxane
0.270 0.281 0.267 0.267 0.211 0.204 0.201 0.198 0.198 0.233 15.73
62) Bromodichloromethane
0.922 0.839 0.809 0.766 0.817 0.784 0.769 0.755 0.754 0.802 6.70
63) cis-1,3-Dichloropropene
0.845 0.660 0.625 0.544 0.598 0.584 0.579 0.584 0.591 0.623 14.31
64) 4-Methyl-2-pentanone
0.203 0.262 0.275 0.308 0.289 0.284 0.280 0.283 0.287 0.275 10.77
65) trans-1,3-Dichloropropene
0.871 0.678 0.578 0.518 0.559 0.535 0.526 0.518 0.504 0.588 20.23
66) Toluene
1.320 1.202 1.174 1.084 1.149 1.110 1.078 1.057 1.066 1.138 7.46
67) 1,1,2-Trichloroethane
0.492 0.463 0.432 0.405 0.419 0.401 0.374 0.356 0.350 0.410 11.57
68) 1,3-Dichloropropane
0.649 0.559 0.542 0.528 0.547 0.520 0.512 0.508 0.512 0.542 8.09
69) 2-Hexanone
0.927 0.818 0.860 0.696 0.678 0.681 0.692 0.705 0.757 12.82
70) Ethyl Methacrylate
0.543 0.540 0.530 0.544 0.563 0.547 0.526 0.506 0.497 0.533 3.87
71) Dibromochloromethane
0.923 0.859 0.801 0.784 0.858 0.827 0.800 0.775 0.767 0.822 6.16
72) Tetrachloroethene
0.785 0.648 0.629 0.617 0.649 0.616 0.571 0.530 0.513 0.618 12.91
73) 1,2-Dibromoethane
0.723 0.691 0.659 0.653 0.675 0.650 0.631 0.621 0.621 0.658 5.15
74) Octane
0.446 0.756 0.698 0.749 0.724 0.712 0.706 0.706 0.687 14.51
75) 1,1,1,2-Tetrachloroethane
0.643 0.592 0.560 0.529 0.555 0.530 0.502 0.477 0.468 0.539 10.29

76) I Chlorobenzene-d5 ----------ISTD----------
77) Chlorobenzene
2.322 2.089 1.912 1.834 1.844 1.749 1.650 1.536 1.521 1.829 14.17
78) Ethylbenzene
3.642 3.374 3.119 2.970 3.016 2.854 2.705 2.526 2.496 2.967 12.75
79) m,p-Xylene
2.823 2.520 2.417 2.313 2.318 2.164 2.015 1.769 1.684 2.225 16.26
80) Styrene
1.576 1.538 1.512 1.603 1.706 1.642 1.568 1.462 1.465 1.564 5.13
81) Nonane
1.522 2.025 1.691 1.410 1.520 1.472 1.434 1.365 1.341 1.531 13.87
82) o-Xylene
2.912 2.568 2.429 2.338 2.388 2.283 2.198 2.081 2.074 2.363 11.06
83) Bromoform

Initial Calibration Summary

Job Number: JD41994 **Sample:** V5W1969-ICC1969
Account: SESINJPB SESI Consulting Engineers **Lab FileID:** 5W47671.D
Project: Harbor Square, Ossining, NY

```
           1.758 1.617 1.552 1.577 1.612 1.518 1.427 1.288 1.252   1.511   10.79
 84)  1,1,2,2-Tetrachloroethane
           2.162 1.860 1.811 1.752 1.754 1.665 1.574 1.466 1.449   1.721   12.79
 85)  1,2,3-Trichloropropane
           1.751 1.501 1.436 1.442 1.420 1.335 1.229 1.016 0.929   1.340   18.78
 86)  Isopropylbenzene
           3.813 3.401 3.264 3.269 3.314 3.123 2.918 2.690 2.657   3.161   11.54
 87)  Bromobenzene
           1.223 1.125 1.054 1.072 1.086 1.034 0.975 0.894 0.888   1.039   10.36
 88)  2-Chlorotoluene
           0.888 0.815 0.822 0.806 0.801 0.753 0.710 0.633 0.621   0.761   11.87
 89)  n-Propylbenzene
           0.762 0.766 0.770 0.832 0.853 0.808 0.756 0.694 0.680   0.769    7.44
 90)  4-Bromofluorobenzene
           1.137 1.172 1.186 1.236 1.271 1.298 1.338 1.352 1.386   1.264    6.89
 91)  4-Ethyltoluene
           3.022 2.663 2.746 2.973 3.118 2.950 2.816 2.562 2.528   2.820    7.44
 92)  1,3,5-Trimethylbenzene
           2.913 2.463 2.404 2.566 2.574 2.435 2.237 1.855 1.696   2.349   15.94
 93)  alpha-Methylstyrene
           1.100 1.000 0.952 1.111 1.285 1.257 1.194 1.117 1.114   1.126    9.64
 94)  tert-Butylbenzene
           0.677 0.615 0.544 0.544 0.532 0.503 0.463 0.419 0.408   0.523   16.69
 95)  1,2,4-Trimethylbenzene
           2.592 2.145 2.135 2.356 2.545 2.452 2.324 2.124 2.096   2.308    8.33
 96)  1,3-Dichlorobenzene
           1.465 1.284 1.258 1.454 1.628 1.595 1.516 1.399 1.386   1.443    8.78
 97)  1,2,3-trimethylbenzene
           2.615 2.122 2.054 2.302 2.414 2.336 2.184 1.951 1.849   2.203   10.89
 98)  Benzyl Chloride
           0.370 0.310 0.304 0.356 0.437 0.438 0.405 0.375 0.369   0.374   12.85
 99)  1,4-Dichlorobenzene
           1.461 1.213 1.169 1.411 1.560 1.546 1.454 1.306 1.246   1.374   10.56
100)  sec-Butylbenzene
           0.823 0.692 0.620 0.663 0.672 0.638 0.593 0.532 0.524   0.640   14.14
101)  p-Isopropyltoluene
           1.078 0.741 0.659 0.692 0.742 0.715 0.664 0.616 0.597   0.723   19.74
102)  1,2-Dichlorobenzene
           1.451 1.328 1.229 1.381 1.476 1.410 1.258 0.941 0.810   1.254   18.50
103)  n-Butylbenzene
           0.751 0.566 0.550 0.552 0.604 0.608 0.585 0.537 0.524   0.586   11.61
104)  Hexachloroethane
           1.149 1.091 0.967 0.982 0.937 0.860 0.776 0.601 0.534   0.877   23.74
105)  1,2,4-Trichlorobenzene
           0.589 0.466 0.353 0.499 0.528 0.655 0.756 0.790 0.826   0.607   26.59
106)  Naphthalene
           1.938 1.381 1.302 1.730 1.134 1.434 1.703 1.812 1.915   1.594   18.12
107)  Hexachlorobutadiene
           1.247 0.882 0.824 0.889 0.858 0.905 0.907 0.832 0.814   0.906   14.59

108) I   Bromochloromethane (A ----------------ISTD---------------------
109)  TVHC as equiv Pentane
                      1.287 1.151 1.296 1.220 1.162 1.075 1.040   1.176 E1    8.37
 ---------------------------------------------------------------------------
 (#) = Out of Range  ###  Number of calibration levels exceeded format  ###

          m5w1969.M         Tue Feb 01 16:16:56 2022
```

Initial Calibration Verification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W1969-ICV1969
Lab FileID: 5W47684.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w47684.D Vial: 4
Acq On : 1 Feb 2022 2:36 pm Operator: danat
Sample : icv1969-10 Inst : Air5w
Misc : ms56393,v5w1969,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\m5w1969.M (RTE Integrator)
Title : TO-15 Full Scan Mode
Last Update : Tue Feb 01 13:47:06 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Bromochloromethane	1.000	1.000	0.0	109	0.00	11.34
2	Freon 152A	0.662	0.639	3.5	107	0.00	4.39
3	Chlorodifluoromethane	0.360	0.331	8.1	105	0.00	4.45
4	Propene	0.829	0.753	9.2	104	0.00	4.29
5	Chlorotrifluoroethene	1.614	1.550	4.0	107	0.00	4.34
6	Dichlorodifluoromethane	3.935	3.777	4.0	109	0.00	4.38
7	1-Chloro-1,1-difluoroetha	2.734	2.615	4.4	107	0.00	4.79
8	Chloromethane	1.059	0.938	11.4	106	0.00	4.79
9	Dichlorotetrafluoroethane	3.331	3.174	4.7	107	0.00	4.69
10	Vinyl Chloride	1.083	1.044	3.6	107	0.00	5.00
11	1,3-Butadiene	0.761	0.710	6.7	105	0.00	5.06
12	n-Butane	0.155	0.156	-0.6	105	0.00	4.89
13	Bromomethane	0.877	0.756	13.8	106	0.00	5.71
14	Chloroethane	0.482	0.447	7.3	106	0.00	6.01
15	Dichlorofluoromethane	2.651	2.398	9.5	104	0.00	6.45
16	Acetonitrile	0.859	0.714	16.9	99	0.00	9.44
17	Freon 123	2.481	2.403	3.1	110	0.00	7.55
18	Freon 123A	1.335	1.413	-5.8	119	0.00	7.43
19	Bromoethene	1.087	1.037	4.6	108	0.00	6.27
20	Acrolein	0.454	0.381	16.1	97	0.00	8.05
21	Trichlorofluoromethane	3.257	3.157	3.1	109	0.00	6.35
22	Acetone	0.435	0.412	5.3	104	0.00	8.62
23	Pentane	0.283	0.253	10.6	103	0.00	6.37
24	Iodomethane	3.175	3.043	4.2	108	0.00	7.70
25	Isopropyl Alcohol	0.373	0.344	7.8	102	0.00	8.44
26	1,1-Dichloroethene	1.926	1.828	5.1	106	0.00	7.43
27	Freon 113	2.528	2.400	5.1	107	0.00	7.54
28	Methylene Chloride	1.037	0.932	10.1	103	0.00	8.56
29	Carbon Disulfide	3.338	2.990	10.4	100	0.00	7.48
30	Ethanol	0.410	0.387	5.6	111	0.00	7.32
31	Acrylonitrile	0.759	0.697	8.2	103	0.00	10.04
32	3-Chloropropene	0.490	0.484	1.2	107	0.00	8.37
33	trans-1,2-Dichloroethene	1.752	1.638	6.5	103	0.00	8.91
34	tert-Butyl Alcohol	2.466	2.030	17.7	94	0.00	9.28
35	Methyl tert-Butyl Ether	3.298	3.056	7.3	105	0.00	9.14
36	Vinyl Acetate	2.816	2.510	10.9	100	0.00	10.47
37	1,1-Dichloroethane	2.069	1.967	4.9	106	0.00	10.03
38	2-Butanone	0.453	0.468	-3.3	106	0.00	11.96
39	Hexane	0.970	0.902	7.0	107	0.00	9.12
40	cis-1,2-Dichloroethene	1.661	1.571	5.4	106	0.00	11.00
41	Di-isopropyl Ether	0.850	0.832	2.1	104	0.00	9.87
42	Ethyl Acetate	0.323	0.335	-3.7	106	0.00	11.67

Initial Calibration Verification

Job Number: JD41994
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Project: Harbor Square, Ossining, NY

Sample: V5W1969-ICV1969
Lab FileID: 5W47684.D

43		Methyl Acrylate	1.840	1.739	5.5	103	0.00	11.68
44		Chloroform	2.862	2.638	7.8	104	0.00	11.48
45		2,4-Dimethylpentane	2.097	1.844	12.1	105	0.00	10.17
46		Tetrahydrofuran	0.491	0.478	2.6	101	0.00	11.76
47		1,1,1-Trichloroethane	2.890	2.677	7.4	105	0.00	11.87
48		1,2-Dichloroethane	1.778	1.684	5.3	105	0.00	12.82
49		Benzene	3.544	3.191	10.0	107	0.00	12.50
50		Carbon Tetrachloride	2.976	2.944	1.1	106	0.00	11.77
51		Cyclohexane	1.726	1.580	8.5	105	0.00	11.43
52		2,3-Dimethylpentane	0.771	0.698	9.5	105	0.00	11.60
53	I	1,4-Difluorobenzene	1.000	1.000	0.0	109	0.00	13.54
54		2,2,4-Trimethylpentane	1.448	1.315	9.2	105	0.00	12.31
55		Heptane	0.289	0.271	6.2	107	0.00	12.49
56		Trichloroethene	0.298	0.280	6.0	108	0.00	13.53
57		1,2-Dichloropropane	0.345	0.329	4.6	106	0.00	14.39
58		Dibromomethane	0.440	0.395	10.2	104	0.00	14.23
59		Ethyl Acrylate	0.682	0.652	4.4	103	0.00	14.39
60		Methyl Methacrylate	0.320	0.310	3.1	104	0.00	14.75
61		1,4-Dioxane	0.233	0.197	15.5	105	0.00	14.83
62		Bromodichloromethane	0.802	0.763	4.9	106	0.00	14.50
63		cis-1,3-Dichloropropene	0.623	0.593	4.8	111	0.00	15.61
64		4-Methyl-2-pentanone	0.275	0.270	1.8	104	0.00	16.67
65		trans-1,3-Dichloropropene	0.588	0.516	12.2	105	0.00	16.76
66		Toluene	1.138	1.082	4.9	106	0.00	16.06
67		1,1,2-Trichloroethane	0.410	0.389	5.1	106	0.00	17.06
68		1,3-Dichloropropane	0.542	0.505	6.8	106	0.00	17.56
69		2-Hexanone	0.757	0.642	15.2	103	0.00	18.20
70		Ethyl Methacrylate	0.533	0.526	1.3	105	0.00	17.04
71		Dibromochloromethane	0.822	0.802	2.4	106	0.00	17.41
72		Tetrachloroethene	0.618	0.617	0.2	109	0.00	16.79
73		1,2-Dibromoethane	0.658	0.637	3.2	107	0.00	17.85
74		Octane	0.687	0.688	-0.1	104	0.00	15.76
75		1,1,1,2-Tetrachloroethane	0.539	0.519	3.7	107	0.00	18.95
76	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00	18.80
77		Chlorobenzene	1.829	1.745	4.6	107	0.00	18.84
78		Ethylbenzene	2.967	2.834	4.5	106	0.00	18.88
79		m,p-Xylene	2.225	2.173	2.3	108	0.00	19.14
80		Styrene	1.564	1.615	-3.3	105	0.00	19.94
81		Nonane	1.531	1.438	6.1	105	0.00	18.74
82		o-Xylene	2.363	2.268	4.0	107	0.00	19.86
83		Bromoform	1.511	1.513	-0.1	107	0.00	19.99
84		1,1,2,2-Tetrachloroethane	1.721	1.656	3.8	107	0.00	21.04
85		1,2,3-Trichloropropane	1.340	1.294	3.4	104	0.00	21.24
86		Isopropylbenzene	3.161	3.092	2.2	106	0.00	20.36
87		Bromobenzene	1.039	1.005	3.3	104	0.00	20.95
88		2-Chlorotoluene	0.761	0.738	3.0	105	0.00	21.21
89		n-Propylbenzene	0.769	0.801	-4.2	106	0.00	20.98
90	S	4-Bromofluorobenzene	1.264	1.311	-3.7	108	0.00	20.78
91		4-Ethyltoluene	2.820	2.960	-5.0	108	0.00	21.14
92		1,3,5-Trimethylbenzene	2.349	2.414	-2.8	106	0.00	21.25
93		alpha-Methylstyrene	1.126	1.193	-6.0	102	0.00	21.60
94		tert-Butylbenzene	0.523	0.502	4.0	107	0.00	21.70
95		1,2,4-Trimethylbenzene	2.308	2.436	-5.5	107	0.00	21.79
96		1,3-Dichlorobenzene	1.443	1.563	-8.3	105	0.00	22.23
97		1,2,3-trimethylbenzene	2.203	2.313	-5.0	106	0.00	22.36
98		Benzyl Chloride	0.374	0.392	-4.8	96	0.00	22.63
99		1,4-Dichlorobenzene	1.374	1.514	-10.2	105	0.00	22.34
100		sec-Butylbenzene	0.640	0.642	-0.3	108	0.00	21.94

Initial Calibration Verification

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W1969-ICV1969
Lab FileID: 5W47684.D

101		p-Isopropyltoluene	0.723	0.706	2.4	106	0.00	22.12
102		1,2-Dichlorobenzene	1.254	1.398	-11.5	106	0.00	22.87
103		n-Butylbenzene	0.586	0.619	-5.6	109	0.00	22.65
104		Hexachloroethane	0.877	0.821	6.4	102	0.00	22.87
105		1,2,4-Trichlorobenzene	0.607	0.632	-4.1	103	0.00	24.67
106		Naphthalene	1.594	1.225	23.1	92	0.00	25.08
107		Hexachlorobutadiene	0.906	0.950	-4.9	113	0.00	24.62
108	I	Bromochloromethane (A)	1.000	1.000	0.0	109	0.00	11.34
109		TVHC as equiv Pentane	11.759	12.021	-2.2	107	0.00	6.36

(#) = Out of Range SPCC's out = 0 CCC's out = 0
5w47671.D m5w1969.M Tue Feb 01 16:17:44 2022

Continuing Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W2045-CC1969
Lab FileID: 5W49455.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\1\data\5w49455.D Vial: 2
Acq On : 23 Apr 2022 10:09 am Operator: thomash
Sample : cc1969-10 Inst : Air5w
Misc : ms57724,v5w2045,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\m5w1969.M (RTE Integrator)
Title : TO-15 Full Scan Mode
Last Update : Tue Feb 01 13:47:06 2022
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 60% Max. R.T. Dev 0.33min
Max. RRF Dev : 30% Max. Rel. Area : 140%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Bromochloromethane	1.000	1.000	0.0	91	-0.11	11.23
2	Freon 152A	0.662	0.715	-8.0	100	-0.06	4.32
3	Chlorodifluoromethane	0.360	0.465	-29.2	122	-0.06	4.39
4	Propene	0.829	1.006	-21.4	116	-0.06	4.23
5	Chlorotrifluoroethene	1.614	1.645	-1.9	95	-0.06	4.28
6	Dichlorodifluoromethane	3.935	4.751	-20.7	114	-0.06	4.32
7	1-Chloro-1,1-difluoroetha	2.734	3.386	-23.8	115	-0.07	4.72
8	Chloromethane	1.059	1.049	0.9	98	-0.07	4.71
9	Dichlorotetrafluoroethane	3.331	4.005	-20.2	112	-0.07	4.62
10	Vinyl Chloride	1.083	1.149	-6.1	98	-0.07	4.92
11	1,3-Butadiene	0.761	0.760	0.1	94	-0.07	4.98
12	n-Butane	0.155	0.177	-14.2	99	-0.07	4.81
13	Bromomethane	0.877	1.001	-14.1	116	-0.09	5.61
14	Chloroethane	0.482	0.349	27.6	69	-0.10	5.91
15	Dichlorofluoromethane	2.651	2.993	-12.9	108	-0.10	6.35
16	Acetonitrile	0.859	0.967	-12.6	112	-0.14	9.30
17	Freon 123	2.481	2.662	-7.3	101	-0.12	7.43
18	Freon 123A	1.335	1.324	0.8	93	-0.11	7.31
19	Bromoethene	1.087	1.119	-2.9	97	-0.10	6.17
20	Acrolein	0.454	0.367	19.2	78	-0.12	7.93
21	Trichlorofluoromethane	3.257	3.845	-18.1	111	-0.10	6.25
22	Acetone	0.435	0.425	2.3	89	-0.12	8.50
23	Pentane	0.283	0.258	8.8	88	-0.09	6.28
24	Iodomethane	3.175	3.397	-7.0	100	-0.11	7.58
25	Isopropyl Alcohol	0.373	0.461	-23.6	113	-0.11	8.32
26	1,1-Dichloroethene	1.926	2.043	-6.1	99	-0.10	7.32
27	Freon 113	2.528	2.757	-9.1	102	-0.10	7.44
28	Methylene Chloride	1.037	0.985	5.0	91	-0.12	8.45
29	Carbon Disulfide	3.338	3.455	-3.5	96	-0.10	7.38
30	Ethanol	0.410	0.499	-21.7	119	-0.10	7.21
31	Acrylonitrile	0.759	0.692	8.8	85	-0.13	9.91
32	3-Chloropropene	0.490	0.479	2.2	88	-0.11	8.26
33	trans-1,2-Dichloroethene	1.752	1.758	-0.3	92	-0.11	8.80
34	tert-Butyl Alcohol	2.466	2.191	11.2	84	-0.11	9.17
35	Methyl tert-Butyl Ether	3.298	3.103	5.9	89	-0.11	9.03
36	Vinyl Acetate	2.816	3.014	-7.0	100	-0.12	10.36
37	1,1-Dichloroethane	2.069	2.055	0.7	92	-0.12	9.91
38	2-Butanone	0.453	0.462	-2.0	87	-0.12	11.84
39	Hexane	0.970	0.831	14.3	82	-0.10	9.02
40	cis-1,2-Dichloroethene	1.661	1.597	3.9	89	-0.11	10.88
41	Di-isopropyl Ether	0.850	0.761	10.5	79	-0.11	9.76
42	Ethyl Acetate	0.323	0.326	-0.9	86	-0.11	11.56

Continuing Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W2045-CC1969
Lab FileID: 5W49455.D

43		Methyl Acrylate	1.840	1.708	7.2	84	-0.11	11.57
44		Chloroform	2.862	2.894	-1.1	95	-0.11	11.37
45		2,4-Dimethylpentane	2.097	1.768	15.7	84	-0.10	10.07
46		Tetrahydrofuran	0.491	0.518	-5.5	91	-0.11	11.65
47		1,1,1-Trichloroethane	2.890	2.940	-1.7	96	-0.10	11.76
48		1,2-Dichloroethane	1.778	1.774	0.2	92	-0.12	12.70
49		Benzene	3.544	3.171	10.5	89	-0.10	12.39
50		Carbon Tetrachloride	2.976	3.223	-8.3	96	-0.10	11.67
51		Cyclohexane	1.726	1.387	19.6	77	-0.10	11.32
52		2,3-Dimethylpentane	0.771	0.680	11.8	85	-0.10	11.50
53	I	1,4-Difluorobenzene	1.000	1.000	0.0	91	-0.10	13.43
54		2,2,4-Trimethylpentane	1.448	1.243	14.2	83	-0.10	12.22
55		Heptane	0.289	0.265	8.3	87	-0.09	12.40
56		Trichloroethene	0.298	0.294	1.3	94	-0.10	13.42
57		1,2-Dichloropropane	0.345	0.334	3.2	89	-0.10	14.28
58		Dibromomethane	0.440	0.483	-9.8	105	-0.10	14.12
59		Ethyl Acrylate	0.682	0.635	6.9	83	-0.10	14.28
60		Methyl Methacrylate	0.320	0.300	6.3	84	-0.10	14.65
61		1,4-Dioxane	0.233	0.179	23.2	79	-0.11	14.72
62		Bromodichloromethane	0.802	0.836	-4.2	97	-0.10	14.40
63		cis-1,3-Dichloropropene	0.623	0.529	15.1	82	-0.10	15.50
64		4-Methyl-2-pentanone	0.275	0.254	7.6	81	-0.11	16.56
65		trans-1,3-Dichloropropene	0.588	0.523	11.1	89	-0.10	16.65
66		Toluene	1.138	0.958	15.8	78	-0.10	15.96
67		1,1,2-Trichloroethane	0.410	0.394	3.9	89	-0.11	16.94
68		1,3-Dichloropropane	0.542	0.512	5.5	89	-0.11	17.45
69		2-Hexanone	0.757	0.761	-0.5	102	-0.10	18.10
70		Ethyl Methacrylate	0.533	0.531	0.4	88	-0.10	16.94
71		Dibromochloromethane	0.822	0.864	-5.1	95	-0.10	17.31
72		Tetrachloroethene	0.618	0.694	-12.3	102	-0.10	16.69
73		1,2-Dibromoethane	0.658	0.629	4.4	88	-0.10	17.75
74		Octane	0.687	0.739	-7.6	92	-0.09	15.68
75		1,1,1,2-Tetrachloroethane	0.539	0.502	6.9	86	-0.10	18.85
76	I	Chlorobenzene-d5	1.000	1.000	0.0	92	-0.10	18.71
77		Chlorobenzene	1.829	1.558	14.8	82	-0.10	18.74
78		Ethylbenzene	2.967	2.665	10.2	86	-0.09	18.79
79		m,p-Xylene	2.225	2.187	1.7	93	-0.09	19.05
80		Styrene	1.564	1.422	9.1	80	-0.08	19.86
81		Nonane	1.531	1.560	-1.9	98	-0.08	18.65
82		o-Xylene	2.363	2.074	12.2	84	-0.08	19.78
83		Bromoform	1.511	2.090	-38.3#	127	-0.09	19.90
84		1,1,2,2-Tetrachloroethane	1.721	1.825	-6.0	101	-0.07	20.97
85		1,2,3-Trichloropropane	1.340	1.469	-9.6	101	-0.07	21.17
86		Isopropylbenzene	3.161	2.857	9.6	84	-0.07	20.29
87		Bromobenzene	1.039	1.085	-4.4	97	-0.07	20.87
88		2-Chlorotoluene	0.761	0.702	7.8	86	-0.07	21.14
89		n-Propylbenzene	0.769	0.711	7.5	81	-0.07	20.92
90	S	4-Bromofluorobenzene	1.264	1.248	1.3	89	-0.07	20.71
91		4-Ethyltoluene	2.820	2.779	1.5	87	-0.07	21.07
92		1,3,5-Trimethylbenzene	2.349	2.412	-2.7	91	-0.07	21.18
93		alpha-Methylstyrene	1.126	1.110	1.4	81	-0.07	21.53
94		tert-Butylbenzene	0.523	0.452	13.6	83	-0.06	21.64
95		1,2,4-Trimethylbenzene	2.308	2.284	1.0	86	-0.06	21.73
96		1,3-Dichlorobenzene	1.443	1.634	-13.2	94	-0.06	22.17
97		1,2,3-trimethylbenzene	2.203	2.275	-3.3	90	-0.06	22.30
98		Benzyl Chloride	0.374	0.410	-9.6	86	-0.06	22.57
99		1,4-Dichlorobenzene	1.374	1.671	-21.6	100	-0.06	22.28
100		sec-Butylbenzene	0.640	0.583	8.9	84	-0.06	21.88

Continuing Calibration Summary

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Sample: V5W2045-CC1969
Lab FileID: 5W49455.D

101		p-Isopropyltoluene	0.723	0.662	8.4	85	-0.06	22.06
102		1,2-Dichlorobenzene	1.254	1.904	-51.8#	124	-0.06	22.81
103		n-Butylbenzene	0.586	0.554	5.5	84	-0.06	22.60
104		Hexachloroethane	0.877	1.354	-54.4#	145#	-0.06	22.81
105		1,2,4-Trichlorobenzene	0.607	0.676	-11.4	95	-0.06	24.60
106		Naphthalene	1.594	1.214	23.8	78	-0.07	25.01
107		Hexachlorobutadiene	0.906	1.294	-42.8#	132	-0.06	24.57
108	I	Bromochloromethane (A)	1.000	1.000	0.0	91	-0.11	11.23
109		TVHC as equiv Pentane	11.759	15.287	-30.0#	114	-0.10	6.26

(#) = Out of Range SPCC's out = 0 CCC's out = 0

5w47671.D m5w1969.M Mon Apr 25 08:24:12 2022

Run Sequence Report

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Run ID: V2W2599 **Method:** TO-15 **Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2599-BFB	2W58348.D	03/18/22 19:02	n/a	BFB Tune
V2W2599-IC2599	2W58349.D	03/18/22 19:40	n/a	Initial cal 0.5
V2W2599-IC2599	2W58350.D	03/18/22 20:15	n/a	Initial cal 0.2
V2W2599-IC2599	2W58351.D	03/18/22 20:50	n/a	Initial cal 0.1
V2W2599-IC2599	2W58352.D	03/18/22 21:26	n/a	Initial cal 0.04
V2W2599-IC2599	2W58353.D	03/18/22 22:02	n/a	Initial cal 5
V2W2599-ICC2599	2W58354.D	03/18/22 22:38	n/a	Initial cal 10
V2W2599-IC2599	2W58355.D	03/18/22 23:17	n/a	Initial cal 20
V2W2599-ICV2599	2W58363.D	03/19/22 11:40	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Run ID: V2W2601 **Method:** TO-15 **Instrument ID:** GCMS2W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V2W2601-BFB	2W58390.D	03/21/22 06:46	n/a	BFB Tune
V2W2601-CC2599	2W58392.D	03/21/22 08:26	n/a	Continuing cal 10
V2W2601-BS	2W58393.D	03/21/22 09:25	n/a	Blank Spike
V2W2601-BSD	2W58394.D	03/21/22 10:02	n/a	Blank Spike Duplicate
V2W2601-MB	2W58397.D	03/21/22 13:30	n/a	Method Blank
V2W2601-SCC	2W58398.D	03/21/22 14:12	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58399.D	03/21/22 14:54	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58401.D	03/21/22 16:20	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58402.D	03/21/22 17:01	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58403.D	03/21/22 17:44	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58404.D	03/21/22 18:27	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58406.D	03/21/22 19:51	n/a	Summa Cleaning Certification
ZZZZZZ	2W58407.D	03/21/22 20:35	n/a	(unrelated sample)
V2W2601-SCC	2W58408.D	03/21/22 21:18	n/a	Summa Cleaning Certification
V2W2601-SCC	2W58409.D	03/21/22 22:00	n/a	Summa Cleaning Certification
ZZZZZZ	2W58410.D	03/21/22 22:44	n/a	(unrelated sample)
ZZZZZZ	2W58411.D	03/21/22 23:28	n/a	(unrelated sample)
ZZZZZZ	2W58412.D	03/22/22 00:13	n/a	(unrelated sample)
ZZZZZZ	2W58413.D	03/22/22 00:58	n/a	(unrelated sample)
JD40794-10	2W58414.D	03/22/22 01:41	n/a	(used for QC only; not part of job JD41994)
JD40794-10DUP	2W58415.D	03/22/22 02:24	n/a	Duplicate
ZZZZZZ	2W58416.D	03/22/22 03:08	n/a	(unrelated sample)
ZZZZZZ	2W58417.D	03/22/22 03:51	n/a	(unrelated sample)
V2W2601-SCC	2W58418.D	03/22/22 04:33	n/a	Summa Cleaning Certification
ZZZZZZ	2W58421.D	03/22/22 06:40	n/a	(unrelated sample)

Run Sequence Report

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Run ID: V5W1969 **Method:** TO-15 **Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W1969-BFB	5W47665.D	01/31/22 18:33	n/a	BFB Tune
V5W1969-IC1969	5W47670.D	01/31/22 22:37	n/a	Initial cal 5
V5W1969-ICC1969	5W47671.D	01/31/22 23:25	n/a	Initial cal 10
V5W1969-IC1969	5W47672.D	02/01/22 00:16	n/a	Initial cal 20
V5W1969-IC1969	5W47673.D	02/01/22 01:09	n/a	Initial cal 40
V5W1969-IC1969	5W47674.D	02/01/22 02:05	n/a	Initial cal 50
V5W1969-IC1969	5W47679.D	02/01/22 10:35	n/a	Initial cal 0.5
V5W1969-IC1969	5W47680.D	02/01/22 11:23	n/a	Initial cal 0.2
V5W1969-IC1969	5W47681.D	02/01/22 12:12	n/a	Initial cal 0.1
V5W1969-IC1969	5W47682.D	02/01/22 12:59	n/a	Initial cal 0.04
V5W1969-ICV1969	5W47684.D	02/01/22 14:36	n/a	Initial cal verification 10

Run Sequence Report

Job Number: JD41994
Account: SESINJPB SESI Consulting Engineers
Project: Harbor Square, Ossining, NY

Run ID: V5W2045	**Method:** TO-15	**Instrument ID:** GCMS5W

Lab Sample ID	Lab File ID	Date/Time Analyzed	Prep QC Batch	Client Sample ID
V5W2045-BFB	5W49454.D	04/23/22 09:23	n/a	BFB Tune
V5W2045-CC1969	5W49455.D	04/23/22 10:09	n/a	Continuing cal 10
V5W2045-BS	5W49456.D	04/23/22 11:05	n/a	Blank Spike
V5W2045-BSD	5W49457.D	04/23/22 11:51	n/a	Blank Spike Duplicate
V5W2045-MB	5W49459.D	04/23/22 13:34	n/a	Method Blank
V5W2045-SCC	5W49460.D	04/23/22 14:35	n/a	Summa Cleaning Certification
ZZZZZZ	5W49463.D	04/23/22 16:53	n/a	(unrelated sample)
ZZZZZZ	5W49464.D	04/23/22 17:40	n/a	(unrelated sample)
JD41994-2	5W49466.D	04/23/22 19:23	n/a	IA-WATER METER ROOM
JD41994-2DUP	5W49467.D	04/23/22 20:17	n/a	Duplicate
JD41994-4	5W49468.D	04/23/22 21:10	n/a	IA-BIKE STORAGE
JD41994-6	5W49469.D	04/23/22 22:03	n/a	IA-FORMER SUPERINTENDENT OFFICE
JD41994-8	5W49470.D	04/23/22 22:56	n/a	IA-RESTAURANT
JD41994-10	5W49471.D	04/23/22 23:48	n/a	IA-KIOSK
JD41994-1	5W49472.D	04/24/22 00:39	n/a	SS-WATER METER ROOM
JD41994-3	5W49473.D	04/24/22 01:31	n/a	SS-BIKE STORAGE
JD41994-5	5W49474.D	04/24/22 02:22	n/a	SS-RES. STORAGE ROOM
JD41994-7	5W49475.D	04/24/22 03:14	n/a	SS-RESTAURANT
JD41994-9	5W49476.D	04/24/22 04:05	n/a	SS-KIOSK

MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49472.D
Acq On : 24 Apr 2022 12:39 am
Operator : thomash
Sample : jd41994-1
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 26 13:09:22 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

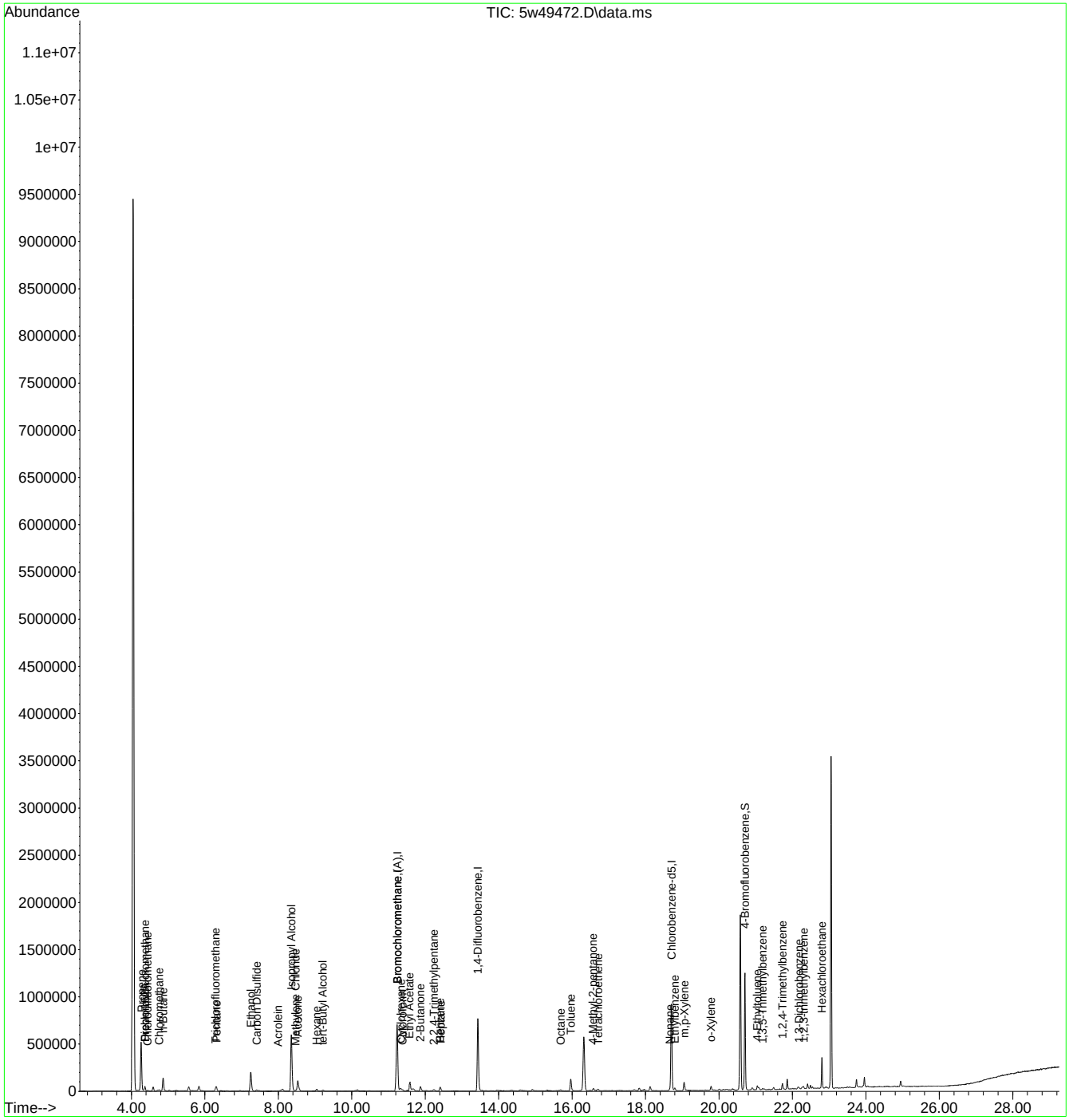
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.243	130	190532	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.434	114	699763	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	347361	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.243	130	190532	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.708	95	349944	7.97	ppb(v	-0.07
Spiked Amount 10.000	Range 65 - 128		Recovery = 79.70%			
Target Compounds						Qvalue
2) Freon 152A	4.367	65	4694	0.37	ppb(v#	80
3) Chlorodifluoromethane	4.434	67	2582	0.38	ppb(v	82
4) Propene	4.275	41	24655	1.56	ppb(v	89
6) Dichlorodifluoromethane	4.367	85	38966	0.52	ppb(v	92
8) Chloromethane	4.759	50	14982	0.74	ppb(v	98
12) n-Butane	4.863	58	12461	4.22	ppb(v	91
20) Acrolein	7.989	56	1938	0.22	ppb(v#	93
21) Trichlorofluoromethane	6.294	101	16195	0.26	ppb(v	90
22) Acetone	8.527	58	45064	5.43	ppb(v	88
23) Pentane	6.325	57	4890	0.91	ppb(v	84
25) Isopropyl Alcohol	8.356	43	213226	30.02	ppb(v	82
28) Methylene Chloride	8.472	84	4258	0.22	ppb(v	80
29) Carbon Disulfide	7.414	76	24118	0.38	ppb(v	94
30) Ethanol	7.255	45	308171	39.49	ppb(v	99
34) tert-Butyl Alcohol	9.206	59	17437	0.37	ppb(v	91
38) 2-Butanone	11.868	72	16408	1.90	ppb(v	97
39) Hexane	9.047	56	6001	0.32	ppb(v#	89
42) Ethyl Acetate	11.574	61	18274	2.97	ppb(v	85
44) Chloroform	11.384	83	9934	0.18	ppb(v	96
49) Benzene	12.406	78	36300	0.54	ppb(v	98
51) Cyclohexane	11.341	56	6103	0.19	ppb(v#	78
54) 2,2,4-Trimethylpentane	12.235	57	18957	0.19	ppb(v#	86
55) Heptane	12.424	71	3912	0.19	ppb(v#	60
64) 4-Methyl-2-pentanone	16.572	58	7833	0.41	ppb(v	80
66) Toluene	15.966	91	114095	1.43	ppb(v	95
72) Tetrachloroethene	16.707	166	6160	0.14	ppb(v#	76
74) Octane	15.685	43	10319	0.21	ppb(v#	78
78) Ethylbenzene	18.799	91	24278	0.24	ppb(v#	93
79) m,p-Xylene	19.056	91	66733	0.86	ppb(v	91
81) Nonane	18.658	43	10674	0.20	ppb(v#	84
82) o-Xylene	19.784	91	26080	0.32	ppb(v#	72
91) 4-Ethyltoluene	21.044	105	33924	0.35	ppb(v#	90
92) 1,3,5-Trimethylbenzene	21.185	105	9162	0.11	ppb(v	92
95) 1,2,4-Trimethylbenzene	21.729	105	35039	0.44	ppb(v#	96
96) 1,3-Dichlorobenzene	22.176	146	5026	0.10	ppb(v	88
97) 1,2,3-trimethylbenzene	22.310	105	13327	0.17	ppb(v#	75
104) Hexachloroethane	22.806	201	48647	1.60	ppb(v	97

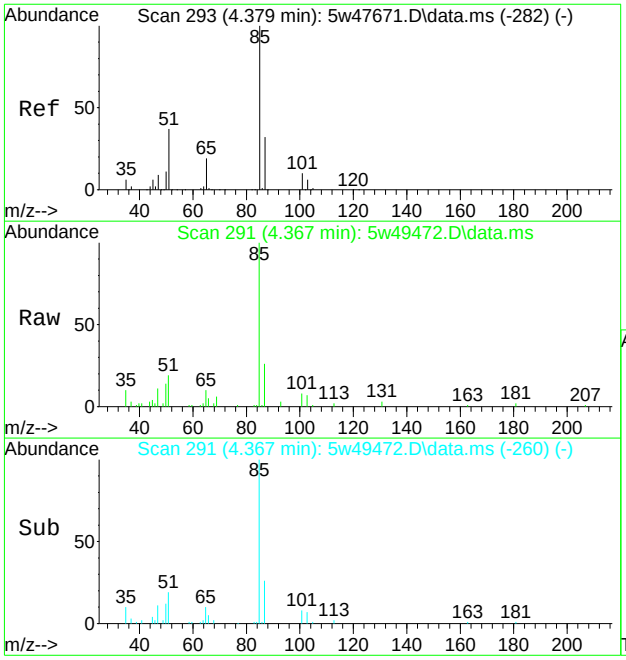
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49472.D
Acq On : 24 Apr 2022 12:39 am
Operator : thomash
Sample : jd41994-1
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Apr 26 13:09:22 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

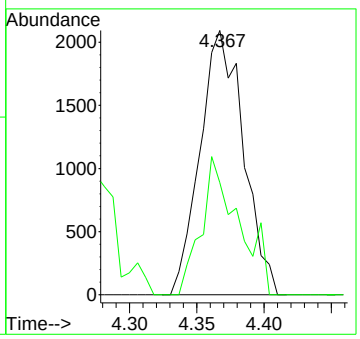


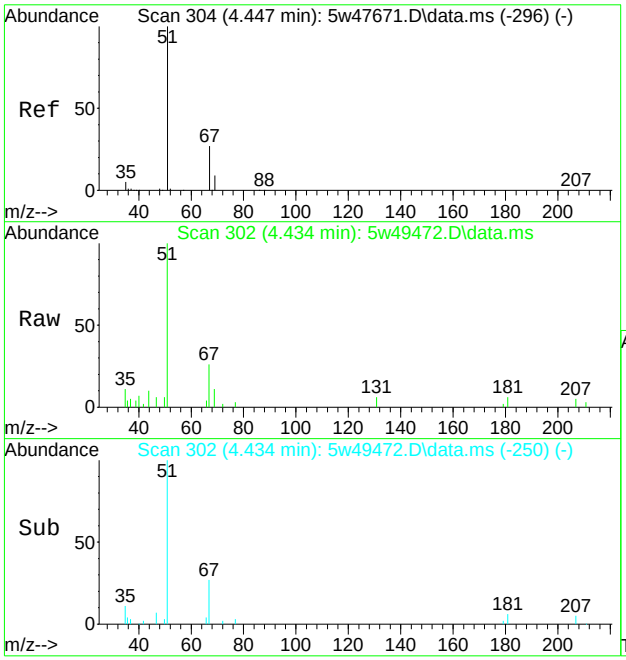


#2
Freon 152A
Concen: 0.37 ppb(v)
RT: 4.367 min Scan# 291
Delta R.T. -0.012 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 65 Resp: 4694

Ion	Ratio	Lower	Upper
65	100		
45	42.5	22.0	41.0#

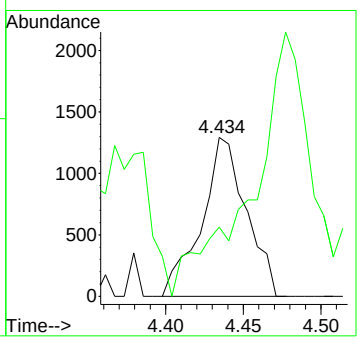


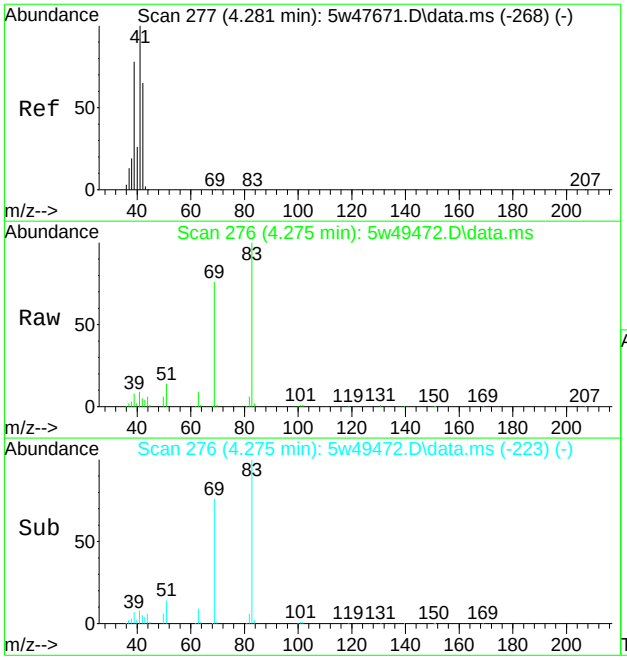


#3
Chlorodifluoromethane
Concen: 0.38 ppb(v)
RT: 4.434 min Scan# 302
Delta R.T. -0.012 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 67 Resp: 2582

Ion	Ratio	Lower	Upper
67	100		
69	43.6	23.5	43.7

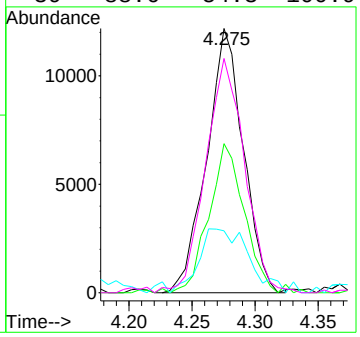


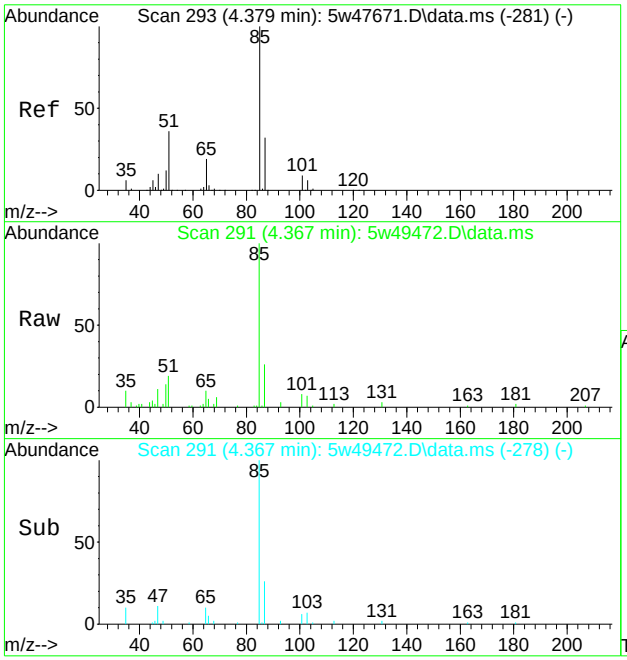


#4
Propene
Concen: 1.56 ppb(v)
RT: 4.275 min Scan# 276
Delta R.T. -0.006 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 41 Resp: 24655

Ion	Ratio	Lower	Upper
41	100		
42	56.4	45.6	84.8
40	23.4	18.4	34.2
39	88.6	54.3	100.9

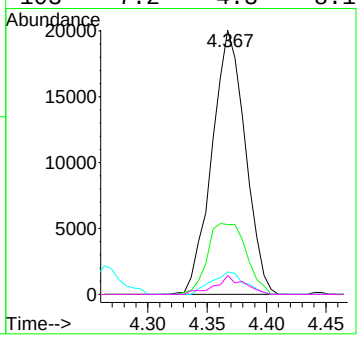


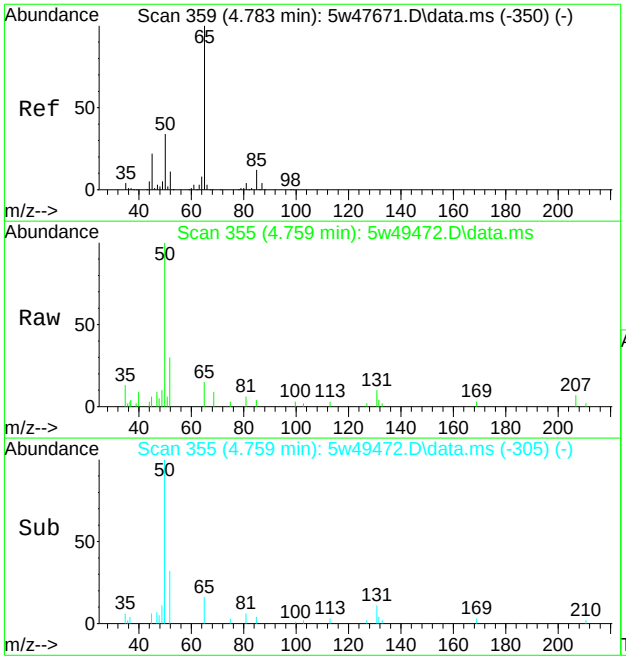


#6
Dichlorodifluoromethane
Concen: 0.52 ppb(v)
RT: 4.367 min Scan# 291
Delta R.T. -0.012 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 85 Resp: 38966

Ion	Ratio	Lower	Upper
85	100		
87	26.4	22.7	42.1
101	8.5	6.5	12.1
103	7.2	4.3	8.1

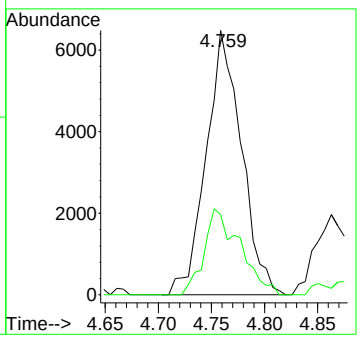


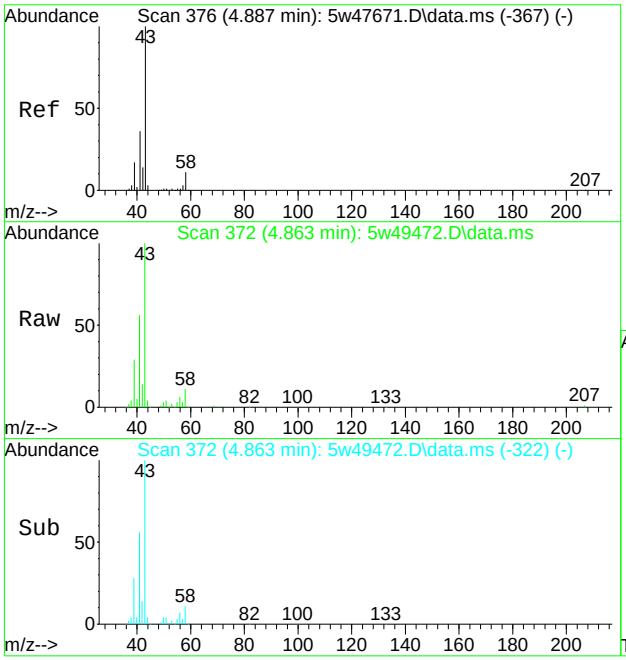


#8
Chloromethane
Concen: 0.74 ppb(v)
RT: 4.759 min Scan# 355
Delta R.T. -0.024 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 50 Resp: 14982

Ion	Ratio	Lower	Upper
50	100		
52	30.3	22.0	40.8

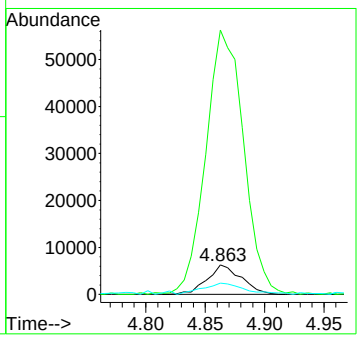


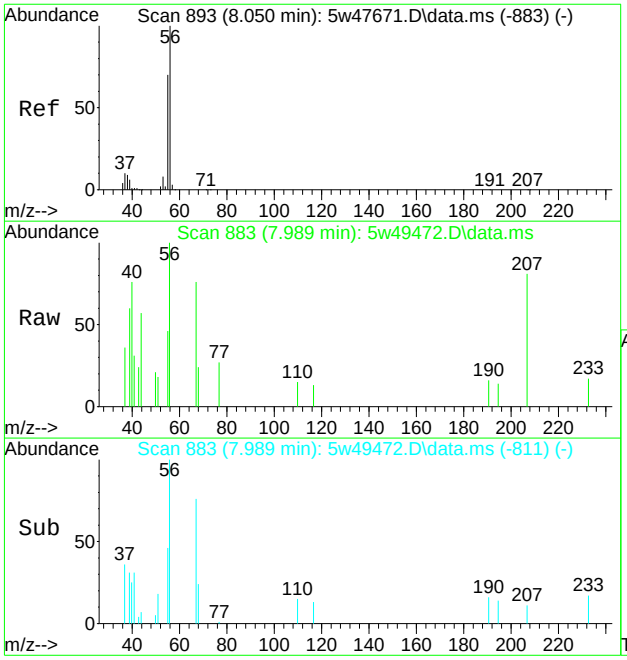


#12
n-Butane
Concen: 4.22 ppb(v)
RT: 4.863 min Scan# 372
Delta R.T. -0.024 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 58 Resp: 12461

Ion	Ratio	Lower	Upper
58	100		
43	893.9	653.7	1213.9
44	39.7	23.2	43.0

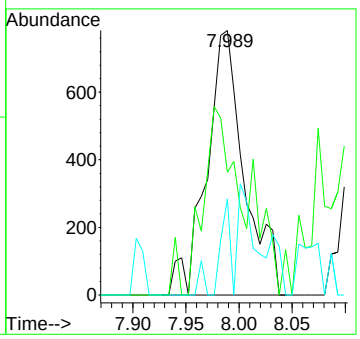


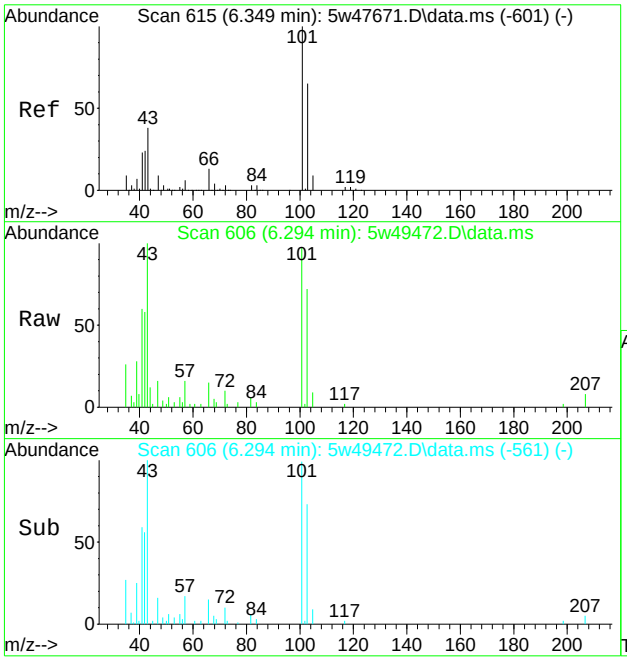


#20
Acrolein
Concen: 0.22 ppb(v)
RT: 7.989 min Scan# 883
Delta R.T. -0.061 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 56 Resp: 1938

Ion	Ratio	Lower	Upper
56	100		
55	77.6	59.9	89.9
37	24.6	8.1	12.1#

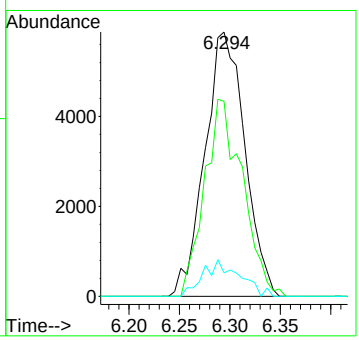


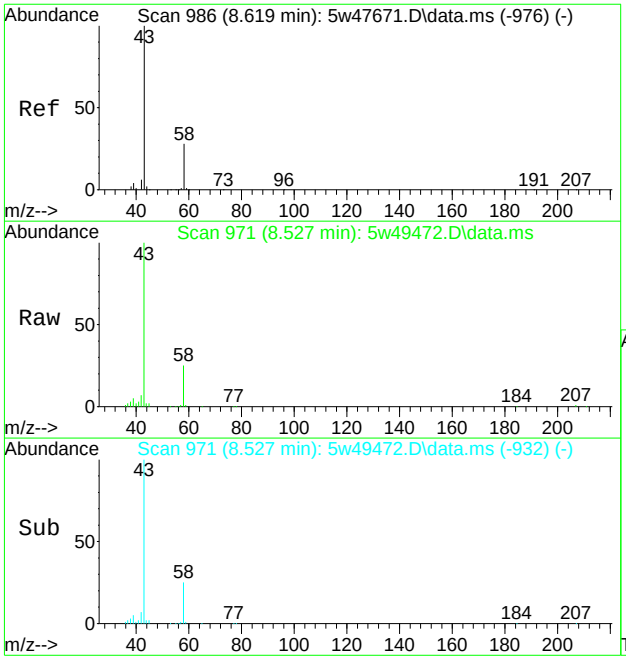


#21
Trichlorofluoromethane
Concen: 0.26 ppb(v)
RT: 6.294 min Scan# 606
Delta R.T. -0.055 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion:101 Resp: 16195

Ion	Ratio	Lower	Upper
101	100		
103	73.8	45.6	84.8
105	8.9	7.4	13.8

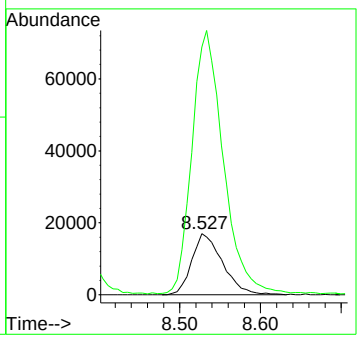


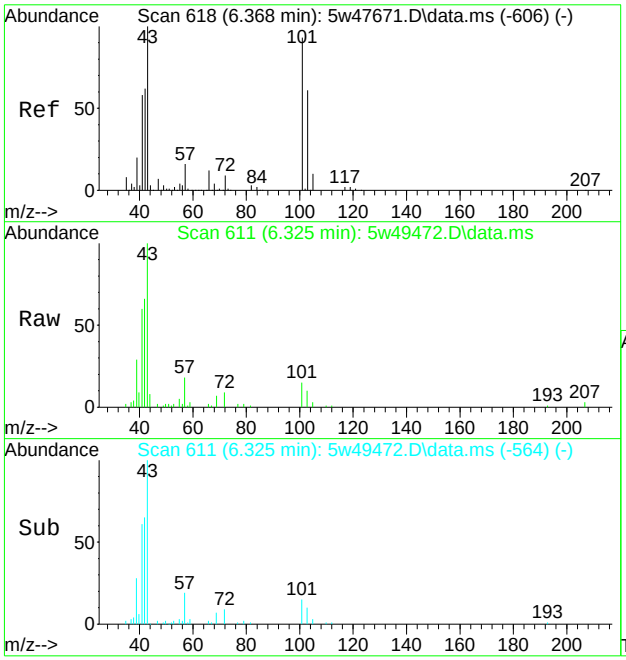


#22
Acetone
Concen: 5.43 ppb(v)
RT: 8.527 min Scan# 971
Delta R.T. -0.092 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 58 Resp: 45064

Ion	Ratio	Lower	Upper
58	100		
43	387.9	253.0	469.8

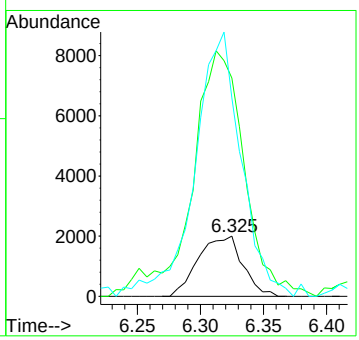


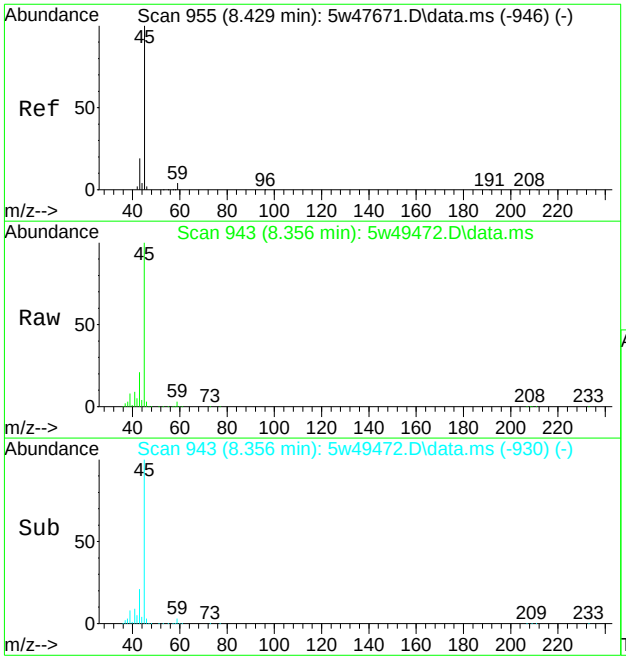


#23
Pentane
Concen: 0.91 ppb(v)
RT: 6.325 min Scan# 611
Delta R.T. -0.043 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 57 Resp: 4890

Ion	Ratio	Lower	Upper
57	100		
42	361.5	277.7	515.7
41	328.6	257.1	477.5

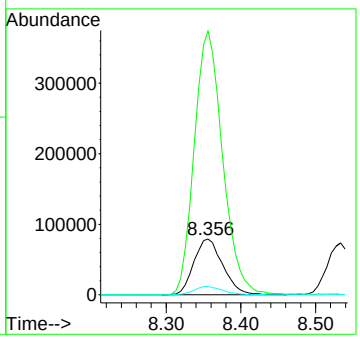


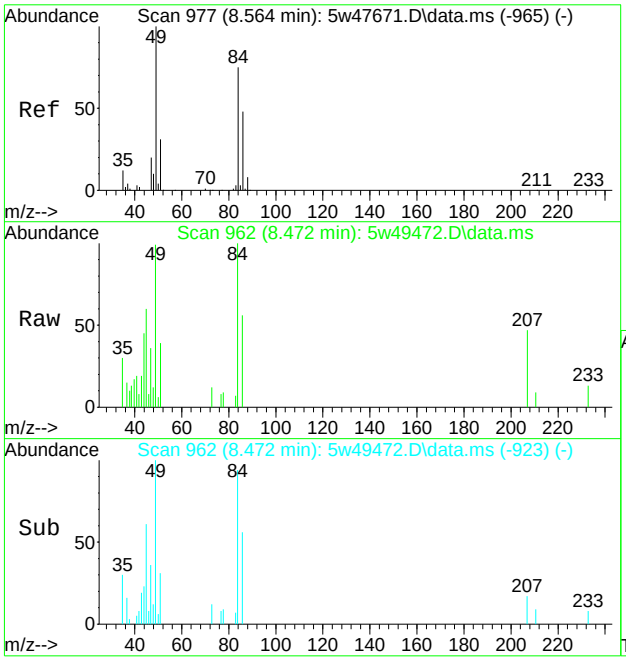


#25
Isopropyl Alcohol
Concen: 30.02 ppb(v)
RT: 8.356 min Scan# 943
Delta R.T. -0.073 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 43 Resp: 213226

Ion	Ratio	Lower	Upper
43	100		
45	473.2	367.4	682.2
59	16.2	13.7	25.5

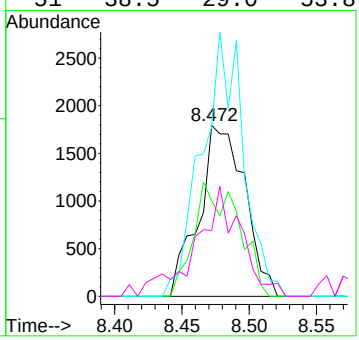


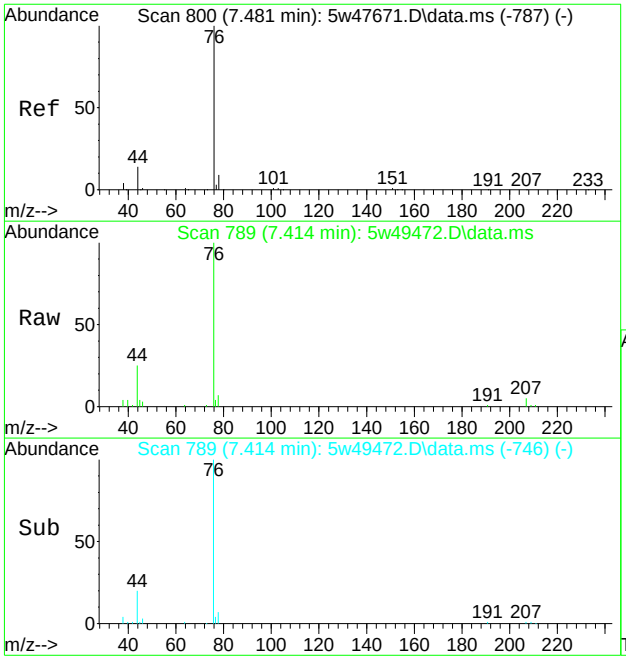


#28
Methylene Chloride
Concen: 0.22 ppb(v)
RT: 8.472 min Scan# 962
Delta R.T. -0.092 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 84 Resp: 4258

Ion	Ratio	Lower	Upper
84	100		
86	55.9	44.8	83.2
49	99.1	93.5	173.7
51	38.5	29.0	53.8

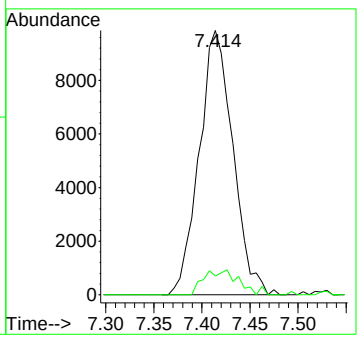


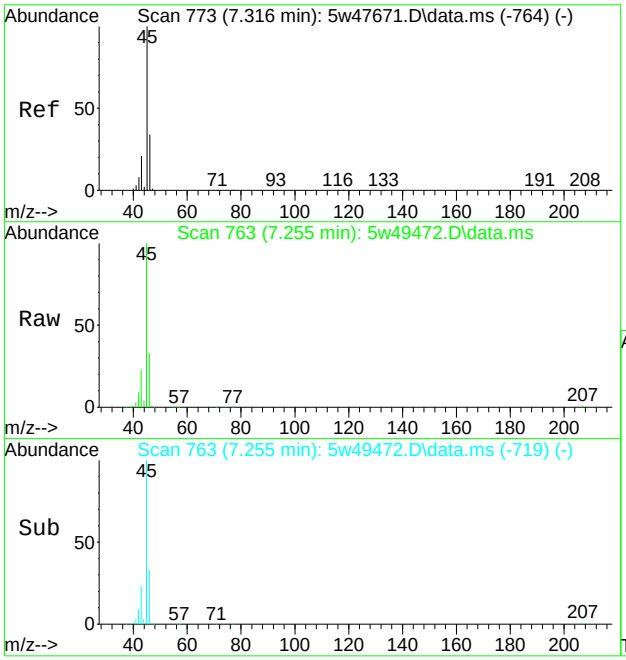


#29
Carbon Disulfide
Concen: 0.38 ppb(v)
RT: 7.414 min Scan# 789
Delta R.T. -0.067 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 76 Resp: 24118

Ion	Ratio	Lower	Upper
76	100		
78	7.1	6.5	12.1

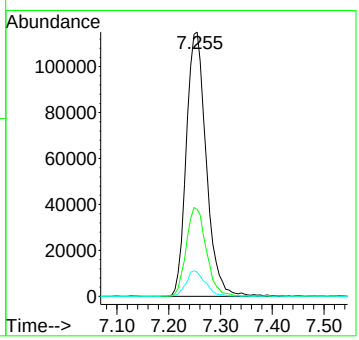


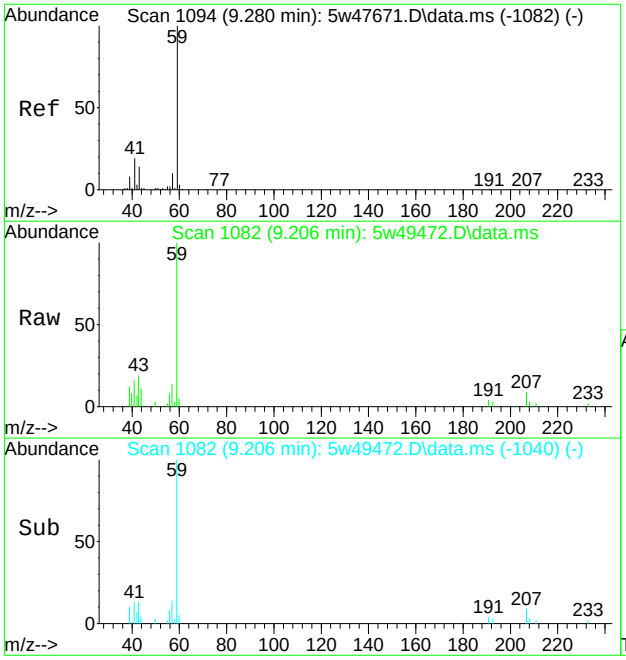


#30
Ethanol
Concen: 39.49 ppb(v)
RT: 7.255 min Scan# 763
Delta R.T. -0.061 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 45 Resp: 308171

Ion	Ratio	Lower	Upper
45	100		
46	33.7	23.9	44.5
42	9.2	5.9	11.1

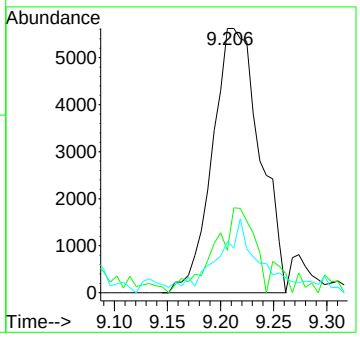


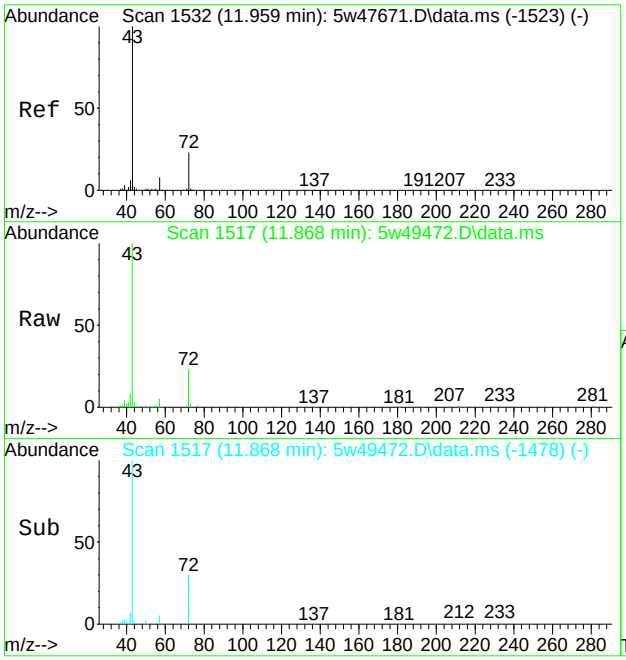


#34
tert-Butyl Alcohol
Concen: 0.37 ppb(v)
RT: 9.206 min Scan# 1082
Delta R.T. -0.073 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 59 Resp: 17437

Ion	Ratio	Lower	Upper
59	100		
41	15.3	13.8	25.6
43	18.4	10.3	19.1

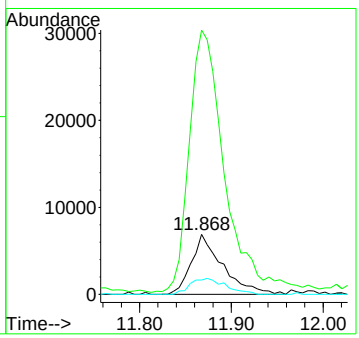


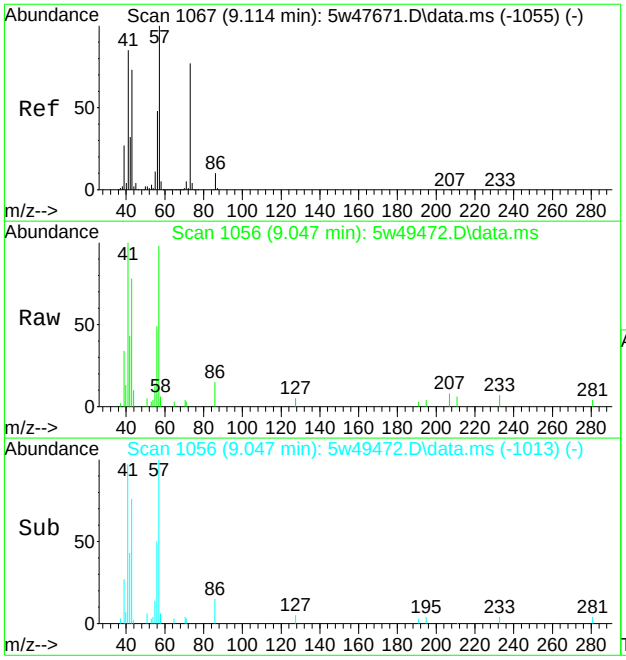


#38
2-Butanone
Concen: 1.90 ppb(v)
RT: 11.868 min Scan# 1517
Delta R.T. -0.092 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 72 Resp: 16408

Ion	Ratio	Lower	Upper
72	100		
43	440.4	305.1	566.7
57	24.1	23.1	42.9

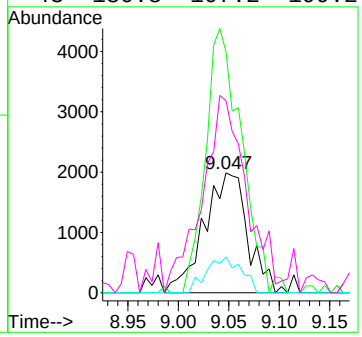


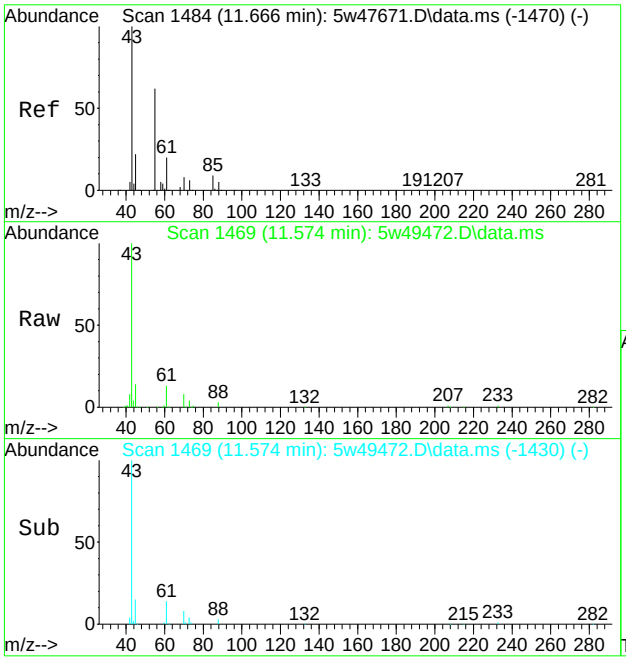


#39
Hexane
Concen: 0.32 ppb(v)
RT: 9.047 min Scan# 1056
Delta R.T. -0.067 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 56 Resp: 6001

Ion	Ratio	Lower	Upper
56	100		
57	213.4	147.0	273.0
86	29.9	15.3	28.3#
43	180.8	107.2	199.2

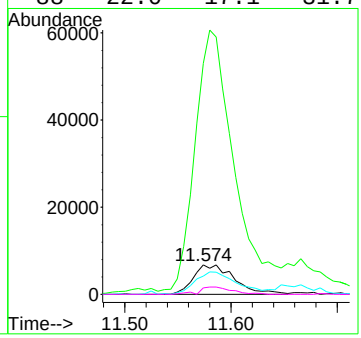


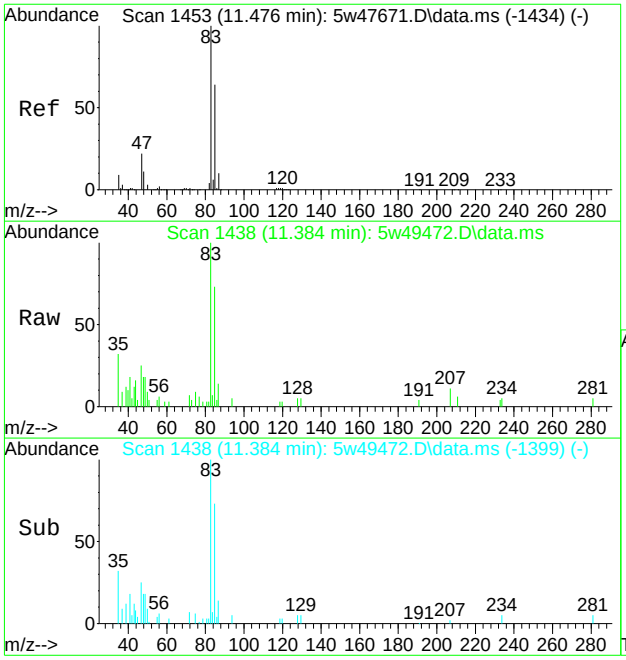


#42
Ethyl Acetate
Concen: 2.97 ppb(v)
RT: 11.574 min Scan# 1469
Delta R.T. -0.092 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 61 Resp: 18274

Ion	Ratio	Lower	Upper
61	100		
43	780.5	509.8	946.8
70	61.9	55.2	102.6
88	22.0	17.1	31.7

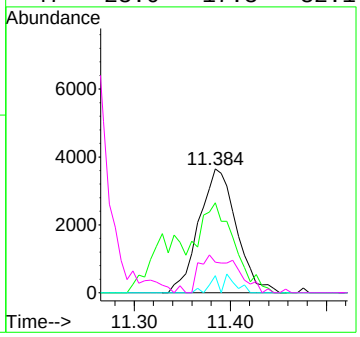


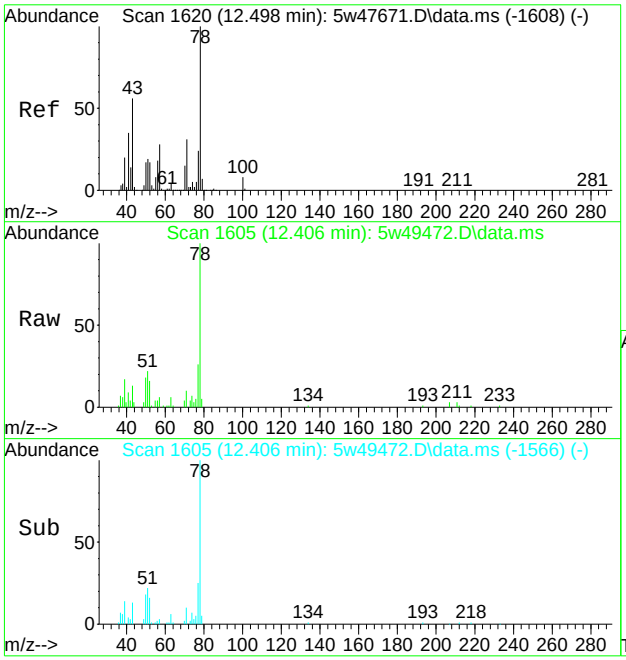


#44
Chloroform
Concen: 0.18 ppb(v)
RT: 11.384 min Scan# 1438
Delta R.T. -0.092 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 83 Resp: 9934

Ion	Ratio	Lower	Upper
83	100		
85	67.6	44.9	83.3
87	12.9	7.3	13.7
47	23.0	17.3	32.1

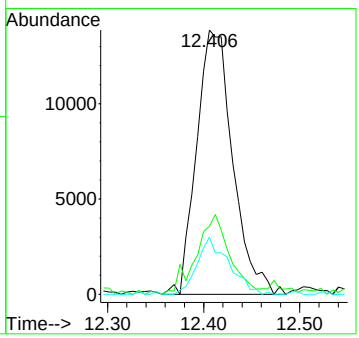


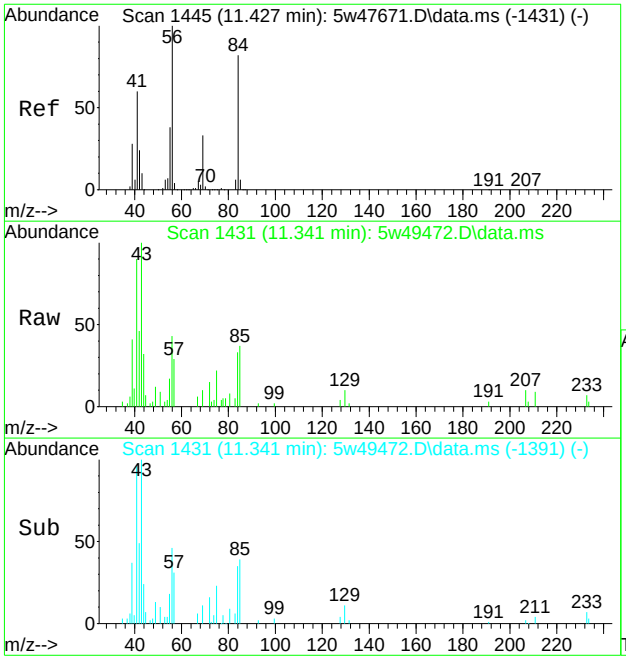


#49
Benzene
Concen: 0.54 ppb(v)
RT: 12.406 min Scan# 1605
Delta R.T. -0.092 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 78 Resp: 36300

Ion	Ratio	Lower	Upper
78	100		
77	24.6	16.9	31.5
51	20.7	13.2	24.4

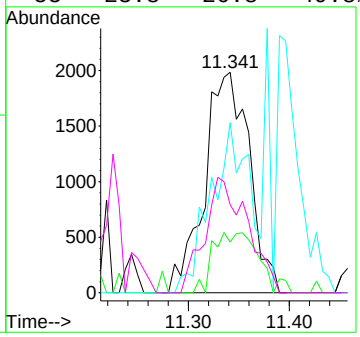


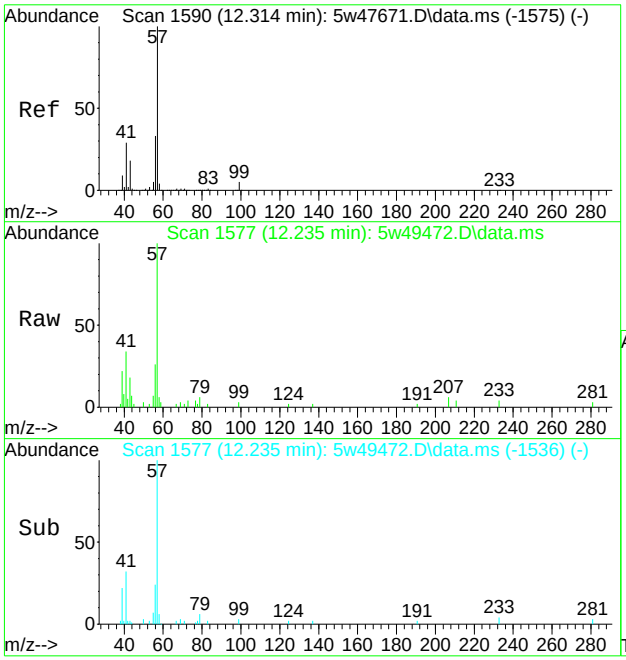


#51
Cyclohexane
Concen: 0.19 ppb(v)
RT: 11.341 min Scan# 1431
Delta R.T. -0.086 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 56 Resp: 6103

Ion	Ratio	Lower	Upper
56	100		
69	13.8	22.7	42.3#
84	97.2	57.4	106.6
55	23.8	26.8	49.8#

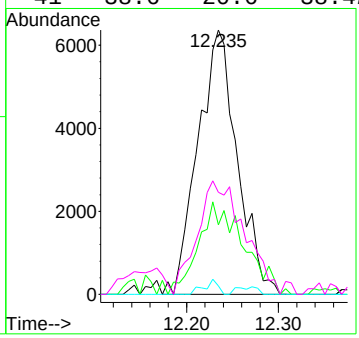


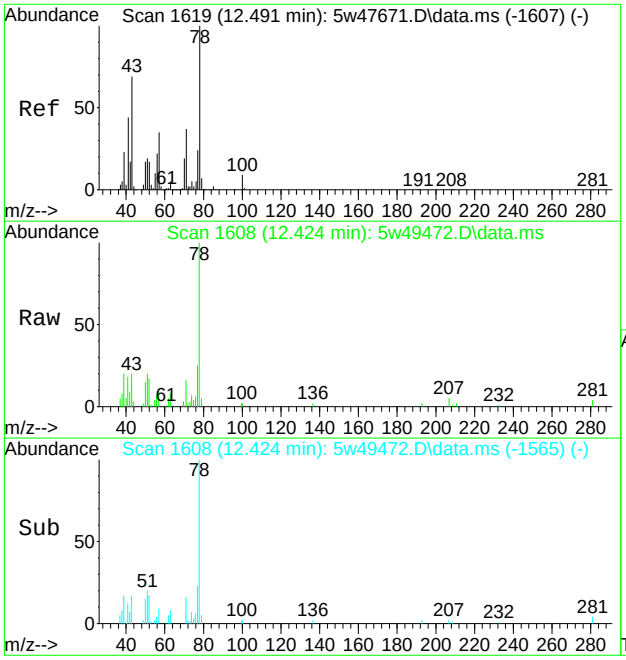


#54
2,2,4-Trimethylpentane
Concen: 0.19 ppb(v)
RT: 12.235 min Scan# 1577
Delta R.T. -0.079 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 57 Resp: 18957

Ion	Ratio	Lower	Upper
57	100		
56	26.3	23.2	43.0
99	3.2	3.2	6.0#
41	38.6	20.6	38.4#

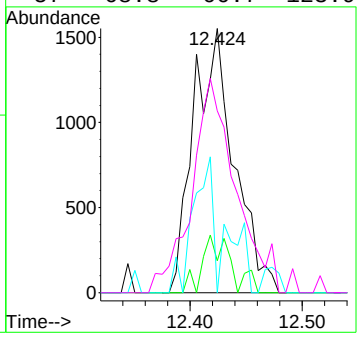


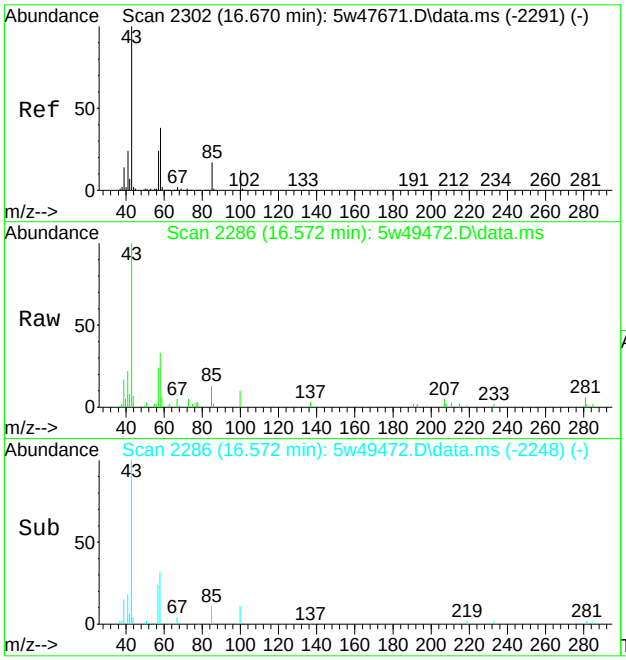


#55
Heptane
Concen: 0.19 ppb(v)
RT: 12.424 min Scan# 1608
Delta R.T. -0.067 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 71 Resp: 3912

Ion	Ratio	Lower	Upper
71	100		
100	12.1	16.7	31.1#
70	0.0	35.4	65.8#
57	68.8	66.7	123.9

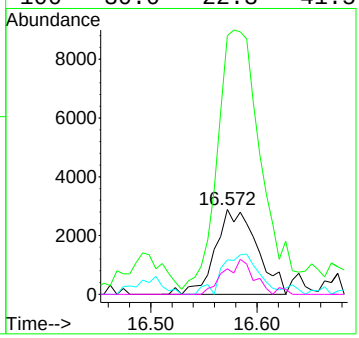


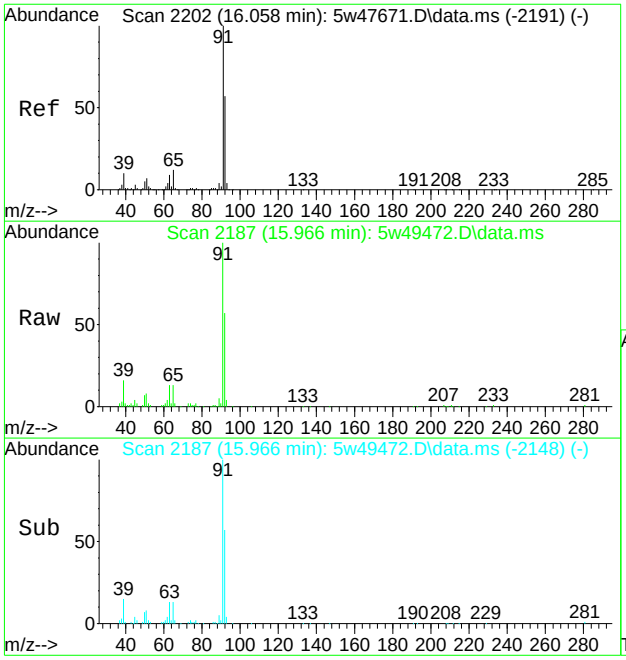


#64
4-Methyl-2-pentanone
Concen: 0.41 ppb(v)
RT: 16.572 min Scan# 2286
Delta R.T. -0.098 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 58 Resp: 7833

Ion	Ratio	Lower	Upper
58	100		
43	304.8	183.3	340.3
85	40.5	31.4	58.2
100	30.0	22.3	41.5

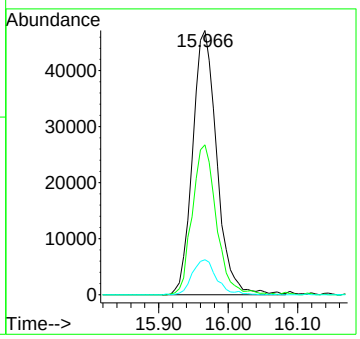


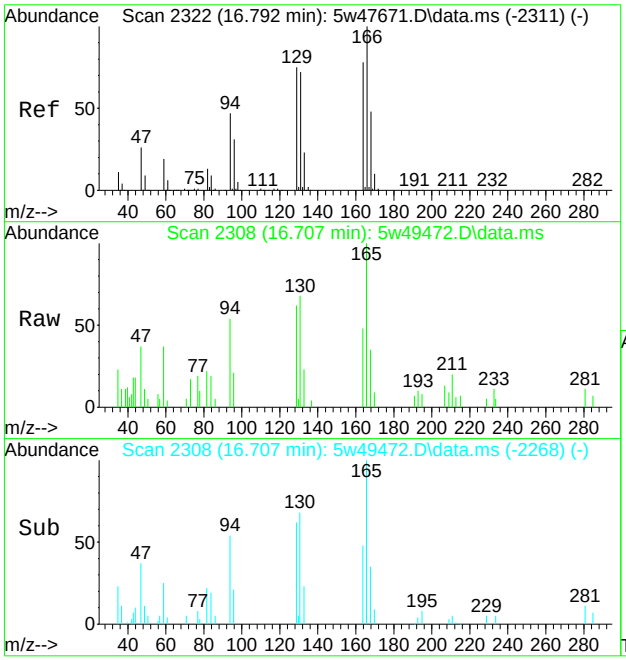


#66
Toluene
Concen: 1.43 ppb(v)
RT: 15.966 min Scan# 2187
Delta R.T. -0.092 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 91 Resp: 114095

Ion	Ratio	Lower	Upper
91	100		
92	60.8	39.8	74.0
65	13.3	8.6	16.0

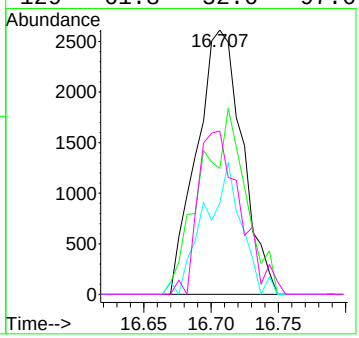


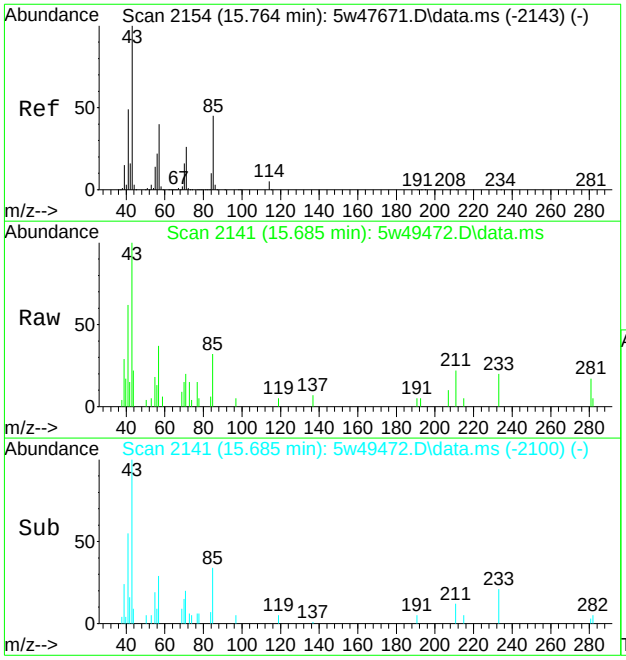


#72
Tetrachloroethene
Concen: 0.14 ppb(v)
RT: 16.707 min Scan# 2308
Delta R.T. -0.086 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion:166 Resp: 6160

Ion	Ratio	Lower	Upper
166	100		
164	47.6	54.5	101.3#
168	34.5	33.5	62.3
129	61.8	52.6	97.6

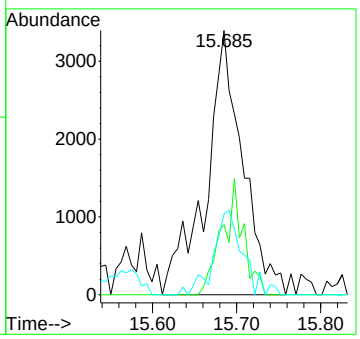


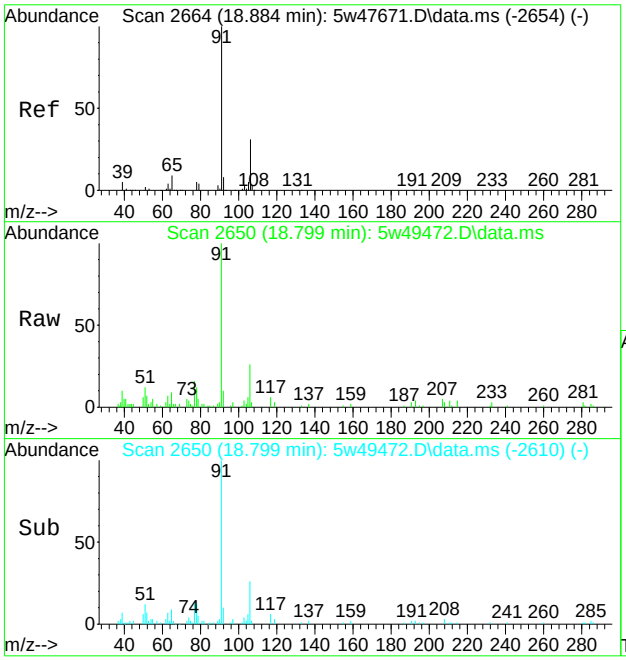


#74
Octane
Concen: 0.21 ppb(v)
RT: 15.685 min Scan# 2141
Delta R.T. -0.079 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 43 Resp: 10319

Ion	Ratio	Lower	Upper
43	100		
85	26.5	31.1	57.9#
57	30.5	27.8	51.6

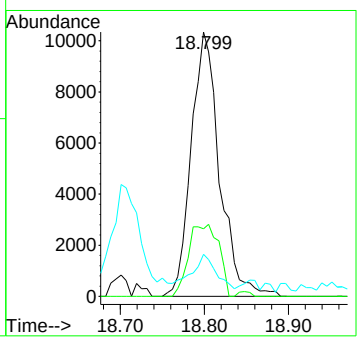


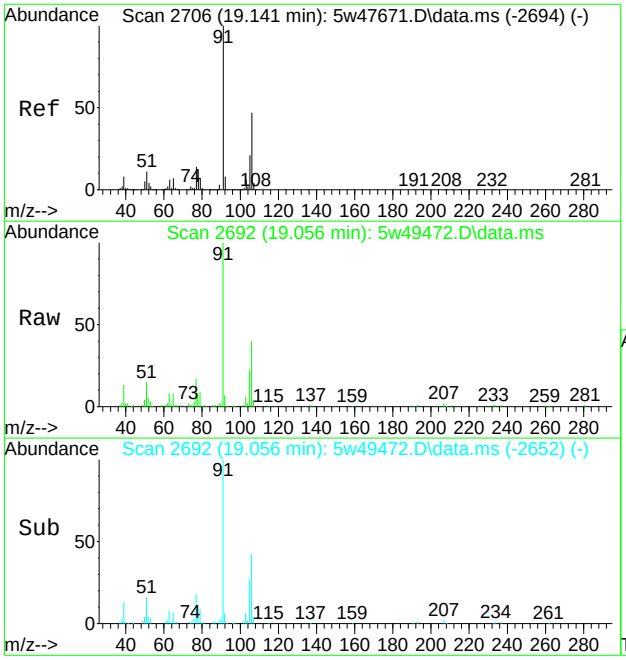


#78
Ethylbenzene
Concen: 0.24 ppb(v)
RT: 18.799 min Scan# 2650
Delta R.T. -0.086 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 91 Resp: 24278

Ion	Ratio	Lower	Upper
91	100		
106	28.5	21.4	39.8
77	16.0	6.6	12.2#

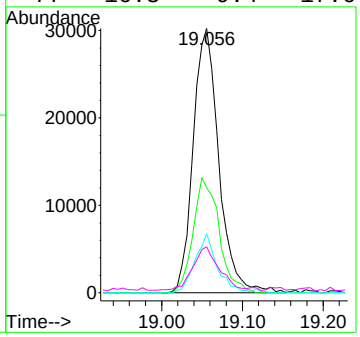


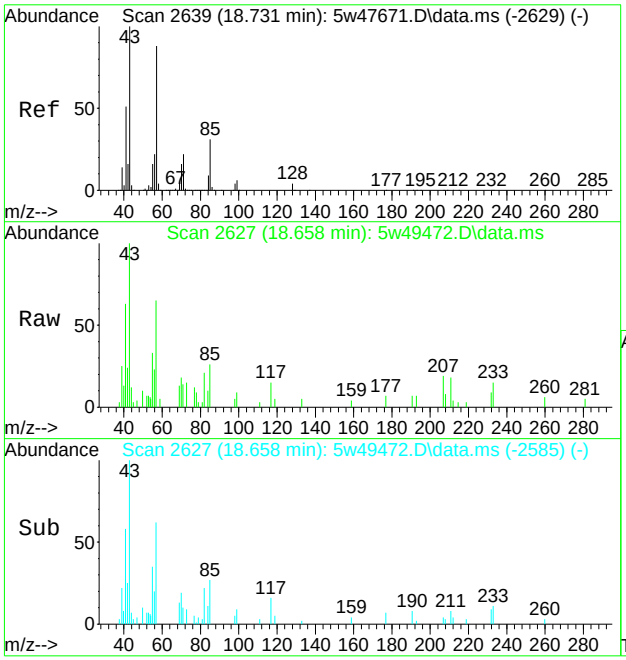


#79
m,p-Xylene
Concen: 0.86 ppb(v)
RT: 19.056 min Scan# 2692
Delta R.T. -0.086 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 91 Resp: 66733

Ion	Ratio	Lower	Upper
91	100		
106	37.2	32.6	60.5
105	21.0	14.5	26.9
77	16.3	9.4	17.6

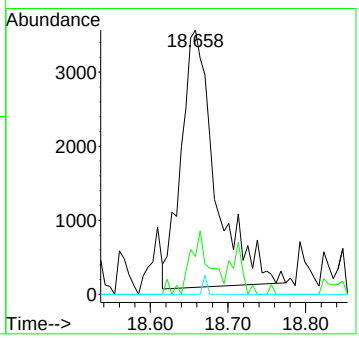


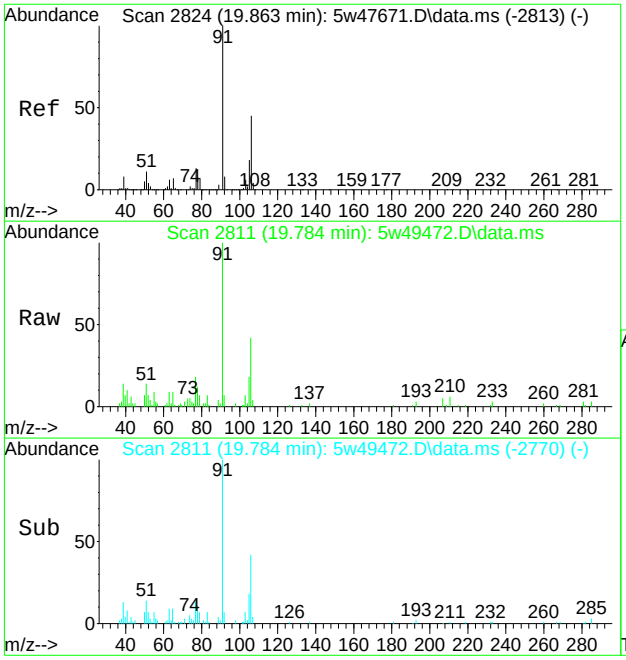


#81
Nonane
Concen: 0.20 ppb(v)
RT: 18.658 min Scan# 2627
Delta R.T. -0.073 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 43 Resp: 10674

Ion	Ratio	Lower	Upper
43	100		
71	14.3	15.5	28.7#
128	0.0	2.9	5.5#

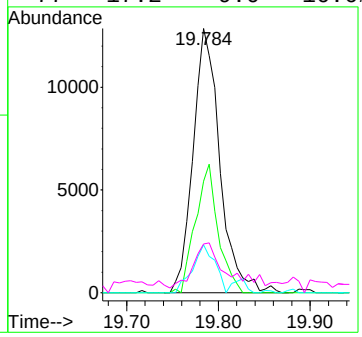


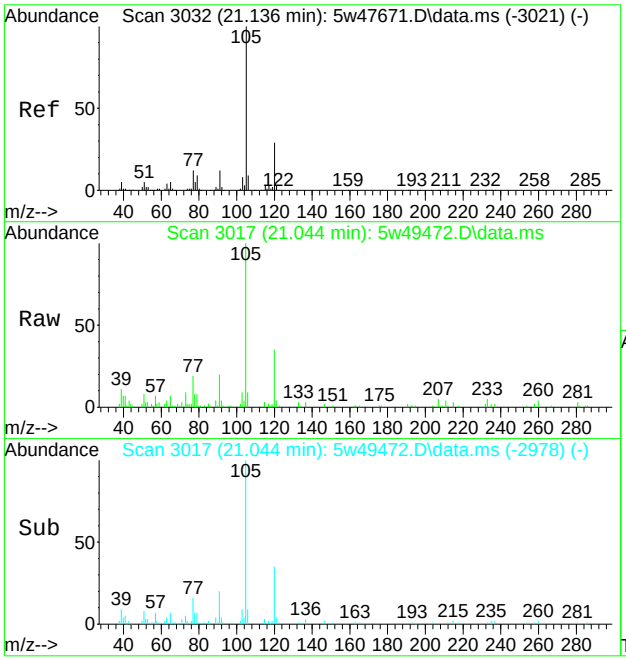


#82
o-Xylene
Concen: 0.32 ppb(v)
RT: 19.784 min Scan# 2811
Delta R.T. -0.079 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion: 91 Resp: 26080

Ion	Ratio	Lower	Upper
91	100		
106	39.5	31.6	58.6
105	56.5	12.4	23.0#
77	17.2	9.0	16.6#

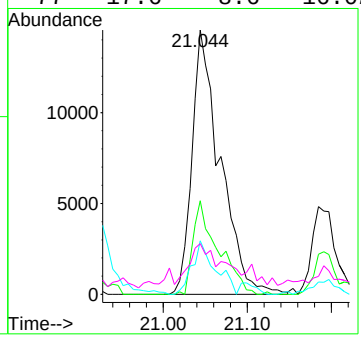


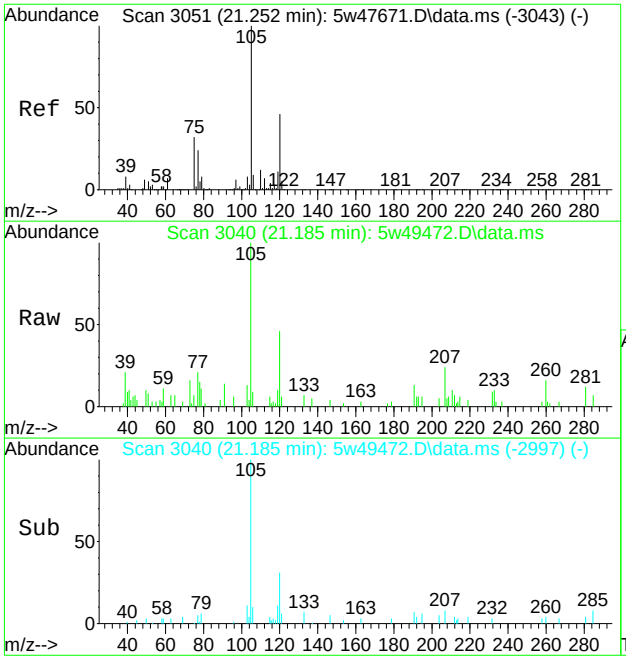


#91
4-Ethyltoluene
Concen: 0.35 ppb(v)
RT: 21.044 min Scan# 3017
Delta R.T. -0.092 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion:105 Resp: 33924

Ion	Ratio	Lower	Upper
105	100		
120	32.6	20.5	38.1
91	18.6	8.2	15.2#
77	17.6	8.6	16.0#

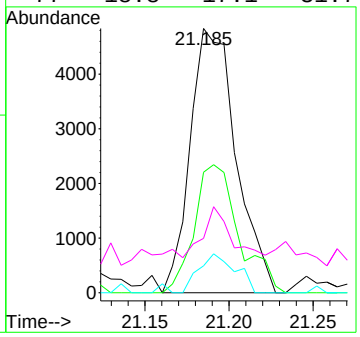


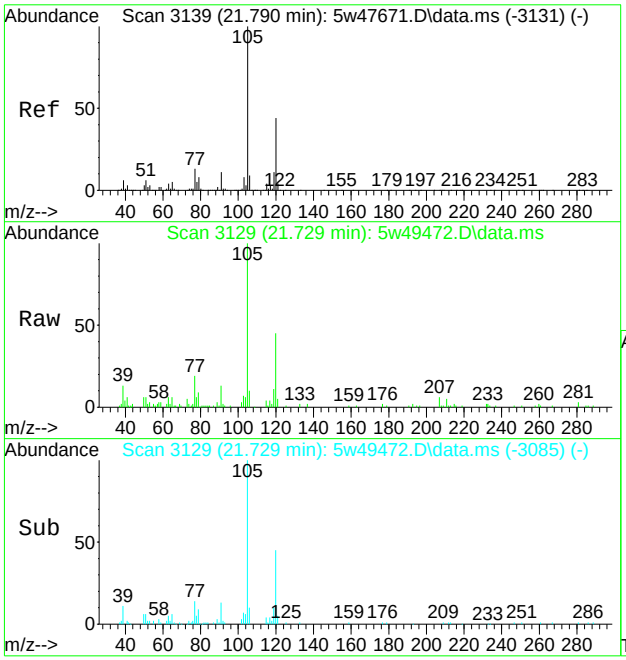


#92
1,3,5-Trimethylbenzene
Concen: 0.11 ppb(v)
RT: 21.185 min Scan# 3040
Delta R.T. -0.067 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion:105 Resp: 9162

Ion	Ratio	Lower	Upper
105	100		
120	41.7	32.3	59.9
119	9.3	7.9	14.7
77	18.8	17.1	31.7

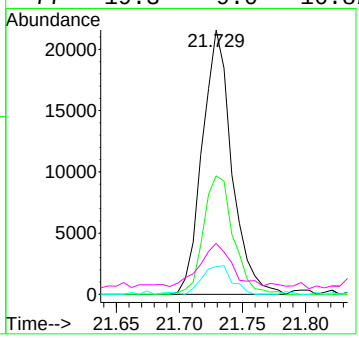


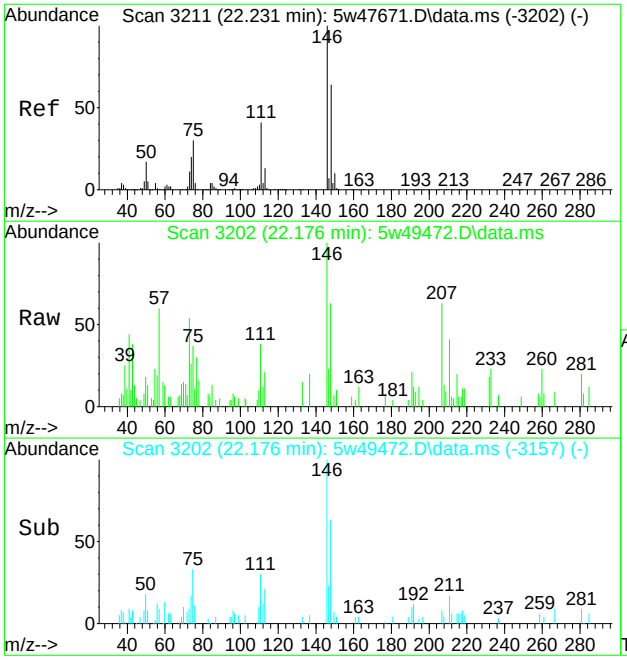


#95
1,2,4-Trimethylbenzene
Concen: 0.44 ppb(v)
RT: 21.729 min Scan# 3129
Delta R.T. -0.061 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion:105 Resp: 35039

Ion	Ratio	Lower	Upper
105	100		
120	44.9	30.7	57.1
119	10.5	8.0	14.8
77	19.3	9.0	16.8#

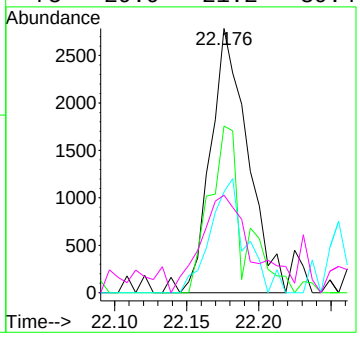


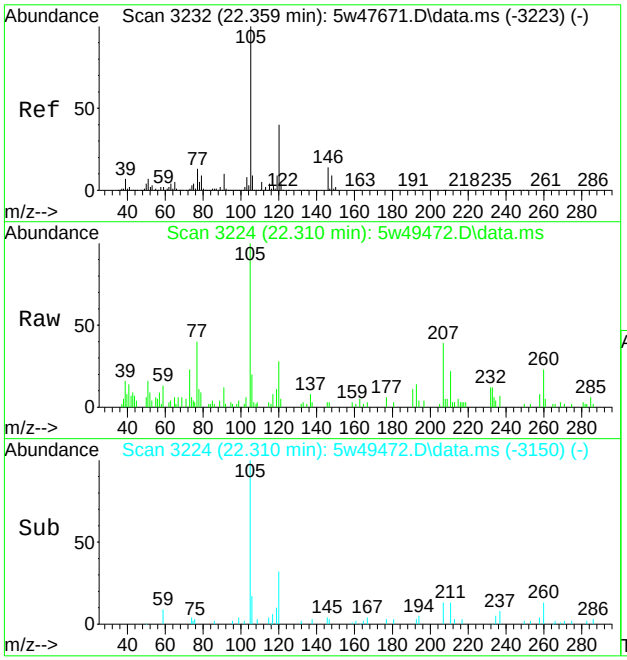


#96
1,3-Dichlorobenzene
Concen: 0.10 ppb(v)
RT: 22.176 min Scan# 3202
Delta R.T. -0.055 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion:146 Resp: 5026

Ion	Ratio	Lower	Upper
146	100		
148	51.2	44.6	82.8
111	31.0	28.5	52.9
75	29.9	21.2	39.4

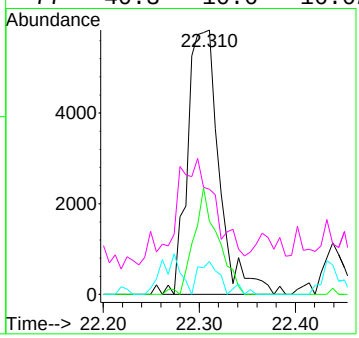


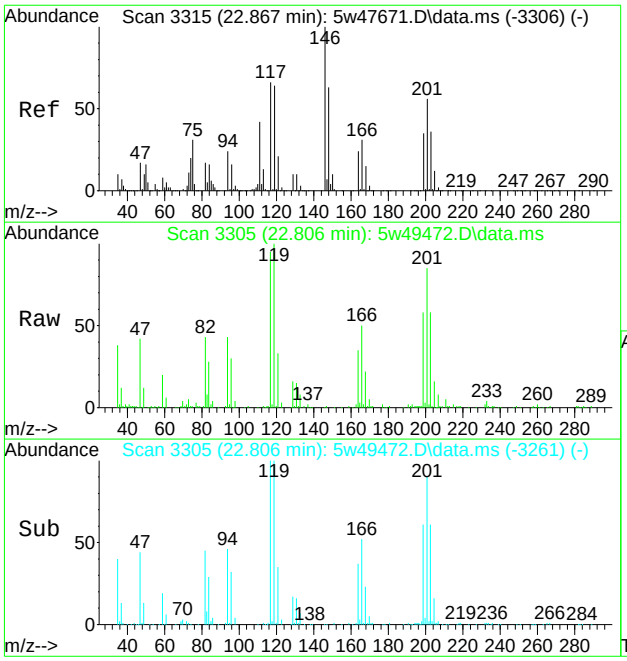


#97
1,2,3-trimethylbenzene
Concen: 0.17 ppb(v)
RT: 22.310 min Scan# 3224
Delta R.T. -0.049 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion:105 Resp: 13327

Ion	Ratio	Lower	Upper
105	100		
120	30.9	33.1	49.7#
91	9.1	8.4	12.6
77	40.3	10.6	16.0#

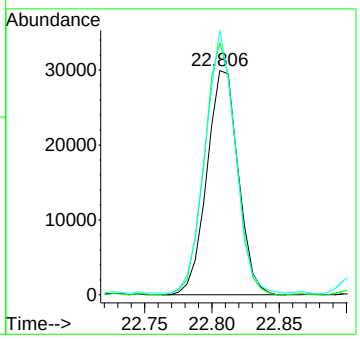




#104
Hexachloroethane
Concen: 1.60 ppb(v)
RT: 22.806 min Scan# 3305
Delta R.T. -0.061 min
Lab File: 5w49472.D
Acq: 24 Apr 2022 12:39 am

Tgt Ion:201 Resp: 48647

Ion	Ratio	Lower	Upper
201	100		
117	114.3	81.9	152.1
119	117.9	79.7	148.1



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 12:09

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49466.D
Acq On : 23 Apr 2022 7:23 pm
Operator : thomash
Sample : jd41994-2
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 25 09:32:36 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

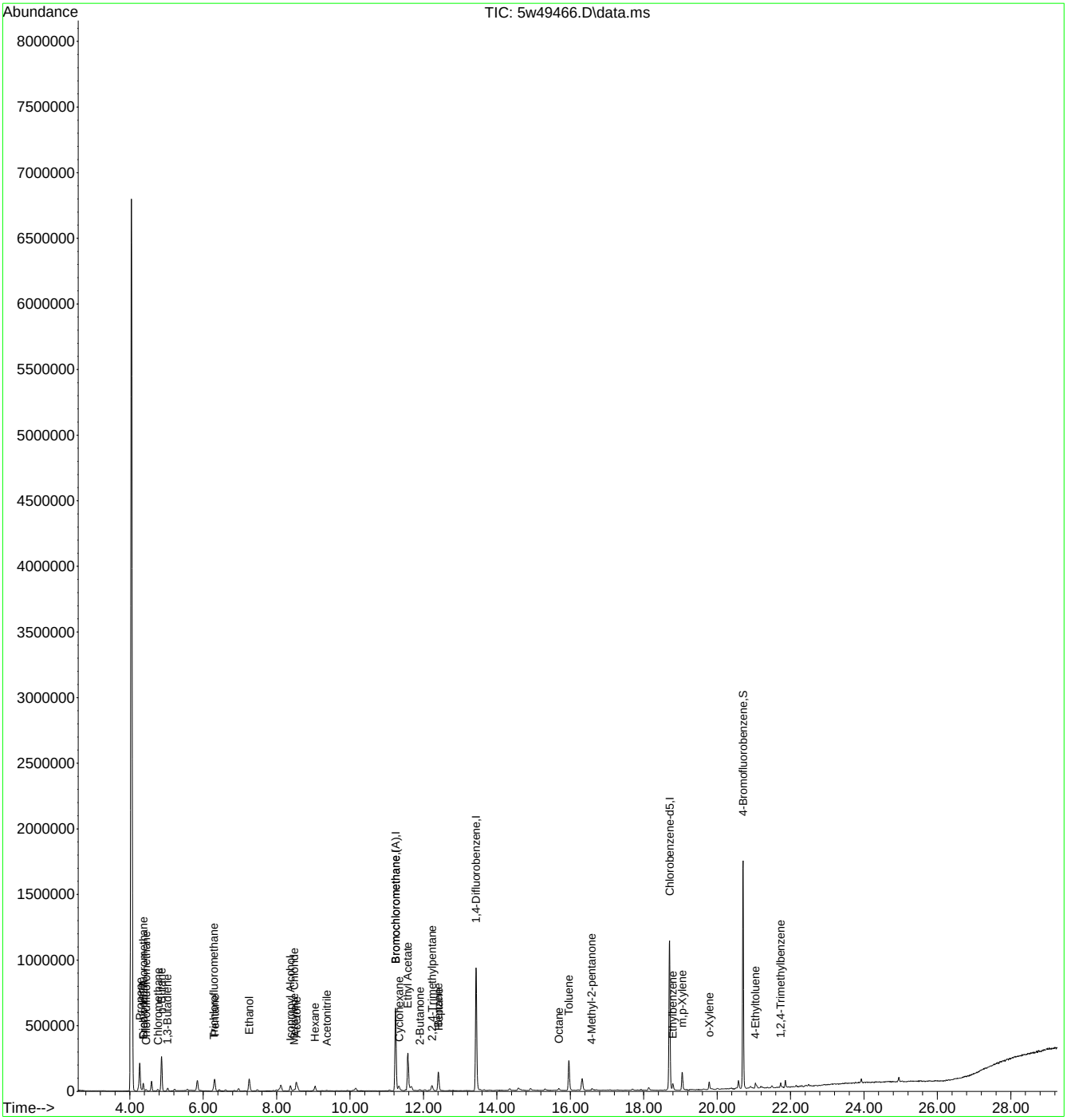
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.243	130	267358	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.434	114	916524	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	439916	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.243	130	267358	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.708	95	506927	9.12	ppb(v	-0.07
Spiked Amount 10.000	Range 65 - 128		Recovery = 91.20%			
Target Compounds						Qvalue
2) Freon 152A	4.373	65	4562	0.26	ppb(v	88
3) Chlorodifluoromethane	4.441	67	2822m	0.29	ppb(v	
4) Propene	4.275	41	69353	3.13	ppb(v	90
6) Dichlorodifluoromethane	4.367	85	55249	0.53	ppb(v	96
8) Chloromethane	4.771	50	15913	0.56	ppb(v	98
11) 1,3-Butadiene	5.022	54	3871	0.19	ppb(v#	61
12) n-Butane	4.863	58	24744	5.98	ppb(v	80
16) Acetonitrile	9.365	41	3069	0.13	ppb(v#	90
21) Trichlorofluoromethane	6.294	101	25338	0.29	ppb(v	90
22) Acetone	8.539	58	29286	2.52	ppb(v	98
23) Pentane	6.325	57	9504	1.26	ppb(v	84
25) Isopropyl Alcohol	8.374	43	15709	1.58	ppb(v#	54
28) Methylene Chloride	8.478	84	6294	0.23	ppb(v	78
30) Ethanol	7.255	45	134658	12.30	ppb(v	96
38) 2-Butanone	11.898	72	3603	0.30	ppb(v	82
39) Hexane	9.041	56	10428	0.40	ppb(v	89
42) Ethyl Acetate	11.574	61	59478	6.90	ppb(v	94
49) Benzene	12.406	78	141179	1.49	ppb(v	97
51) Cyclohexane	11.341	56	10329	0.22	ppb(v#	75
54) 2,2,4-Trimethylpentane	12.235	57	53268	0.40	ppb(v	97
55) Heptane	12.418	71	7073	0.27	ppb(v#	81
64) 4-Methyl-2-pentanone	16.584	58	5461m	0.22	ppb(v	
66) Toluene	15.960	91	217109	2.08	ppb(v	100
74) Octane	15.685	43	8783m	0.14	ppb(v	
78) Ethylbenzene	18.793	91	46704	0.36	ppb(v	91
79) m,p-Xylene	19.050	91	103437	1.06	ppb(v	93
82) o-Xylene	19.790	91	37025	0.36	ppb(v	93
91) 4-Ethyltoluene	21.044	105	33495	0.27	ppb(v#	91
95) 1,2,4-Trimethylbenzene	21.735	105	18180	0.18	ppb(v#	91

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

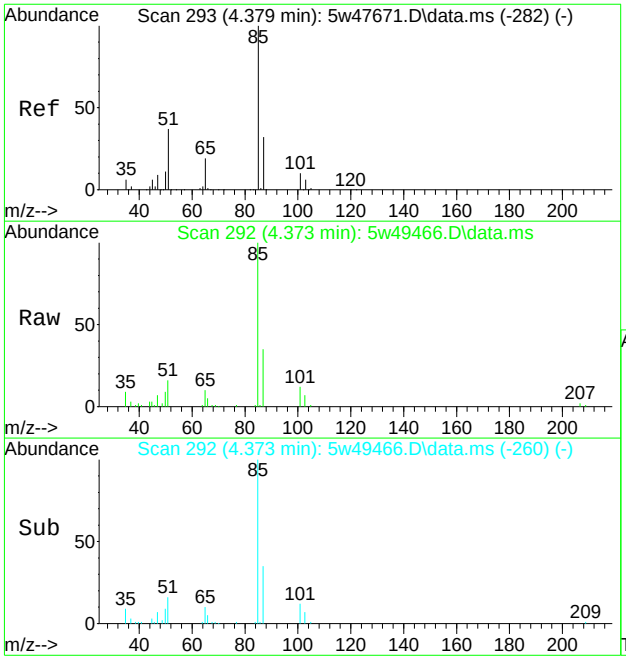
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49466.D
Acq On : 23 Apr 2022 7:23 pm
Operator : thomash
Sample : jd41994-2
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 25 09:32:36 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration



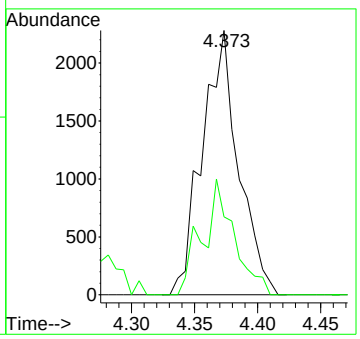
m5w1969.M Mon Apr 25 10:54:49 2022 Page: 2

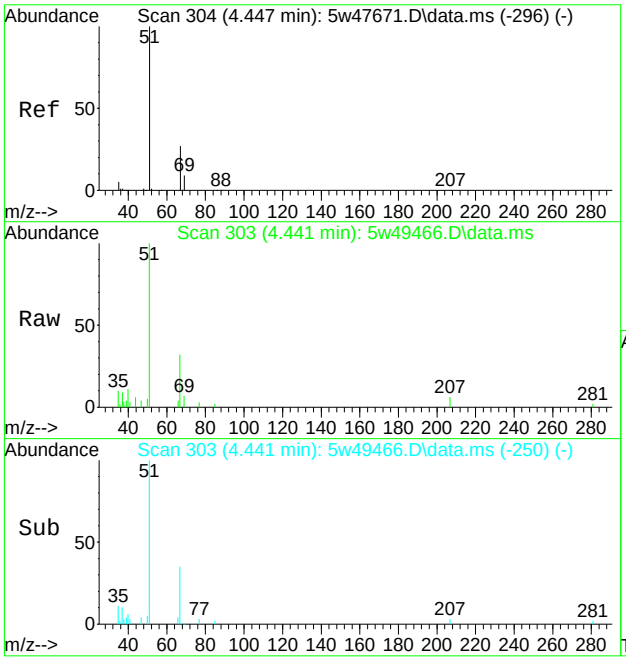


#2
Freon 152A
Concen: 0.26 ppb(v)
RT: 4.373 min Scan# 292
Delta R.T. -0.006 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 65 Resp: 4562

Ion	Ratio	Lower	Upper
65	100		
45	38.1	22.0	41.0

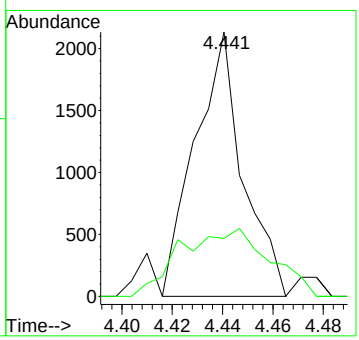


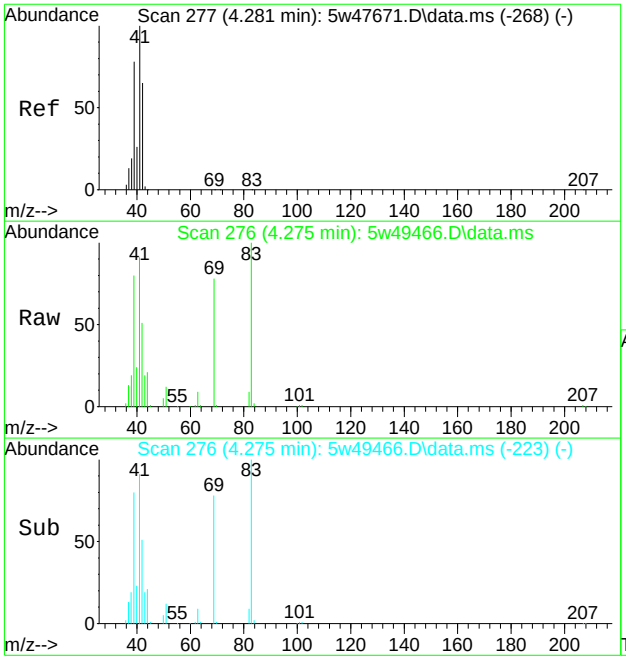


#3
Chlorodifluoromethane
Concen: 0.29 ppb(v) m
RT: 4.441 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 67 Resp: 2822

Ion	Ratio	Lower	Upper
67	100		
69	22.0	23.5	43.7#

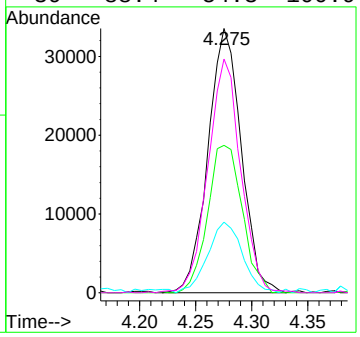


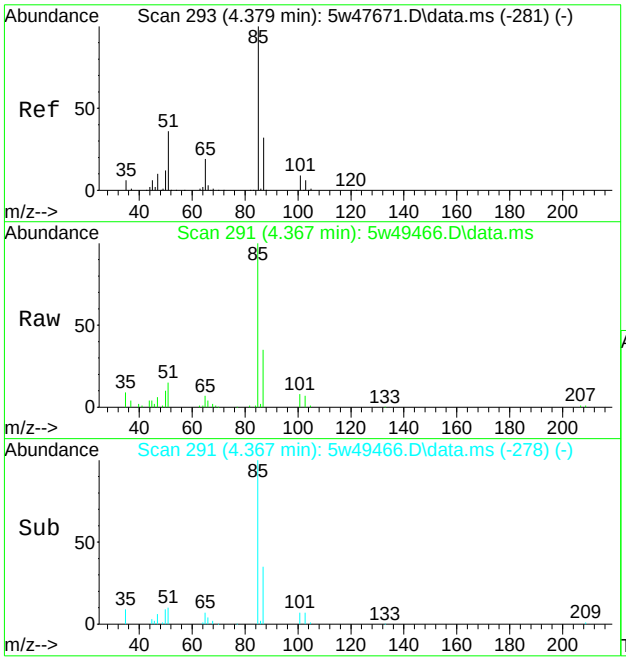


#4
Propene
Concen: 3.13 ppb(v)
RT: 4.275 min Scan# 276
Delta R.T. -0.006 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 41 Resp: 69353

Ion	Ratio	Lower	Upper
41	100		
42	55.8	45.6	84.8
40	26.7	18.4	34.2
39	88.4	54.3	100.9

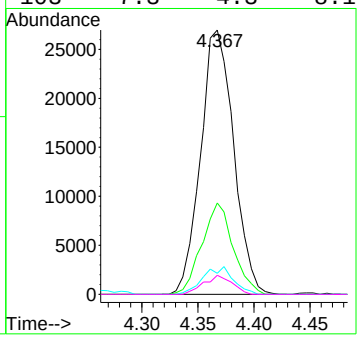


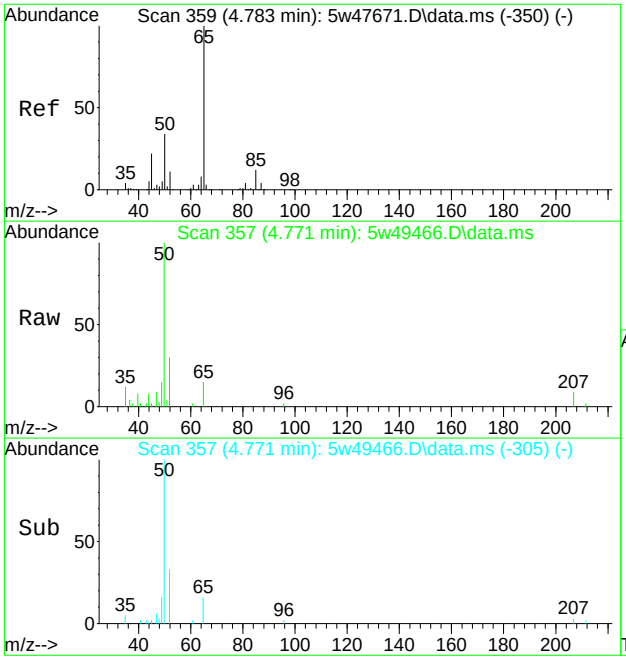


#6
Dichlorodifluoromethane
Concen: 0.53 ppb(v)
RT: 4.367 min Scan# 291
Delta R.T. -0.012 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 85 Resp: 55249

Ion	Ratio	Lower	Upper
85	100		
87	34.6	22.7	42.1
101	8.0	6.5	12.1
103	7.3	4.3	8.1

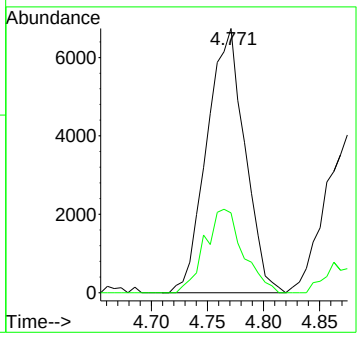


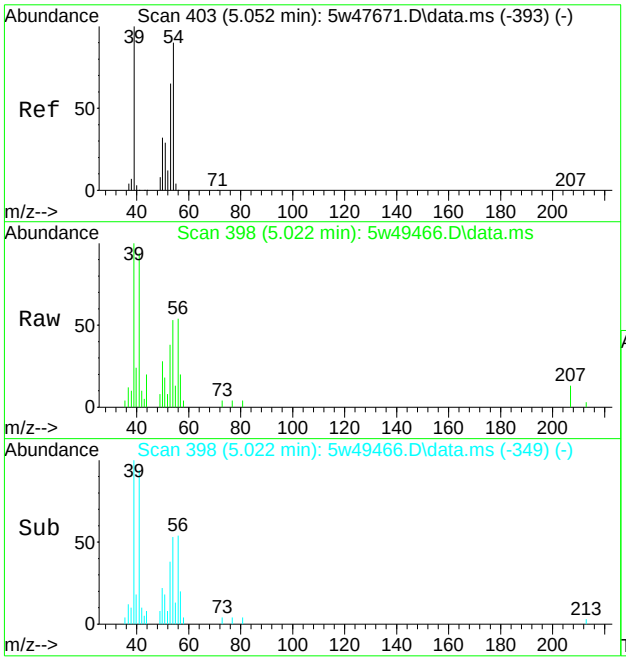


#8
Chloromethane
Concen: 0.56 ppb(v)
RT: 4.771 min Scan# 357
Delta R.T. -0.012 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 50 Resp: 15913

Ion	Ratio	Lower	Upper
50	100		
52	30.2	22.0	40.8

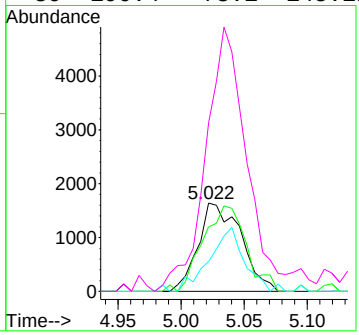


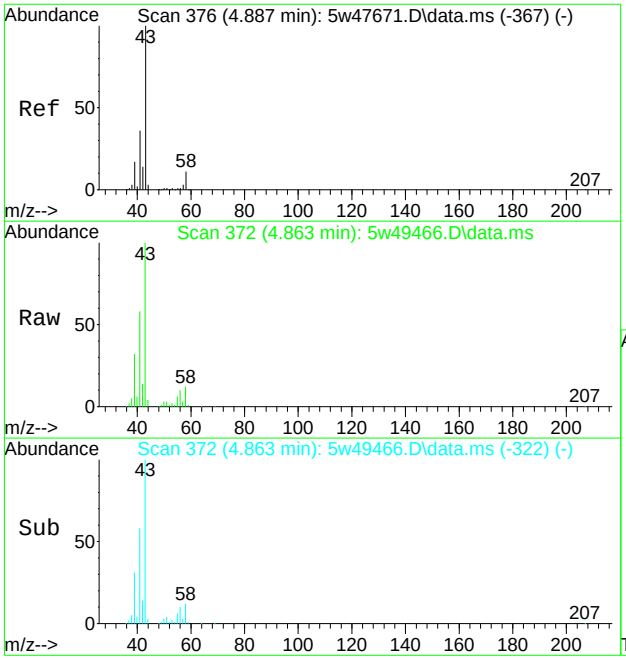


#11
1,3-Butadiene
Concen: 0.19 ppb(v)
RT: 5.022 min Scan# 398
Delta R.T. -0.031 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 54 Resp: 3871

Ion	Ratio	Lower	Upper
54	100		
53	73.1	50.6	94.0
51	33.7	22.3	41.5
39	190.4	78.1	145.1#

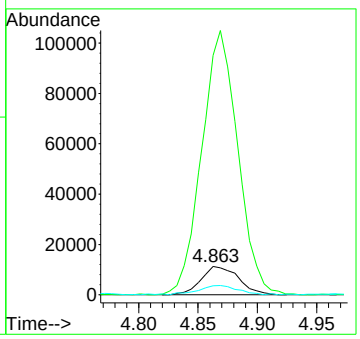


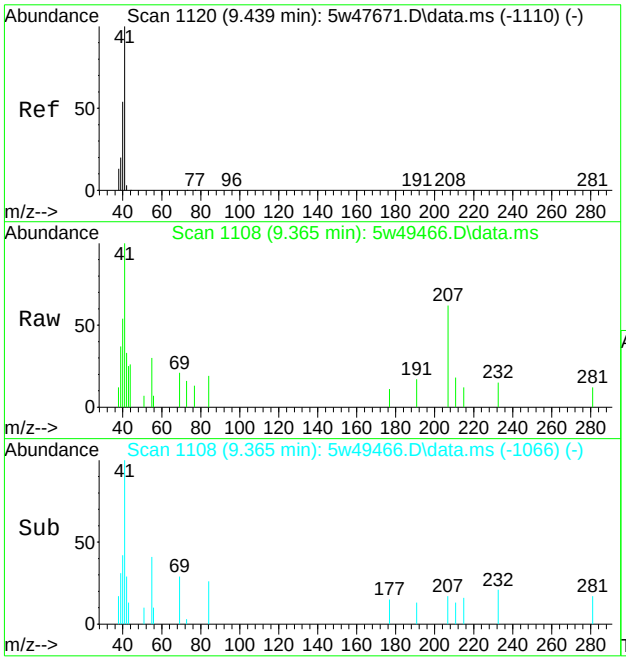


#12
n-Butane
Concen: 5.98 ppb(v)
RT: 4.863 min Scan# 372
Delta R.T. -0.024 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 58 Resp: 24744

Ion	Ratio	Lower	Upper
58	100		
43	847.7	653.7	1213.9
44	31.6	23.2	43.0

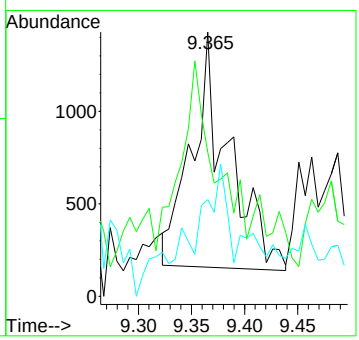


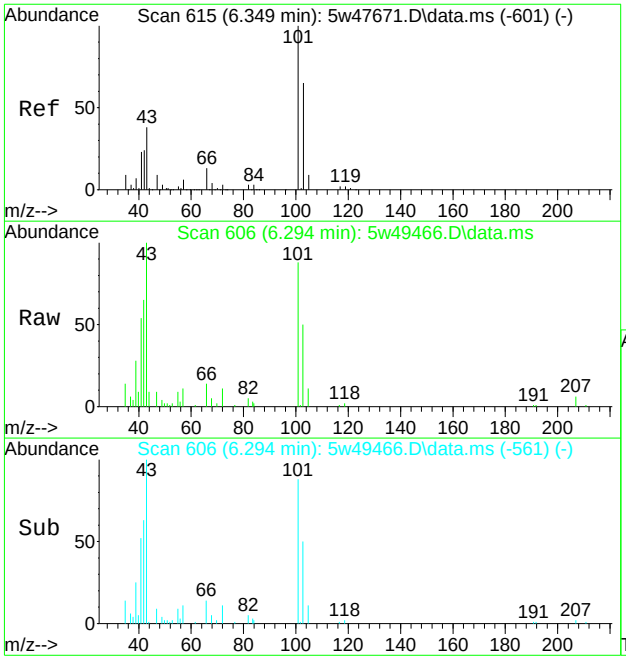


#16
Acetonitrile
Concen: 0.13 ppb(v)
RT: 9.365 min Scan# 1108
Delta R.T. -0.073 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 41 Resp: 3069

Ion	Ratio	Lower	Upper
41	100		
40	54.5	38.1	70.9
39	36.6	14.1	26.3#

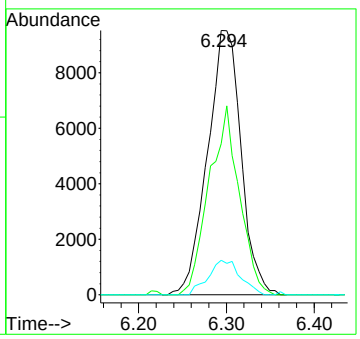


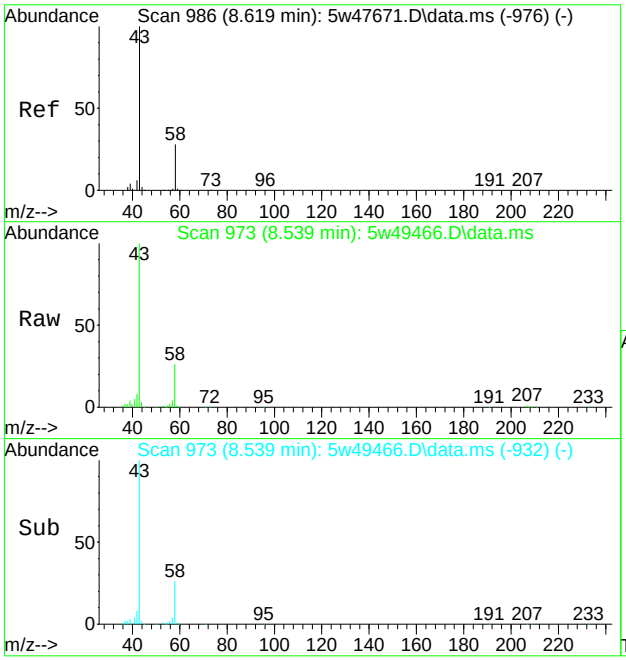


#21
Trichlorofluoromethane
Concen: 0.29 ppb(v)
RT: 6.294 min Scan# 606
Delta R.T. -0.055 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion:101 Resp: 25338

Ion	Ratio	Lower	Upper
101	100		
103	57.1	45.6	84.8
105	13.0	7.4	13.8

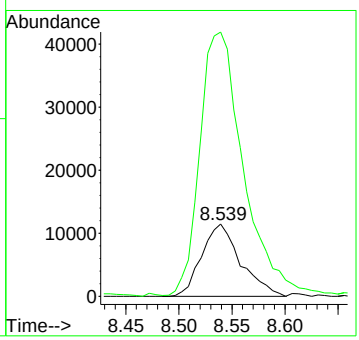


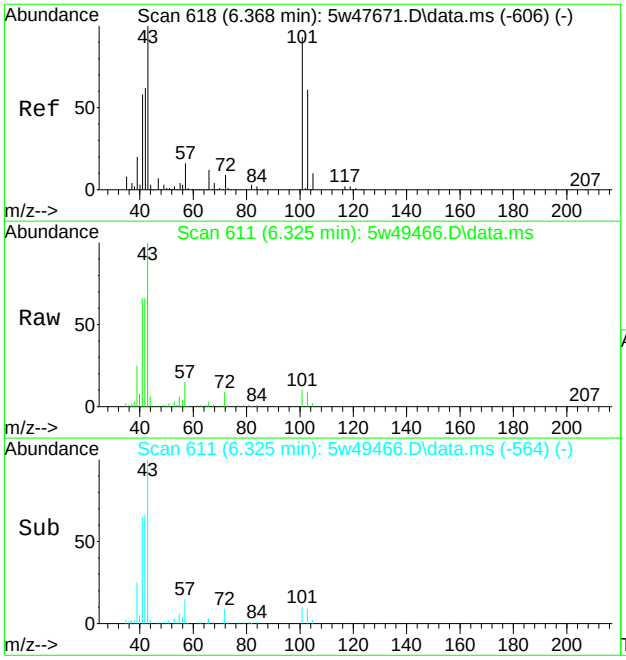


#22
Acetone
Concen: 2.52 ppb(v)
RT: 8.539 min Scan# 973
Delta R.T. -0.079 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 58 Resp: 29286

Ion	Ratio	Lower	Upper
58	100		
43	365.3	253.0	469.8

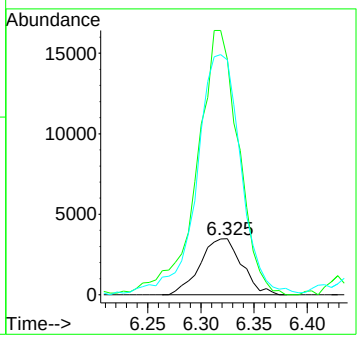


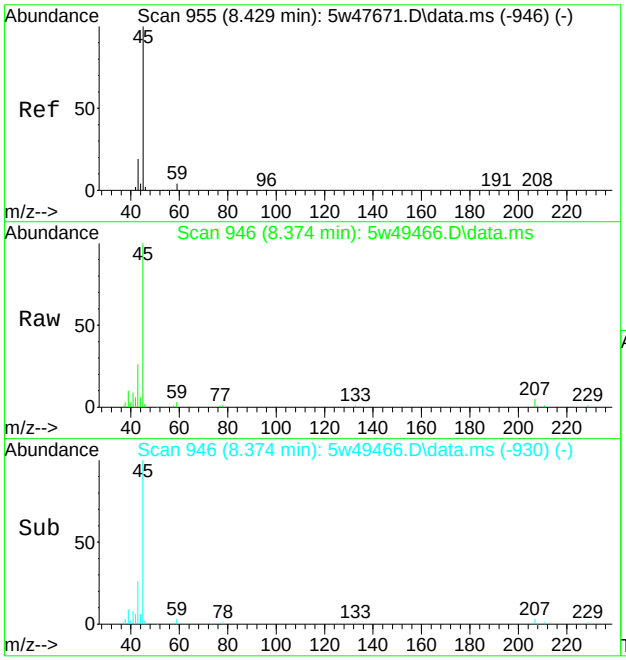


#23
Pentane
Concen: 1.26 ppb(v)
RT: 6.325 min Scan# 611
Delta R.T. -0.043 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 57 Resp: 9504

Ion	Ratio	Lower	Upper
57	100		
42	420.4	277.7	515.7
41	419.2	257.1	477.5

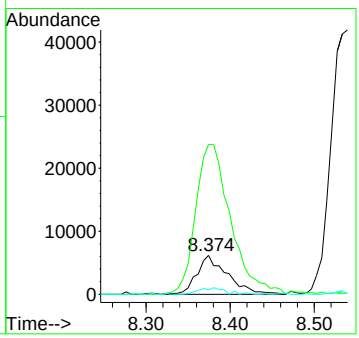


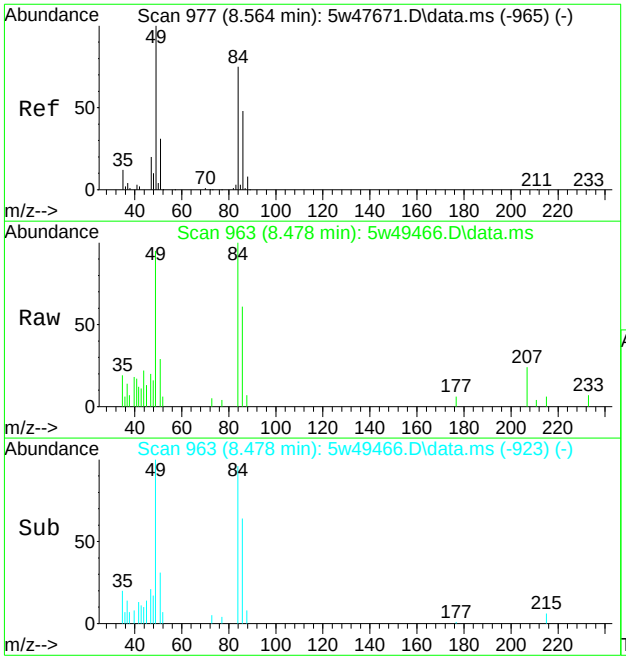


#25
Isopropyl Alcohol
Concen: 1.58 ppb(v)
RT: 8.374 min Scan# 946
Delta R.T. -0.055 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 43 Resp: 15709

Ion	Ratio	Lower	Upper
43	100		
45	392.0	367.4	682.2
59	11.9	13.7	25.5#

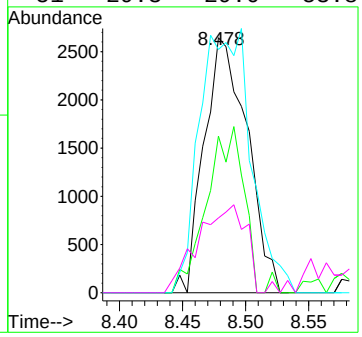


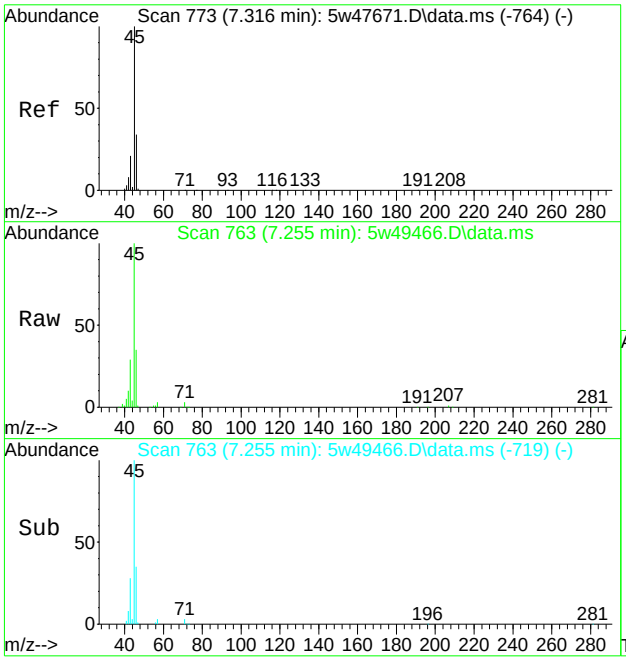


#28
Methylene Chloride
Concen: 0.23 ppb(v)
RT: 8.478 min Scan# 963
Delta R.T. -0.086 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 84 Resp: 6294

Ion	Ratio	Lower	Upper
84	100		
86	61.5	44.8	83.2
49	95.4	93.5	173.7
51	29.3	29.0	53.8

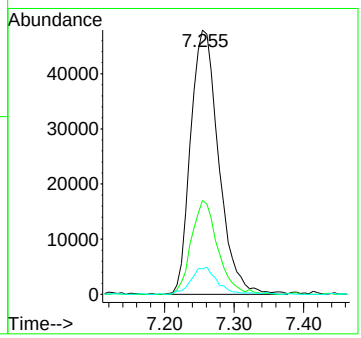


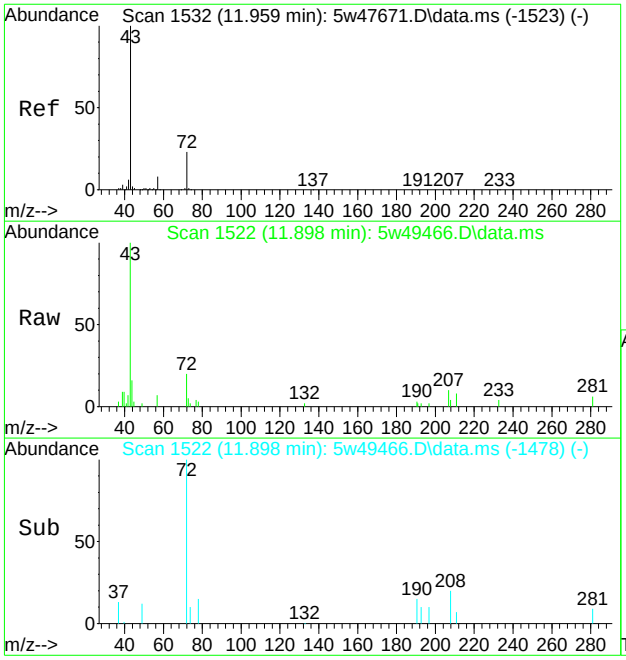


#30
Ethanol
Concen: 12.30 ppb(v)
RT: 7.255 min Scan# 763
Delta R.T. -0.061 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 45 Resp: 134658

Ion	Ratio	Lower	Upper
45	100		
46	36.6	23.9	44.5
42	9.6	5.9	11.1

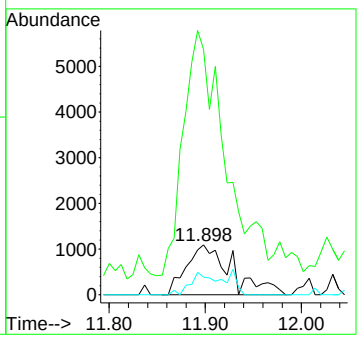


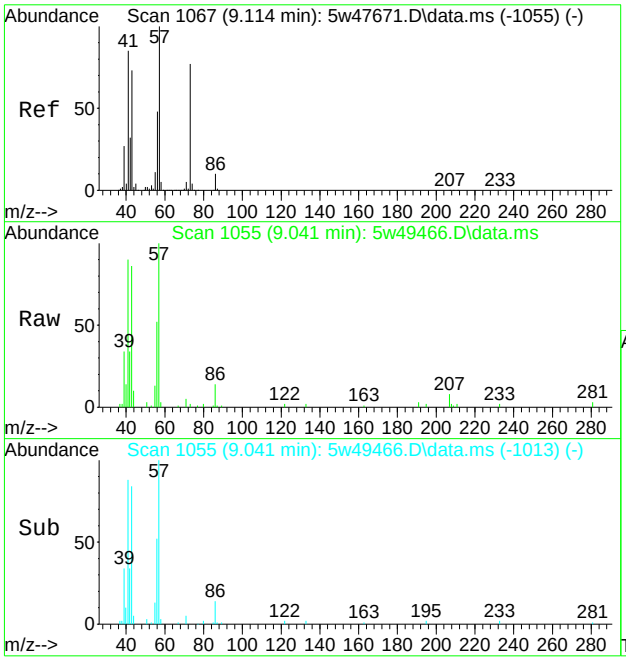


#38
2-Butanone
Concen: 0.30 ppb(v)
RT: 11.898 min Scan# 1522
Delta R.T. -0.061 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 72 Resp: 3603

Ion	Ratio	Lower	Upper
72	100		
43	387.9	305.1	566.7
57	28.1	23.1	42.9

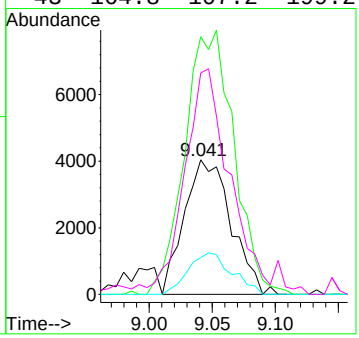


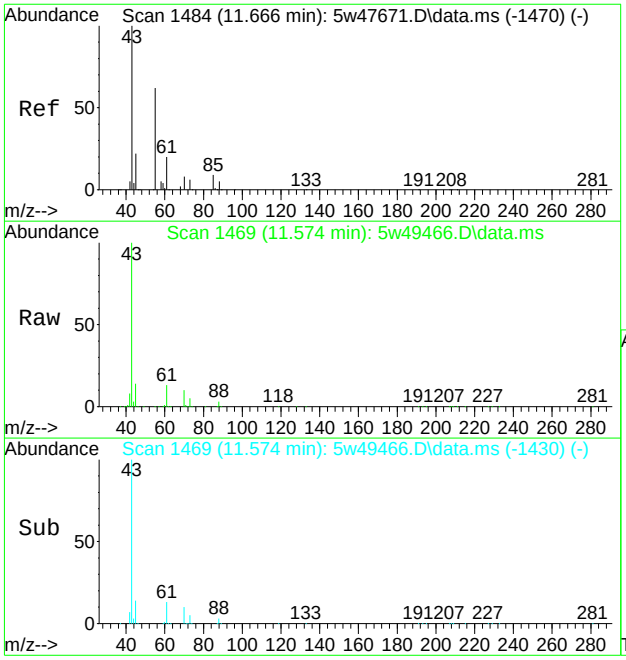


#39
Hexane
Concen: 0.40 ppb(v)
RT: 9.041 min Scan# 1055
Delta R.T. -0.073 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 56 Resp: 10428

Ion	Ratio	Lower	Upper
56	100		
57	191.7	147.0	273.0
86	27.4	15.3	28.3
43	164.8	107.2	199.2

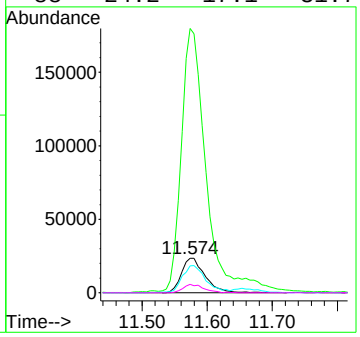


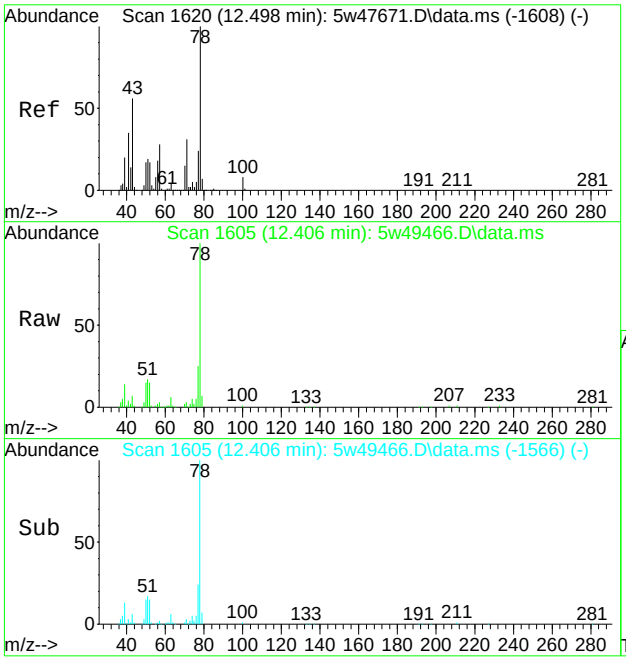


#42
Ethyl Acetate
Concen: 6.90 ppb(v)
RT: 11.574 min Scan# 1469
Delta R.T. -0.092 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 61 Resp: 59478

Ion	Ratio	Lower	Upper
61	100		
43	753.6	509.8	946.8
70	77.0	55.2	102.6
88	24.2	17.1	31.7

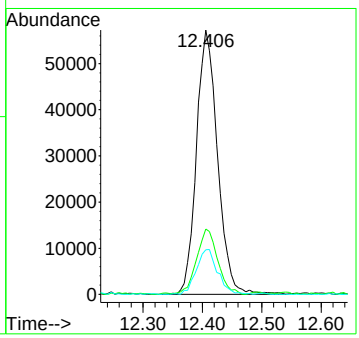


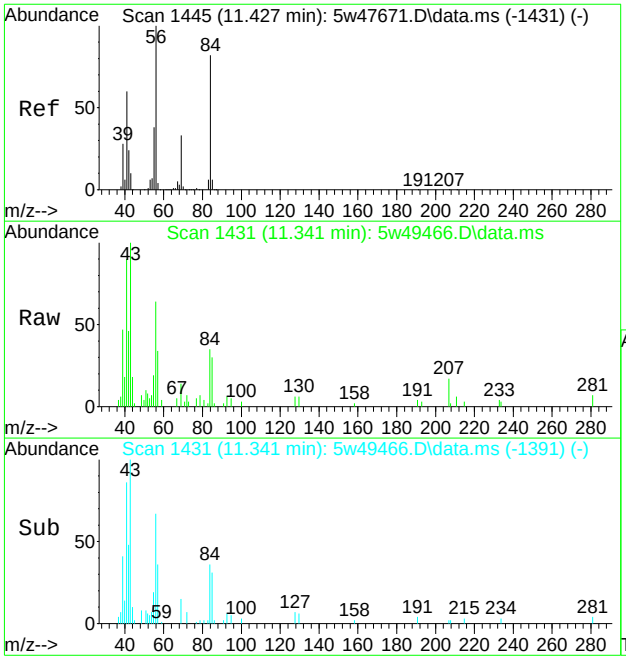


#49
Benzene
Concen: 1.49 ppb(v)
RT: 12.406 min Scan# 1605
Delta R.T. -0.092 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 78 Resp: 141179

Ion	Ratio	Lower	Upper
78	100		
77	24.7	16.9	31.5
51	16.8	13.2	24.4

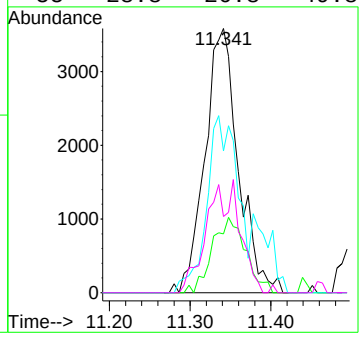


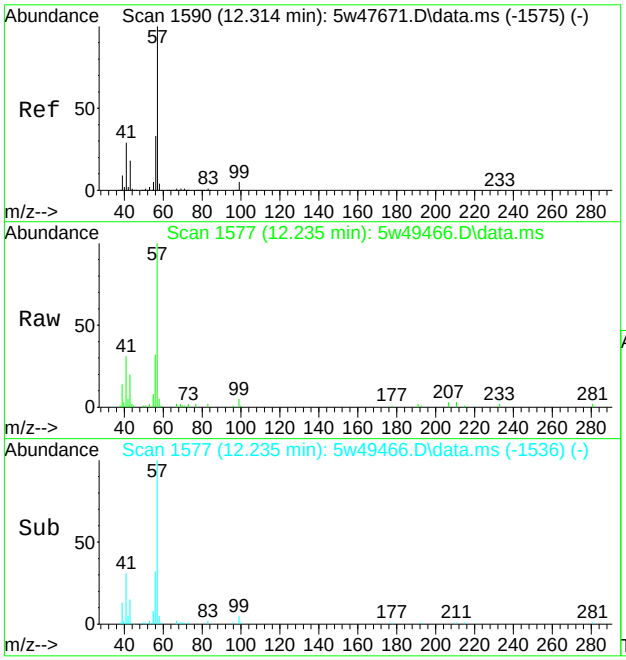


#51
Cyclohexane
Concen: 0.22 ppb(v)
RT: 11.341 min Scan# 1431
Delta R.T. -0.086 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 56 Resp: 10329

Ion	Ratio	Lower	Upper
56	100		
69	22.3	22.7	42.3#
84	53.7	57.4	106.6#
55	28.8	26.8	49.8

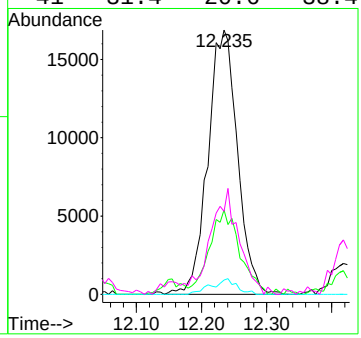


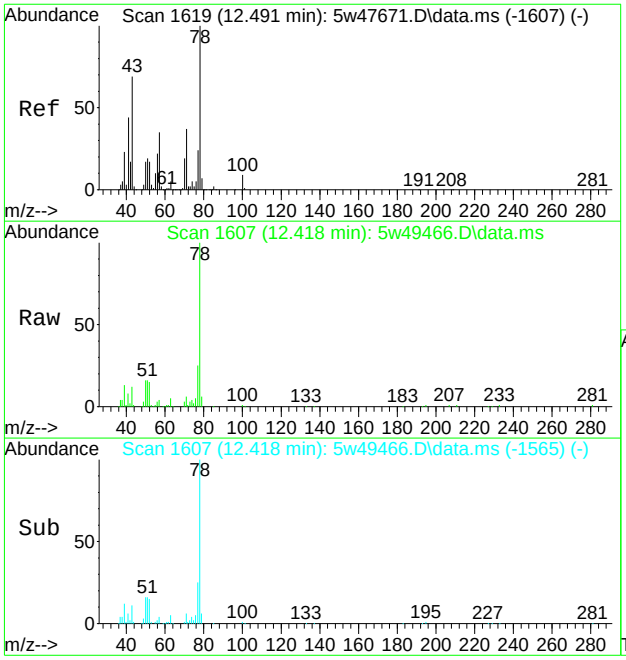


#54
2,2,4-Trimethylpentane
Concen: 0.40 ppb(v)
RT: 12.235 min Scan# 1577
Delta R.T. -0.079 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 57 Resp: 53268

Ion	Ratio	Lower	Upper
57	100		
56	31.9	23.2	43.0
99	5.4	3.2	6.0
41	31.4	20.6	38.4

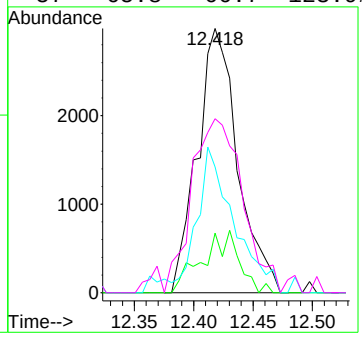


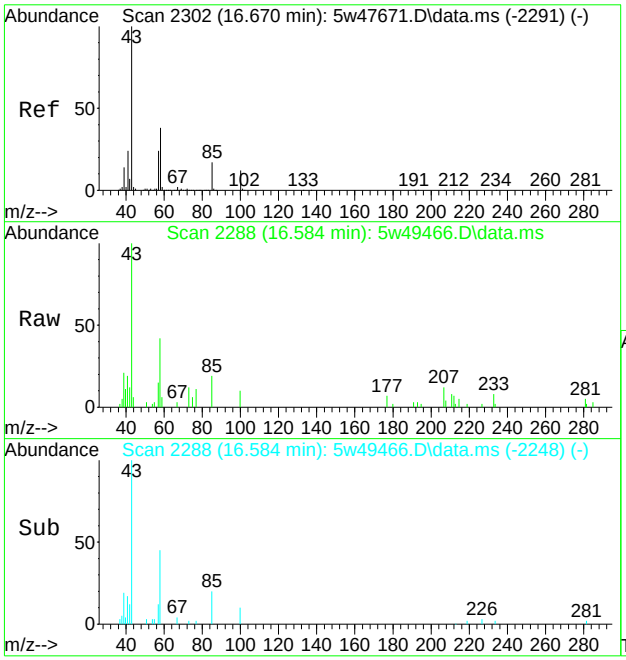


#55
Heptane
Concen: 0.27 ppb(v)
RT: 12.418 min Scan# 1607
Delta R.T. -0.073 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 71 Resp: 7073

Ion	Ratio	Lower	Upper
71	100		
100	22.5	16.7	31.1
70	47.6	35.4	65.8
57	65.8	66.7	123.9#

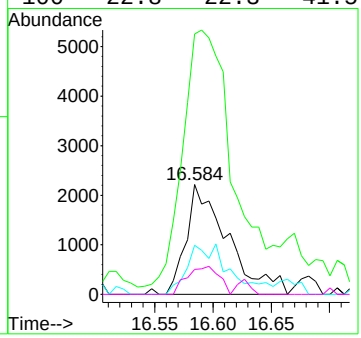


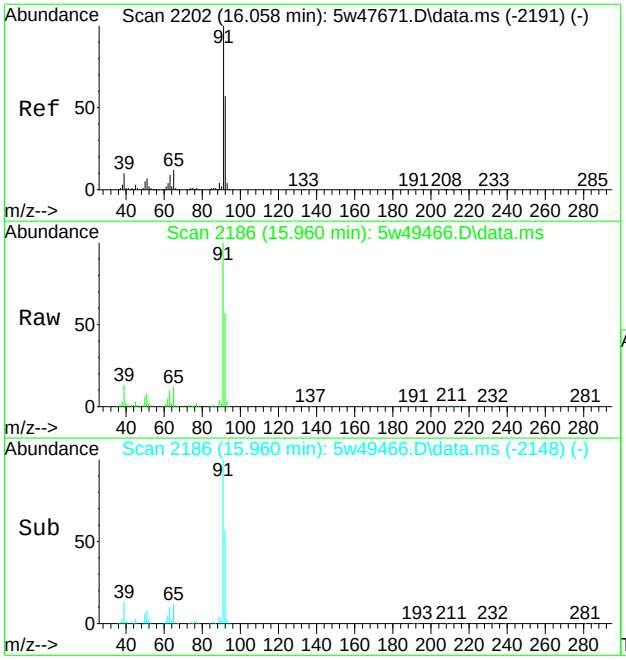


#64
4-Methyl-2-pentanone
Concen: 0.22 ppb(v) m
RT: 16.584 min Scan# 2288
Delta R.T. -0.086 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 58 Resp: 5461

Ion	Ratio	Lower	Upper
58	100		
43	236.8	183.3	340.3
85	44.7	31.4	58.2
100	22.8	22.3	41.5

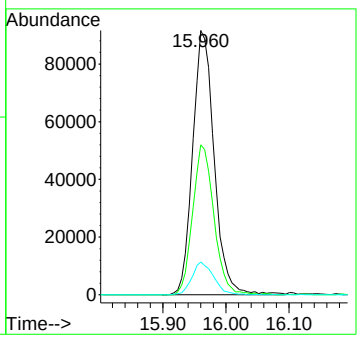


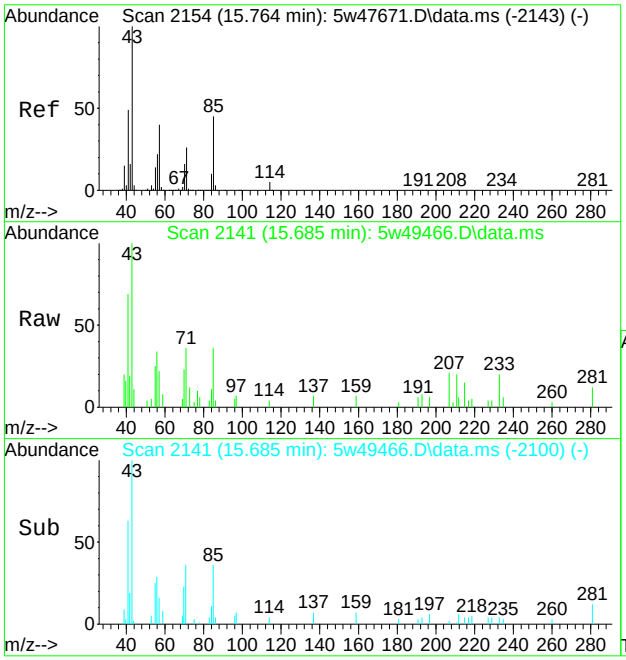


#66
Toluene
Concen: 2.08 ppb(v)
RT: 15.960 min Scan# 2186
Delta R.T. -0.098 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 91 Resp: 217109

Ion	Ratio	Lower	Upper
91	100		
92	56.7	39.8	74.0
65	12.4	8.6	16.0

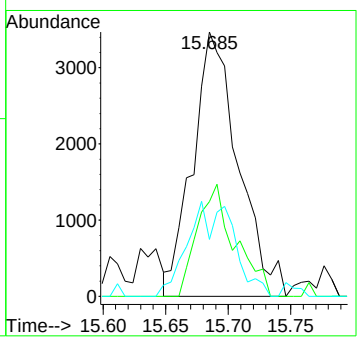


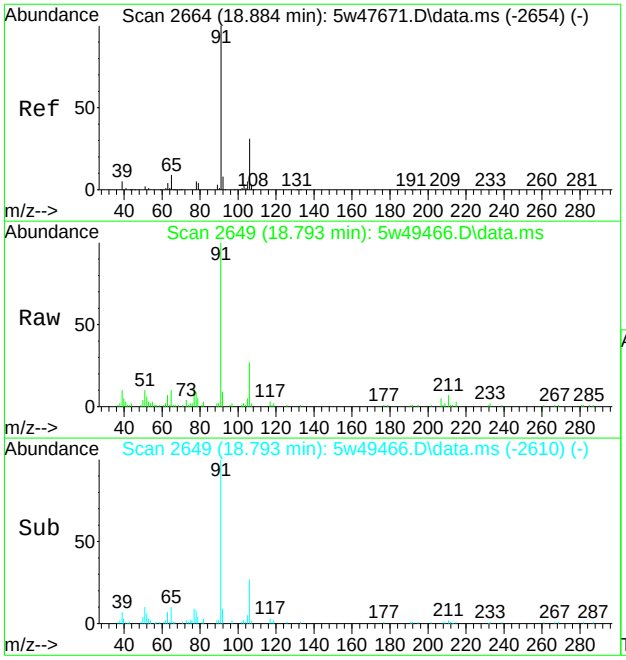


#74
Octane
Concen: 0.14 ppb(v) m
RT: 15.685 min Scan# 2141
Delta R.T. -0.079 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 43 Resp: 8783

Ion	Ratio	Lower	Upper
43	100		
85	35.8	31.1	57.9
57	21.6	27.8	51.6#

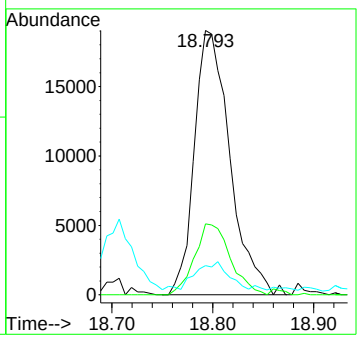


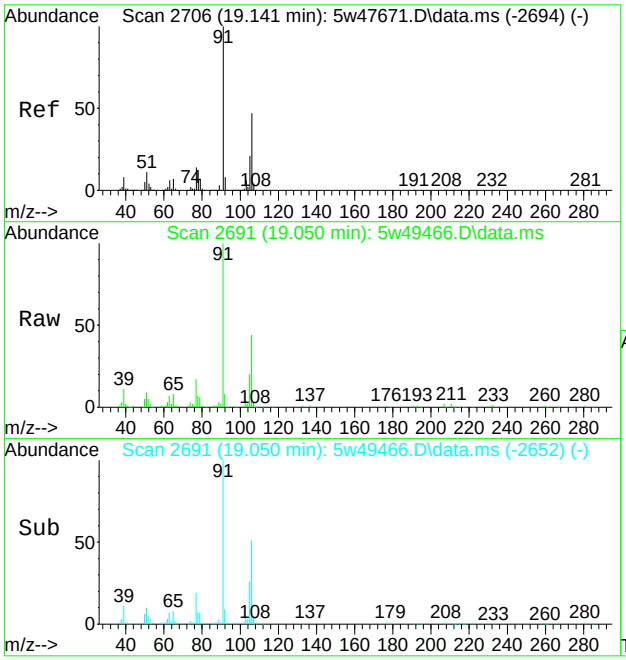


#78
Ethylbenzene
Concen: 0.36 ppb(v)
RT: 18.793 min Scan# 2649
Delta R.T. -0.092 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 91 Resp: 46704

Ion	Ratio	Lower	Upper
91	100		
106	24.6	21.4	39.8
77	10.1	6.6	12.2

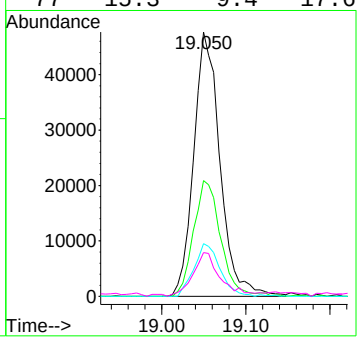


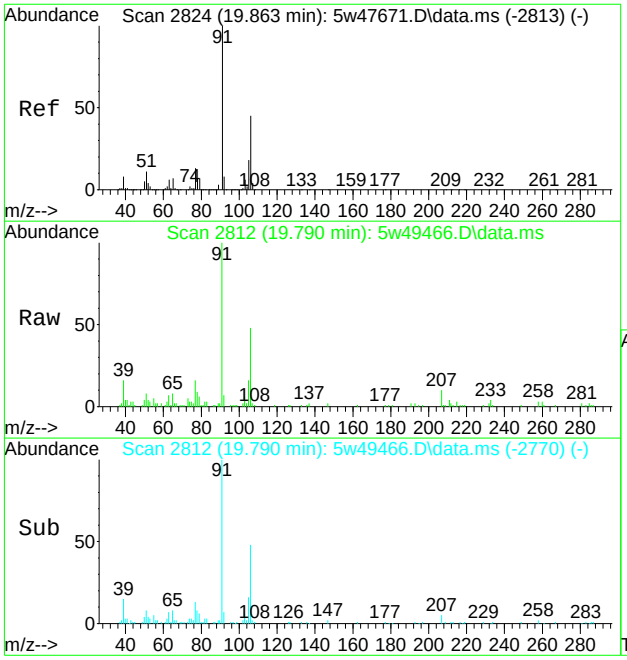


#79
m,p-Xylene
Concen: 1.06 ppb(v)
RT: 19.050 min Scan# 2691
Delta R.T. -0.092 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 91 Resp: 103437

Ion	Ratio	Lower	Upper
91	100		
106	40.6	32.6	60.5
105	18.5	14.5	26.9
77	15.3	9.4	17.6

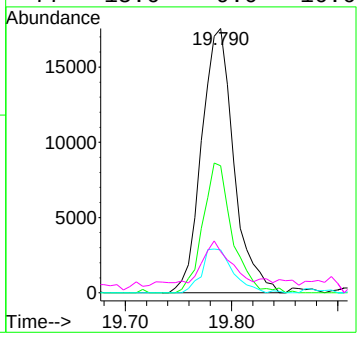


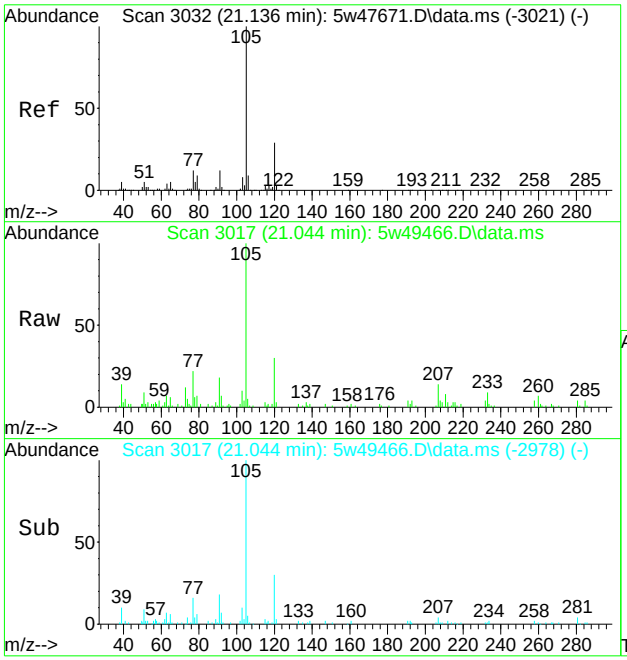


#82
o-Xylene
Concen: 0.36 ppb(v)
RT: 19.790 min Scan# 2812
Delta R.T. -0.073 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion: 91 Resp: 37025

Ion	Ratio	Lower	Upper
91	100		
106	50.3	31.6	58.6
105	16.2	12.4	23.0
77	15.6	9.0	16.6

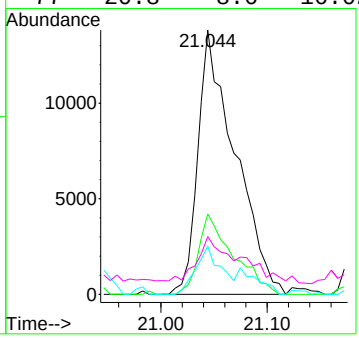


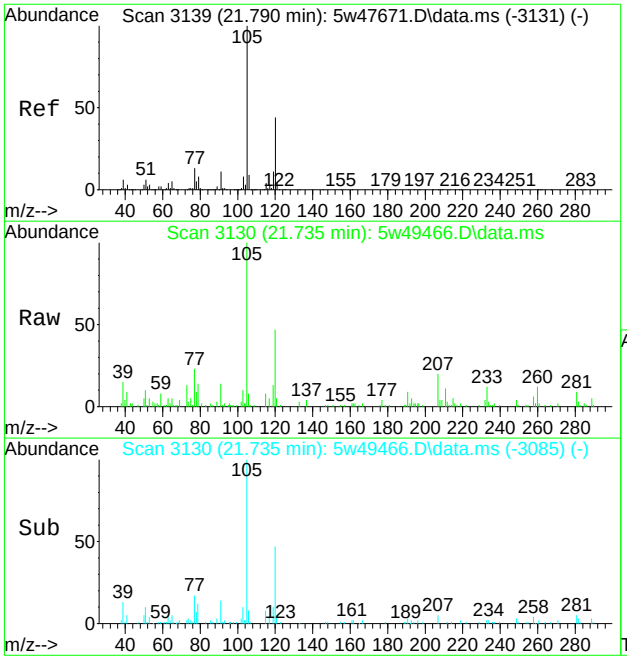


#91
4-Ethyltoluene
Concen: 0.27 ppb(v)
RT: 21.044 min Scan# 3017
Delta R.T. -0.092 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion:105 Resp: 33495

Ion	Ratio	Lower	Upper
105	100		
120	29.1	20.5	38.1
91	17.4	8.2	15.2#
77	20.8	8.6	16.0#

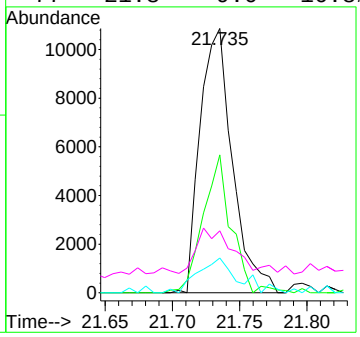




#95
1,2,4-Trimethylbenzene
Concen: 0.18 ppb(v)
RT: 21.735 min Scan# 3130
Delta R.T. -0.055 min
Lab File: 5w49466.D
Acq: 23 Apr 2022 7:23 pm

Tgt Ion:105 Resp: 18180

Ion	Ratio	Lower	Upper
105	100		
120	48.3	30.7	57.1
119	12.2	8.0	14.8
77	21.8	9.0	16.8#



Manual Integration Approval Summary

Sample Number: JD41994-2
Lab FileID: 5W49466.D
Injection Time: 04/23/22 19:23

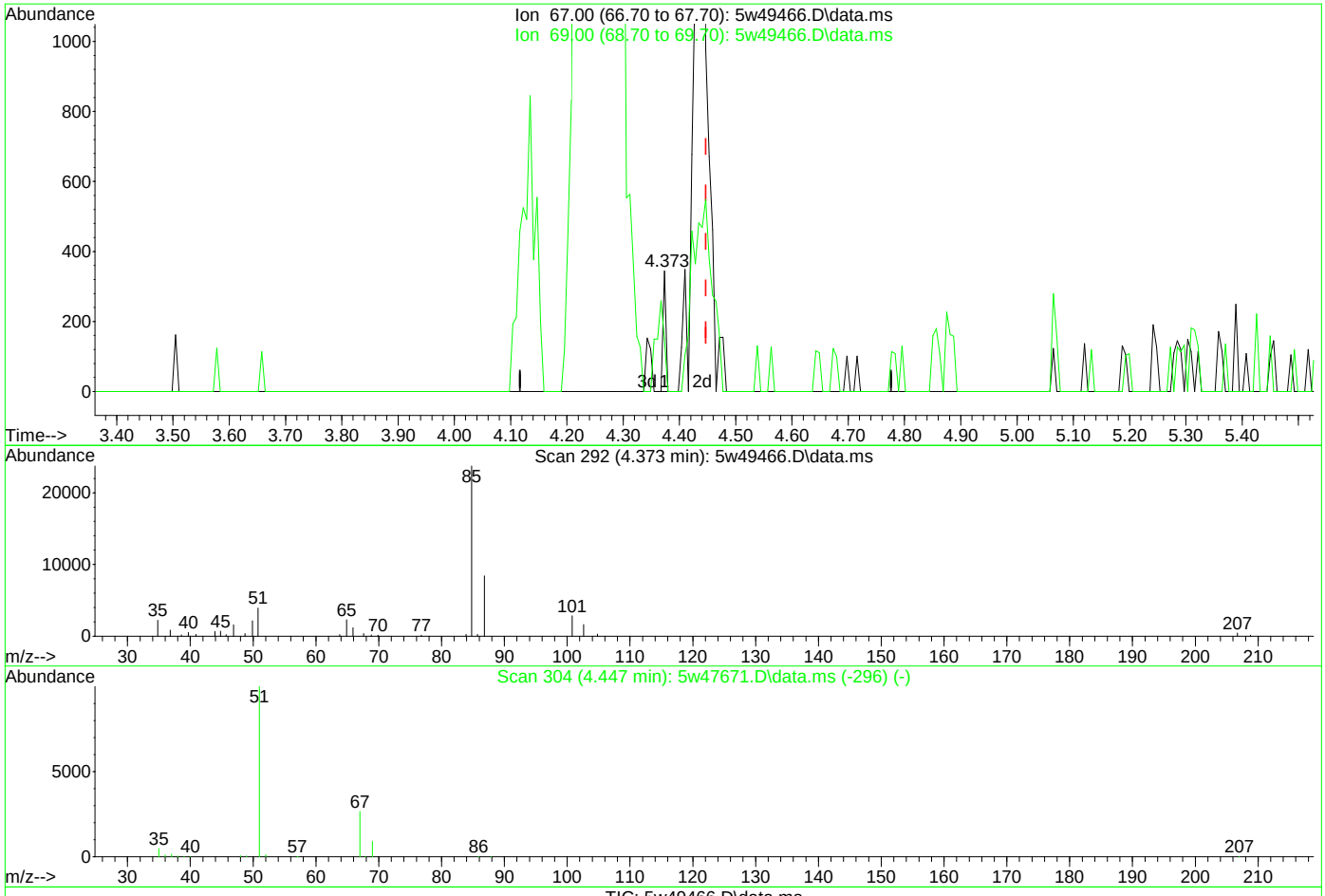
Method: TO-15
Analyst approved: 04/25/22 11:25 Thomas Hilbig
Supervisor approved: 04/26/22 12:09 Kanya Veerawat

Parameter	CAS	Sig#	R.T. (min.)	Reason
Chlorodifluoromethane	75-45-6		4.44	Missed peak
Octane	111-65-9		15.68	Missed peak
Methyl Isobutyl Ketone	108-10-1		16.58	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49466.D
Acq On : 23 Apr 2022 7:23 pm
Operator : thomash
Sample : jd41994-2
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 25 09:26:58 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration



TIC: 5w49466.D\data.ms

(3) Chlorodifluoromethane

4.373min (-0.073) 0.01ppb(v)

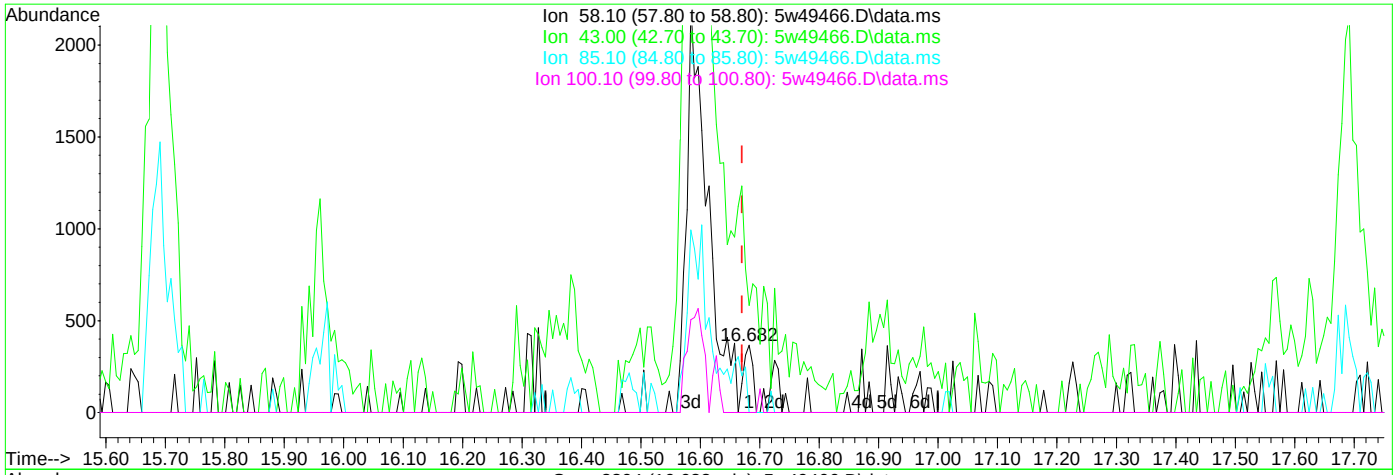
response 126

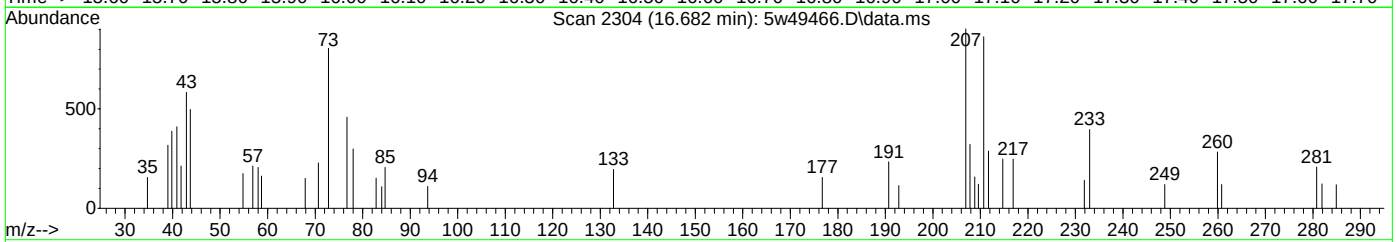
Ion	Exp%	Act%
67.00	100	100
69.00	33.60	43.60
0.00	0.00	0.00
0.00	0.00	0.00

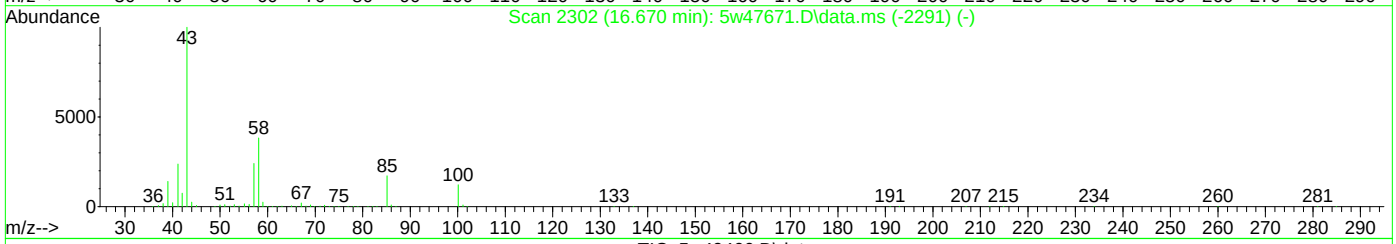
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49466.D
Acq On : 23 Apr 2022 7:23 pm
Operator : thomash
Sample : jd41994-2
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 25 09:26:58 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration







TIC: 5w49466.D\data.ms

(64) 4-Methyl-2-pentanone

16.682min (+0.012) 0.02ppb(v)

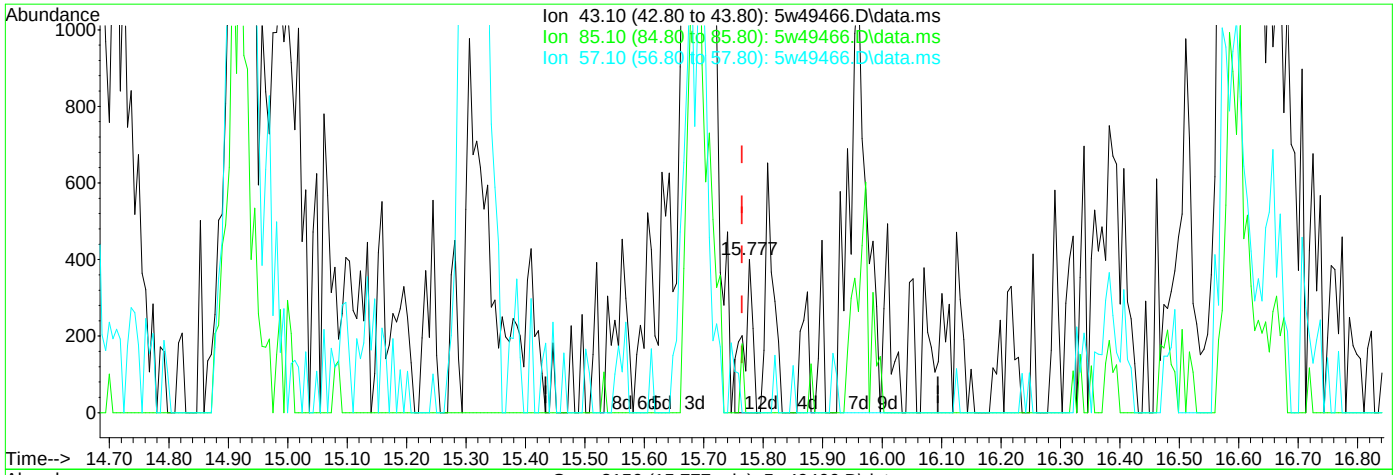
response 401

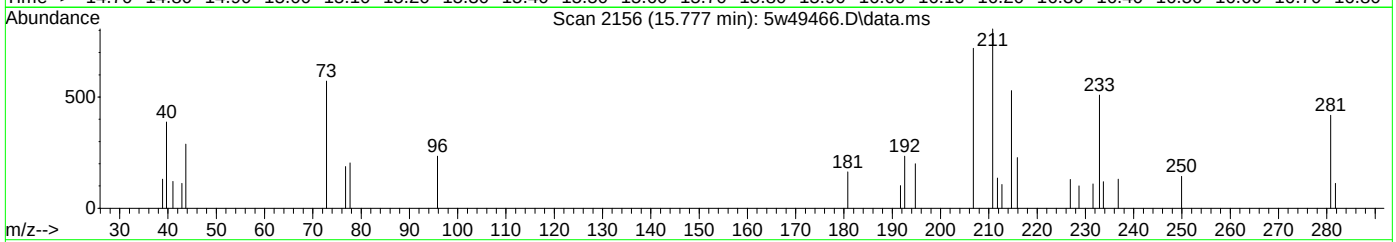
Ion	Exp%	Act%
58.10	100	100
43.00	261.80	294.28
85.10	44.80	0.00#
100.10	31.90	0.00#

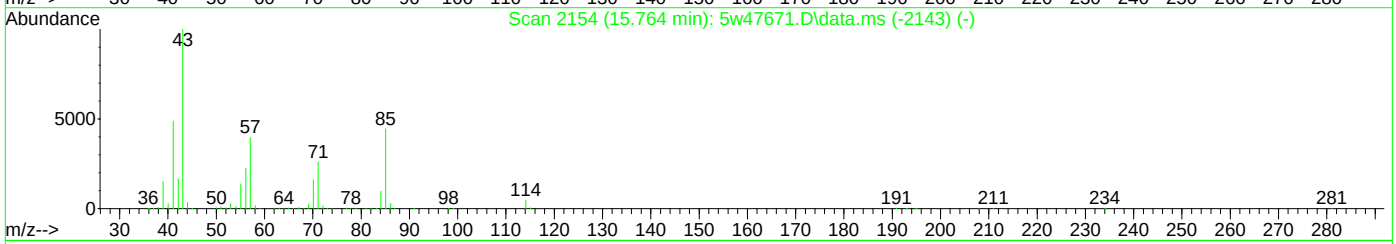
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49466.D
Acq On : 23 Apr 2022 7:23 pm
Operator : thomash
Sample : jd41994-2
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 25 09:26:58 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration







TIC: 5w49466.D\data.ms

(74) Octane

15.777min (+0.013) 0.01ppb(v)

response 409

Ion	Exp%	Act%
43.10	100	100
85.10	44.50	0.00#
57.10	39.70	0.00#
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 12:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49473.D
Acq On : 24 Apr 2022 1:31 am
Operator : thomash
Sample : jd41994-3
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 25 10:27:52 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

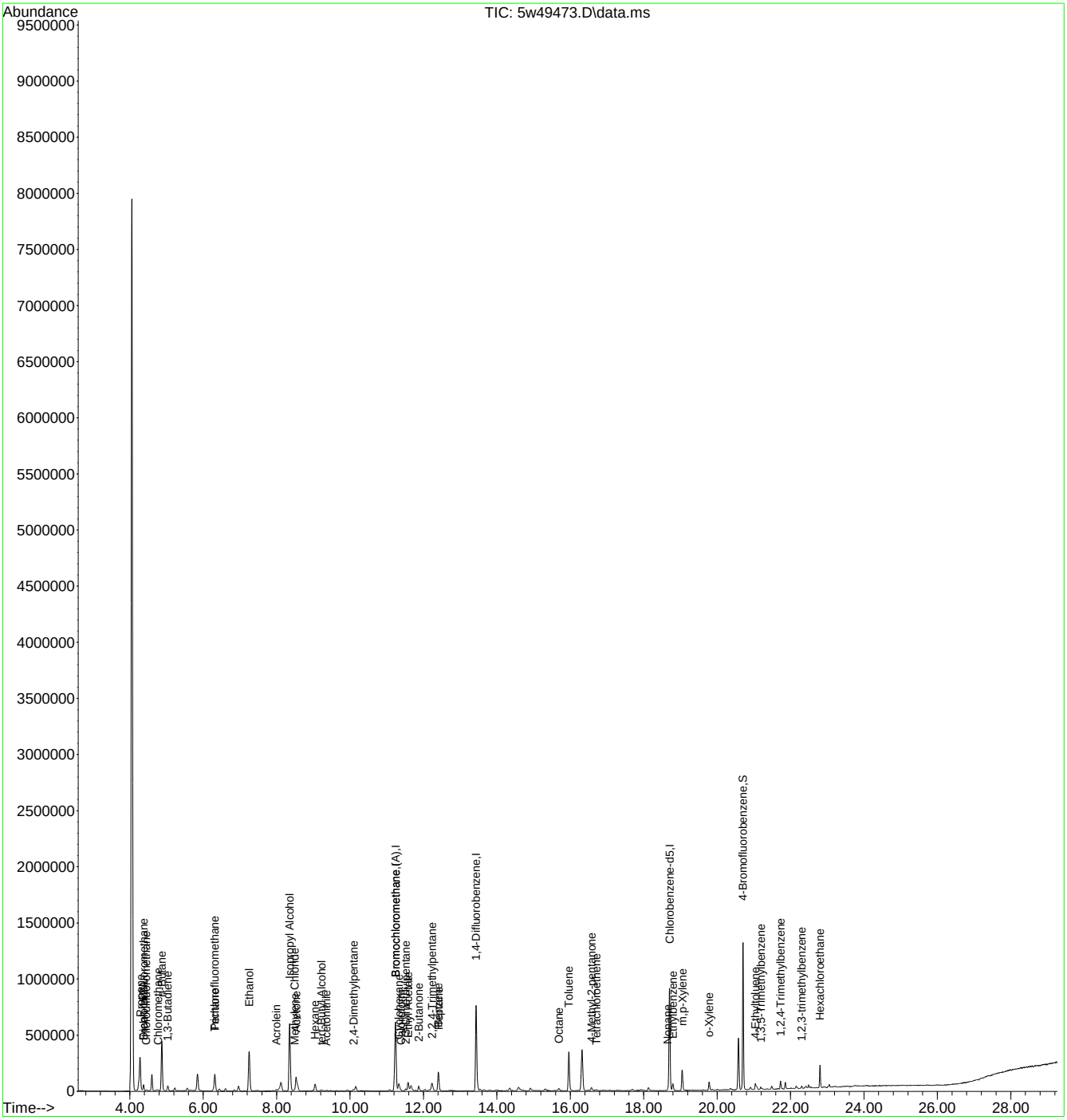
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.243	130	192838	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.434	114	692235	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	343070	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.243	130	192838	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	370849	8.55	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 85.50%			
Target Compounds						Qvalue
2) Freon 152A	4.373	65	8695	0.68	ppb(v#	82
3) Chlorodifluoromethane	4.441	67	2886	0.42	ppb(v#	26
4) Propene	4.288	41	114783	7.18	ppb(v	95
6) Dichlorodifluoromethane	4.379	85	40125	0.53	ppb(v	95
8) Chloromethane	4.771	50	13417	0.66	ppb(v	91
11) 1,3-Butadiene	5.034	54	7478	0.51	ppb(v#	14
12) n-Butane	4.875	58	36327	12.17	ppb(v	90
16) Acetonitrile	9.353	41	6180	0.37	ppb(v	88
20) Acrolein	7.989	56	3283	0.38	ppb(v#	69
21) Trichlorofluoromethane	6.313	101	16739	0.27	ppb(v#	97
22) Acetone	8.533	58	51611	6.15	ppb(v	67
23) Pentane	6.325	57	15739	2.89	ppb(v	93
25) Isopropyl Alcohol	8.356	43	217084	30.20	ppb(v	75
28) Methylene Chloride	8.490	84	4321	0.22	ppb(v	89
30) Ethanol	7.255	45	528259	66.88	ppb(v	100
34) tert-Butyl Alcohol	9.218	59	15766	0.33	ppb(v#	72
38) 2-Butanone	11.874	72	15140	1.73	ppb(v	89
39) Hexane	9.047	56	21069	1.13	ppb(v	95
42) Ethyl Acetate	11.580	61	15531	2.50	ppb(v#	85
44) Chloroform	11.390	83	5686	0.10	ppb(v#	80
45) 2,4-Dimethylpentane	10.099	57	8829	0.22	ppb(v#	86
49) Benzene	12.406	78	145466	2.13	ppb(v	98
51) Cyclohexane	11.335	56	18791	0.56	ppb(v#	77
52) 2,3-Dimethylpentane	11.519	71	4213	0.28	ppb(v	68
54) 2,2,4-Trimethylpentane	12.234	57	85689	0.85	ppb(v#	84
55) Heptane	12.418	71	10628	0.53	ppb(v#	80
64) 4-Methyl-2-pentanone	16.578	58	10316m	0.54	ppb(v	
66) Toluene	15.960	91	300252	3.81	ppb(v	99
72) Tetrachloroethene	16.707	166	2412	0.06	ppb(v	81
74) Octane	15.685	43	14489	0.30	ppb(v	83
78) Ethylbenzene	18.799	91	55395	0.54	ppb(v	93
79) m,p-Xylene	19.056	91	133692	1.75	ppb(v	97
81) Nonane	18.652	43	10568	0.20	ppb(v#	97
82) o-Xylene	19.784	91	49850	0.61	ppb(v#	93
91) 4-Ethyltoluene	21.044	105	44177	0.46	ppb(v#	94
92) 1,3,5-Trimethylbenzene	21.191	105	11723	0.15	ppb(v	95
95) 1,2,4-Trimethylbenzene	21.729	105	38298	0.48	ppb(v#	94
97) 1,2,3-trimethylbenzene	22.304	105	10625	0.14	ppb(v#	88
104) Hexachloroethane	22.806	201	31079	1.03	ppb(v	97

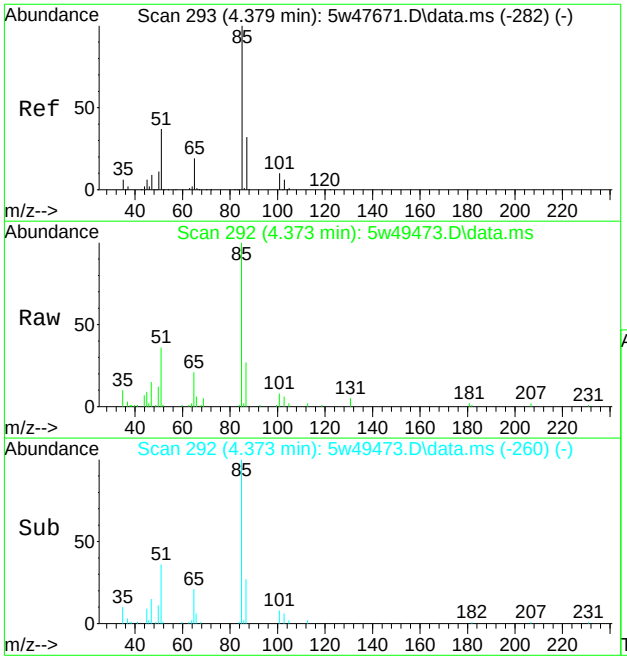
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49473.D
Acq On : 24 Apr 2022 1:31 am
Operator : thomash
Sample : jd41994-3
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 25 10:27:52 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

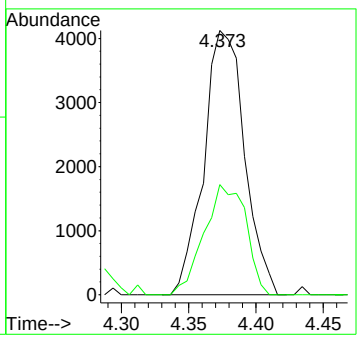


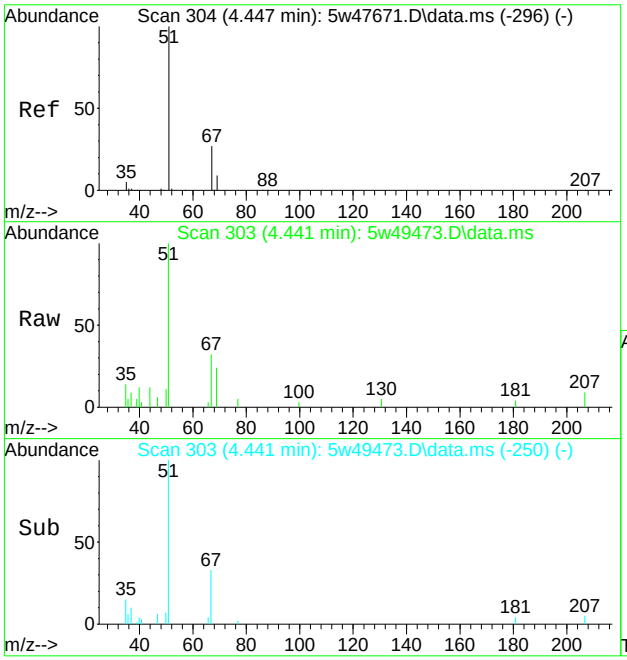


#2
Freon 152A
Concen: 0.68 ppb(v)
RT: 4.373 min Scan# 292
Delta R.T. -0.006 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 65 Resp: 8695

Ion	Ratio	Lower	Upper
65	100		
45	41.6	22.0	41.0#

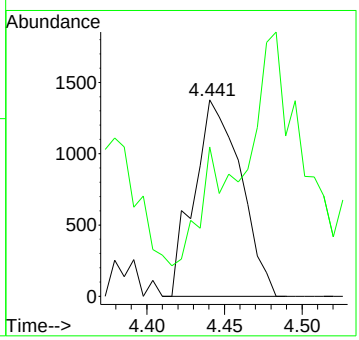


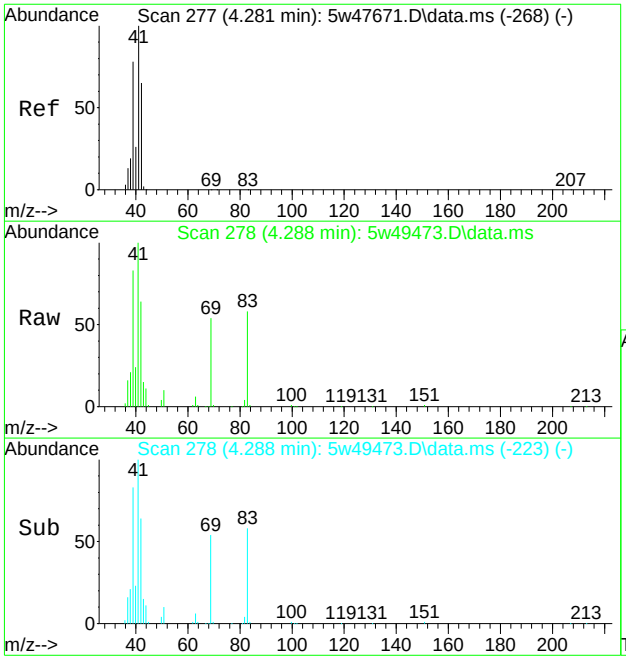


#3
Chlorodifluoromethane
Concen: 0.42 ppb(v)
RT: 4.441 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 67 Resp: 2886

Ion	Ratio	Lower	Upper
67	100		
69	76.0	23.5	43.7#

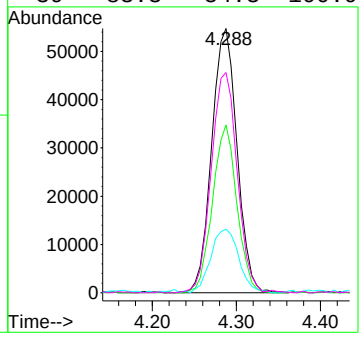


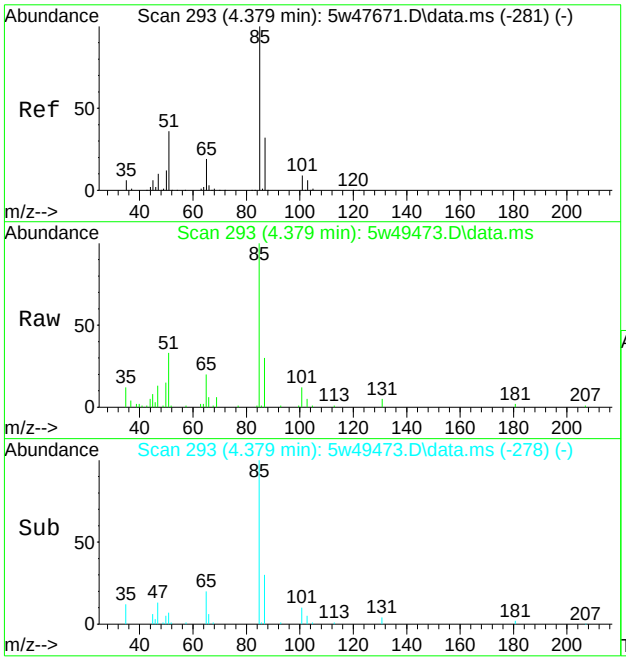


#4
Propene
Concen: 7.18 ppb(v)
RT: 4.288 min Scan# 278
Delta R.T. 0.006 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 41 Resp: 114783

Ion	Ratio	Lower	Upper
41	100		
42	63.5	45.6	84.8
40	24.1	18.4	34.2
39	83.3	54.3	100.9

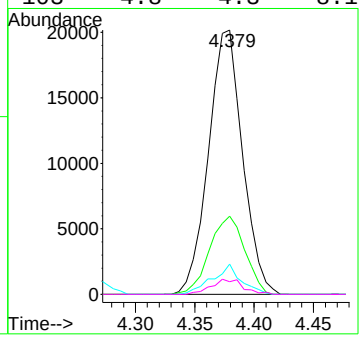


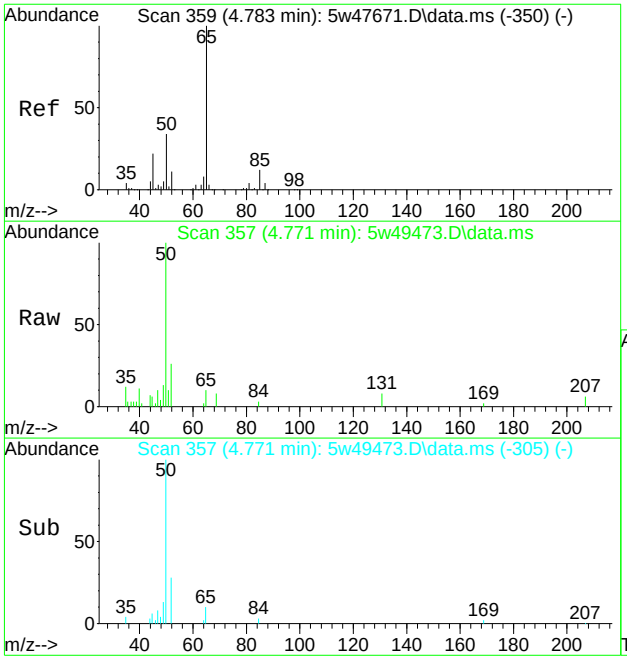


#6
Dichlorodifluoromethane
Concen: 0.53 ppb(v)
RT: 4.379 min Scan# 293
Delta R.T. 0.000 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 85 Resp: 40125

Ion	Ratio	Lower	Upper
85	100		
87	29.6	22.7	42.1
101	11.5	6.5	12.1
103	4.8	4.3	8.1

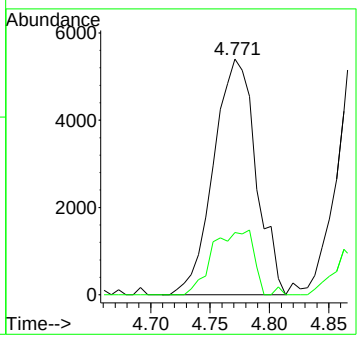


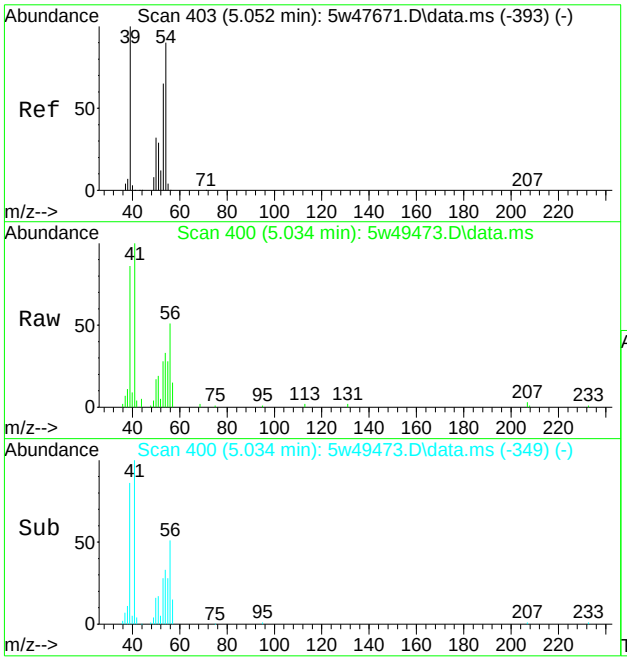


#8
Chloromethane
Concen: 0.66 ppb(v)
RT: 4.771 min Scan# 357
Delta R.T. -0.012 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 50 Resp: 13417

Ion	Ratio	Lower	Upper
50	100		
52	26.4	22.0	40.8

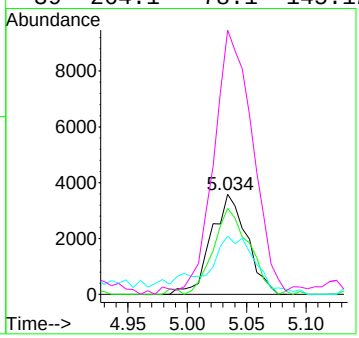


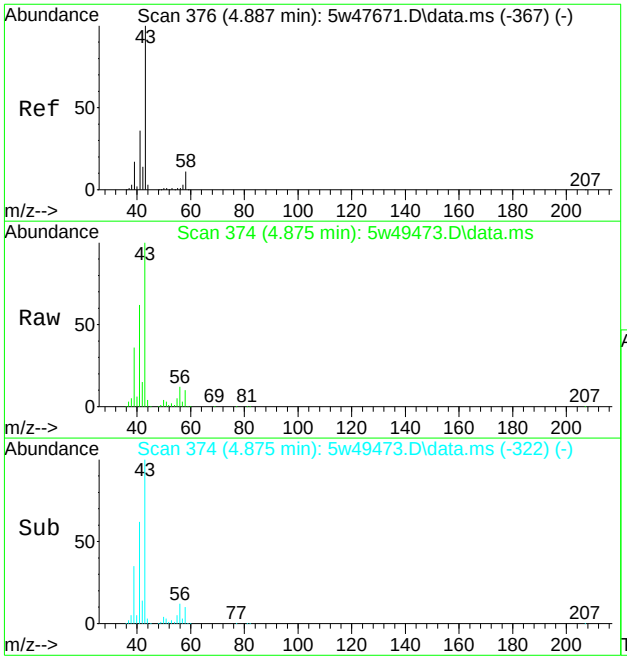


#11
1,3-Butadiene
Concen: 0.51 ppb(v)
RT: 5.034 min Scan# 400
Delta R.T. -0.018 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 54 Resp: 7478

Ion	Ratio	Lower	Upper
54	100		
53	86.0	50.6	94.0
51	58.2	22.3	41.5#
39	264.1	78.1	145.1#

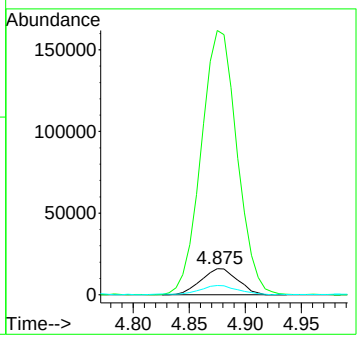


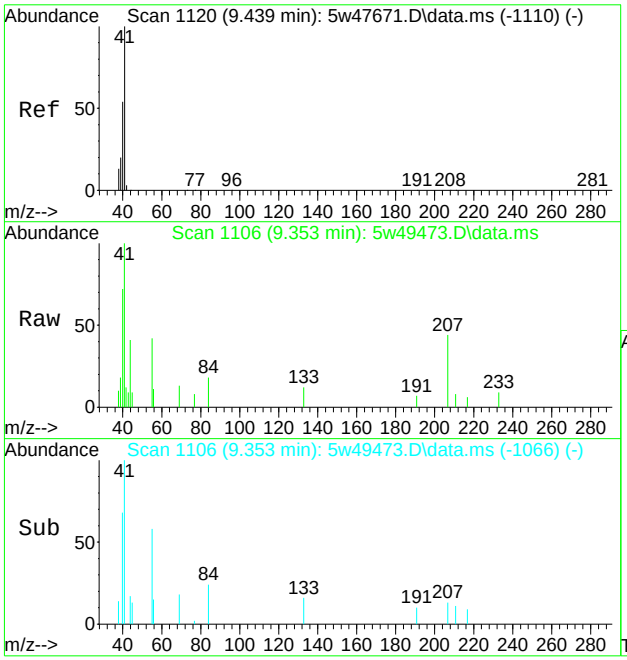


#12
n-Butane
Concen: 12.17 ppb(v)
RT: 4.875 min Scan# 374
Delta R.T. -0.012 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 58 Resp: 36327

Ion	Ratio	Lower	Upper
58	100		
43	979.0	653.7	1213.9
44	35.0	23.2	43.0

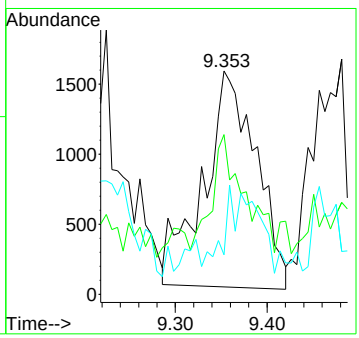


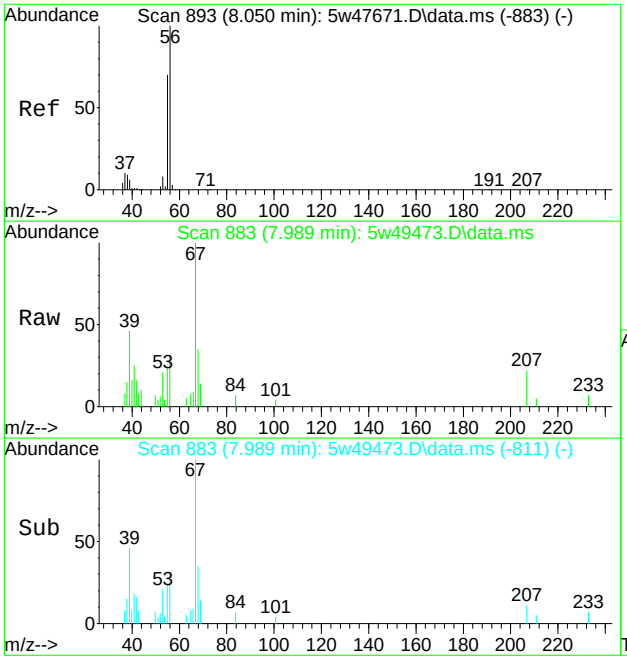


#16
Acetonitrile
Concen: 0.37 ppb(v)
RT: 9.353 min Scan# 1106
Delta R.T. -0.086 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 41 Resp: 6180

Ion	Ratio	Lower	Upper
41	100		
40	63.8	38.1	70.9
39	15.8	14.1	26.3

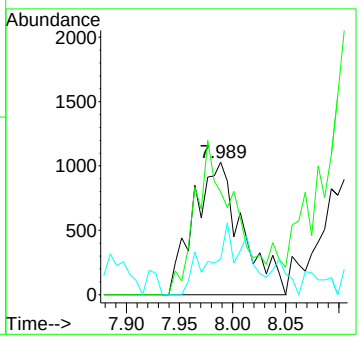


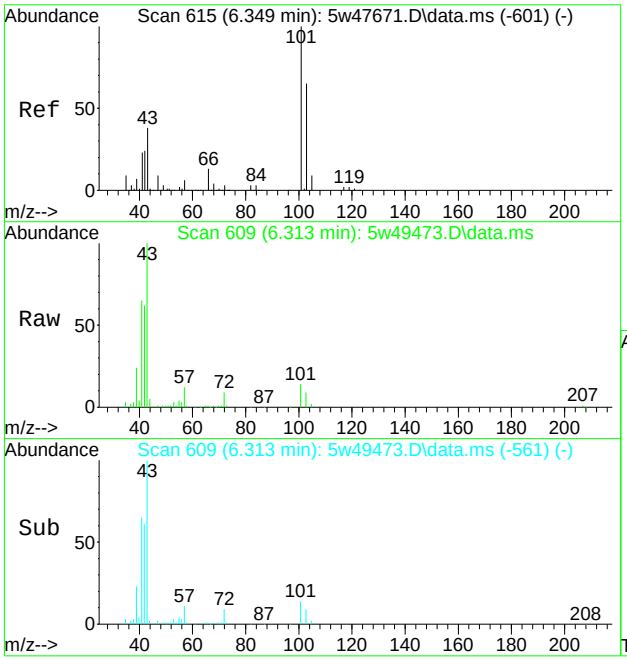


#20
Acrolein
Concen: 0.38 ppb(v)
RT: 7.989 min Scan# 883
Delta R.T. -0.061 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 56 Resp: 3283

Ion	Ratio	Lower	Upper
56	100		
55	103.0	59.9	89.9#
37	15.1	8.1	12.1#

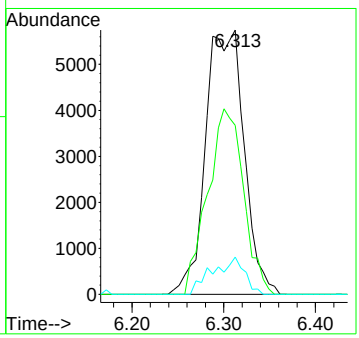


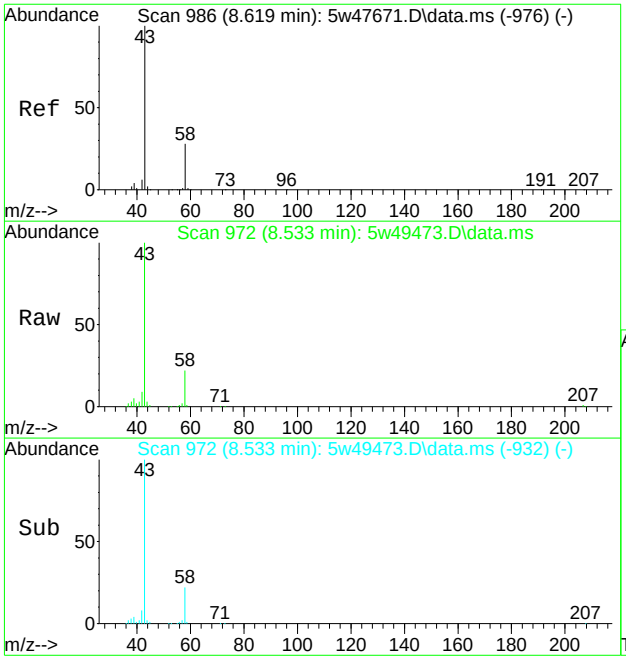


#21
Trichlorofluoromethane
Concen: 0.27 ppb(v)
RT: 6.313 min Scan# 609
Delta R.T. -0.037 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion:101 Resp: 16739

Ion	Ratio	Lower	Upper
101	100		
103	63.9	45.6	84.8
105	14.2	7.4	13.8#

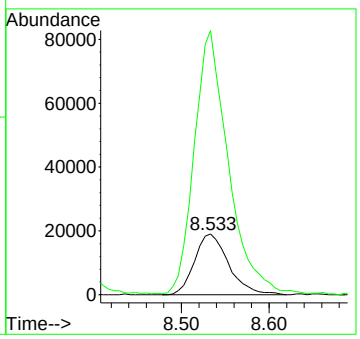


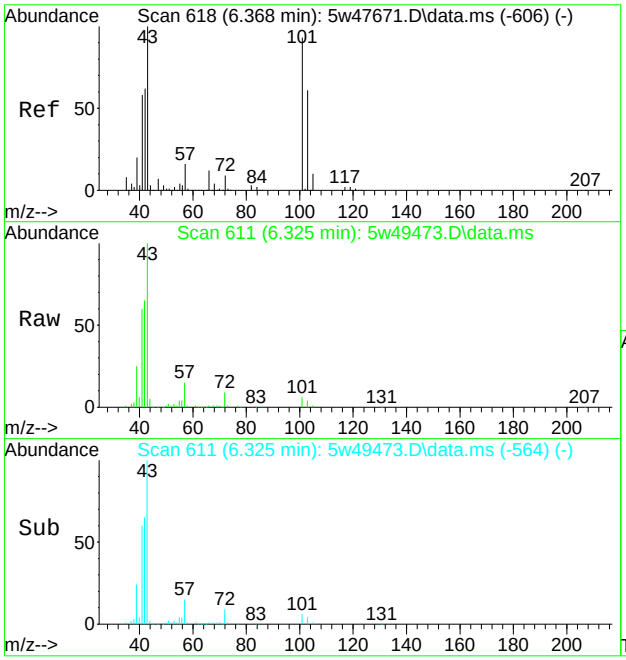


#22
Acetone
Concen: 6.15 ppb(v)
RT: 8.533 min Scan# 972
Delta R.T. -0.086 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 58 Resp: 51611

Ion	Ratio	Lower	Upper
58	100		
43	434.7	253.0	469.8

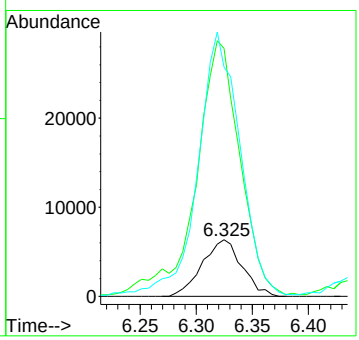


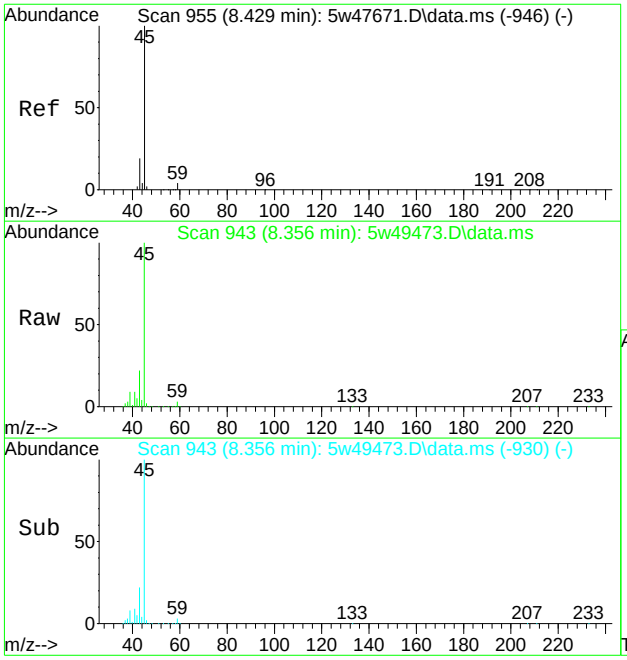


#23
Pentane
Concen: 2.89 ppb(v)
RT: 6.325 min Scan# 611
Delta R.T. -0.043 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 57 Resp: 15739

Ion	Ratio	Lower	Upper
57	100		
42	414.9	277.7	515.7
41	383.2	257.1	477.5

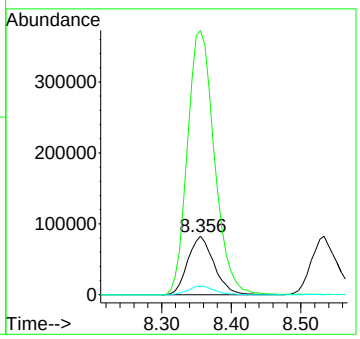


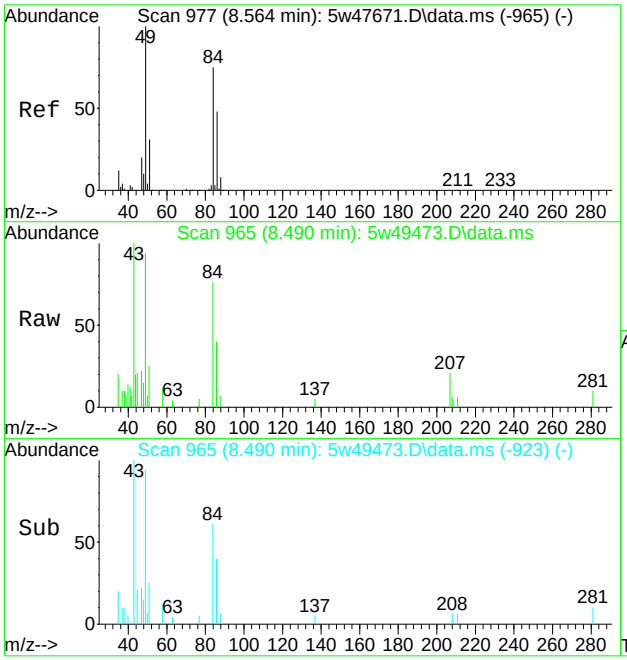


#25
Isopropyl Alcohol
Concen: 30.20 ppb(v)
RT: 8.356 min Scan# 943
Delta R.T. -0.073 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 43 Resp: 217084

Ion	Ratio	Lower	Upper
43	100		
45	450.9	367.4	682.2
59	14.5	13.7	25.5

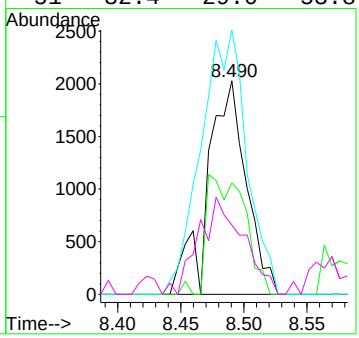


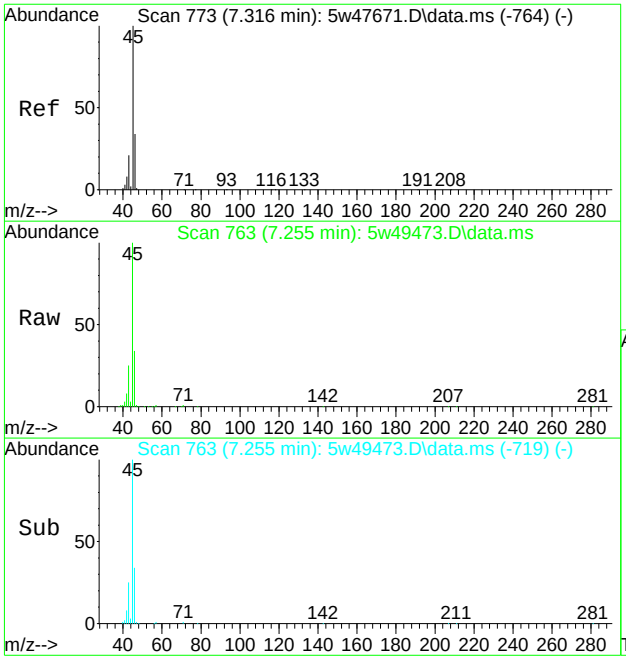


#28
Methylene Chloride
Concen: 0.22 ppb(v)
RT: 8.490 min Scan# 965
Delta R.T. -0.073 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 84 Resp: 4321

Ion	Ratio	Lower	Upper
84	100		
86	52.3	44.8	83.2
49	123.8	93.5	173.7
51	32.4	29.0	53.8

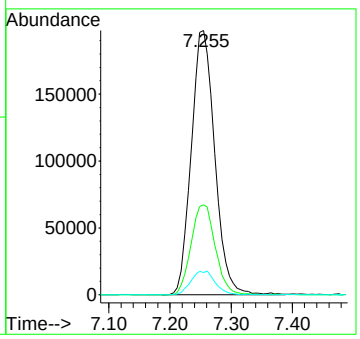


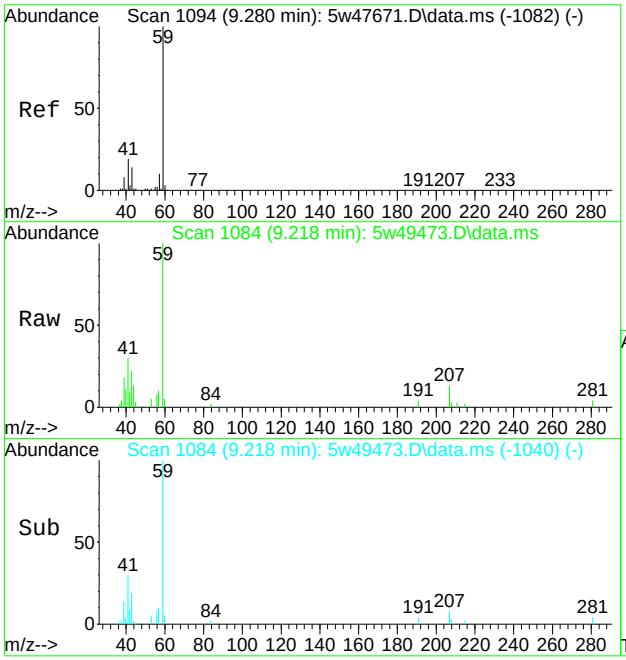


#30
Ethanol
Concen: 66.88 ppb(v)
RT: 7.255 min Scan# 763
Delta R.T. -0.061 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 45 Resp: 528259

Ion	Ratio	Lower	Upper
45	100		
46	34.1	23.9	44.5
42	8.4	5.9	11.1

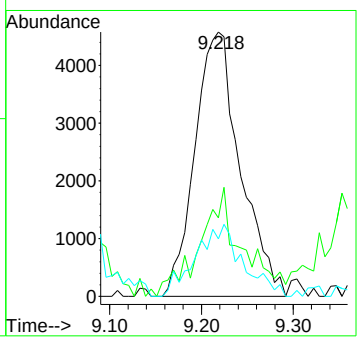


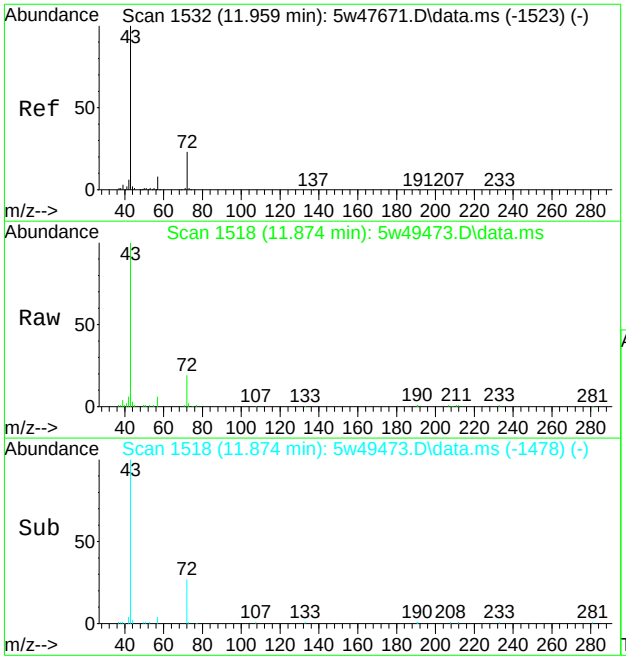


#34
tert-Butyl Alcohol
Concen: 0.33 ppb(v)
RT: 9.218 min Scan# 1084
Delta R.T. -0.061 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 59 Resp: 15766

Ion	Ratio	Lower	Upper
59	100		
41	37.0	13.8	25.6#
43	20.8	10.3	19.1#

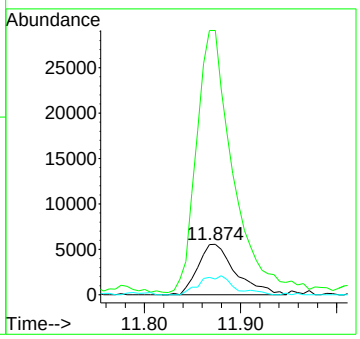


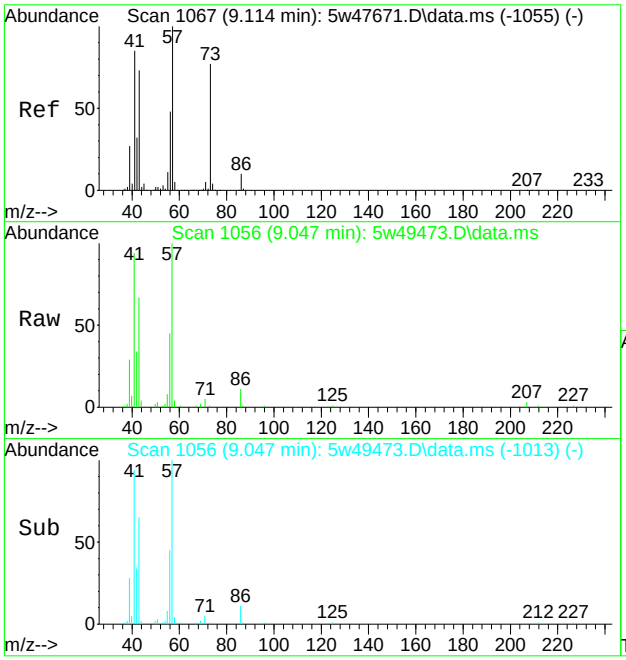


#38
2-Butanone
Concen: 1.73 ppb(v)
RT: 11.874 min Scan# 1518
Delta R.T. -0.086 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 72 Resp: 15140

Ion	Ratio	Lower	Upper
72	100		
43	463.0	305.1	566.7
57	27.6	23.1	42.9

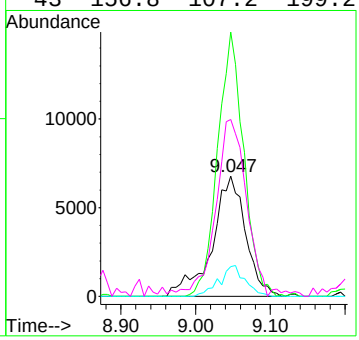


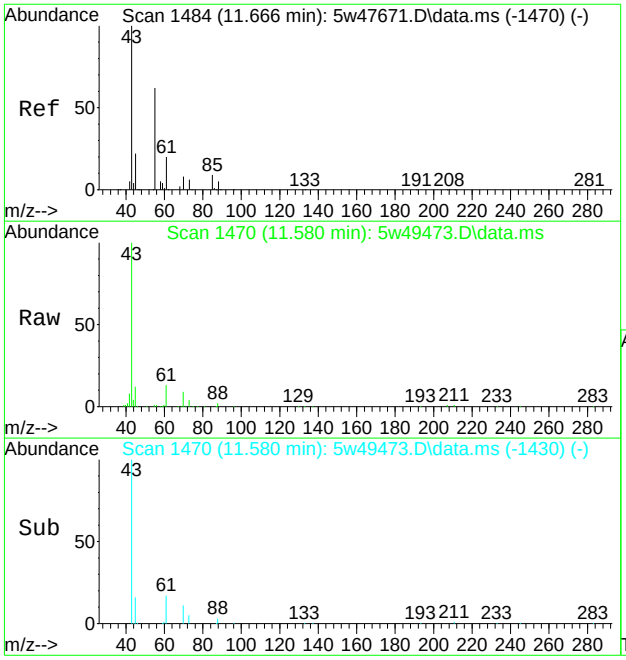


#39
Hexane
Concen: 1.13 ppb(v)
RT: 9.047 min Scan# 1056
Delta R.T. -0.067 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 56 Resp: 21069

Ion	Ratio	Lower	Upper
56	100		
57	219.9	147.0	273.0
86	24.6	15.3	28.3
43	156.8	107.2	199.2

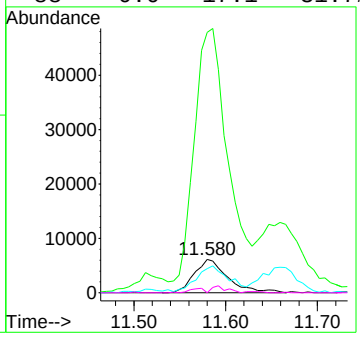


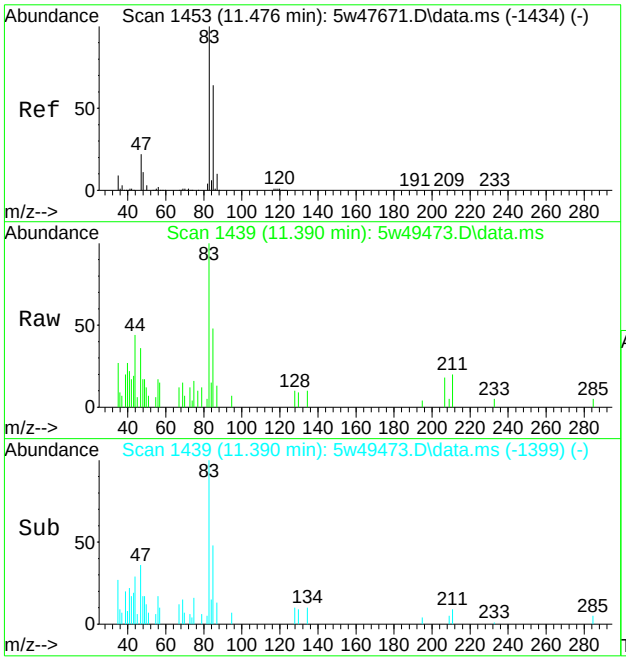


#42
Ethyl Acetate
Concen: 2.50 ppb(v)
RT: 11.580 min Scan# 1470
Delta R.T. -0.086 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 61 Resp: 15531

Ion	Ratio	Lower	Upper
61	100		
43	782.3	509.8	946.8
70	72.6	55.2	102.6
88	0.0	17.1	31.7#

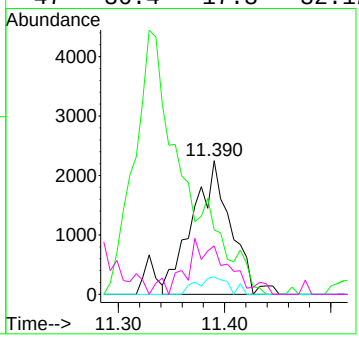


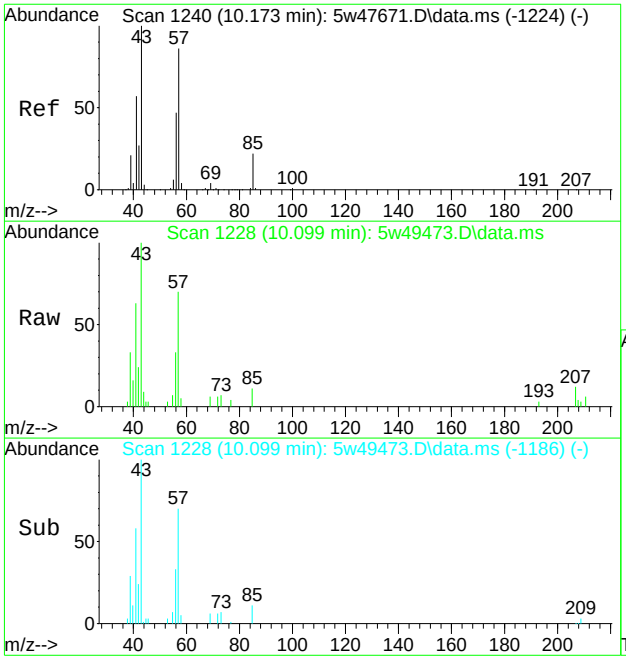


#44
Chloroform
Concen: 0.10 ppb(v)
RT: 11.390 min Scan# 1439
Delta R.T. -0.086 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 83 Resp: 5686

Ion	Ratio	Lower	Upper
83	100		
85	48.4	44.9	83.3
87	13.1	7.3	13.7
47	36.4	17.3	32.1#

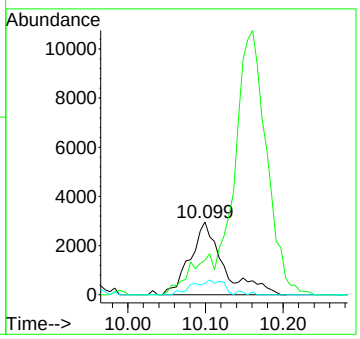


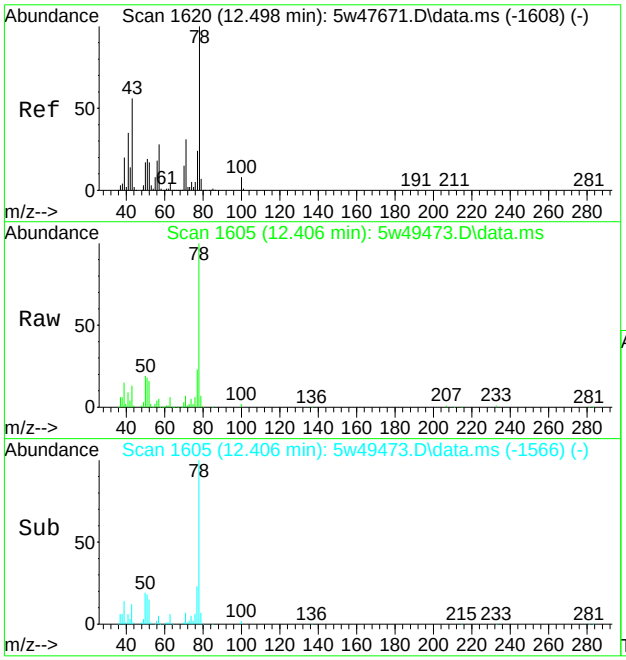


#45
2,4-Dimethylpentane
Concen: 0.22 ppb(v)
RT: 10.099 min Scan# 1228
Delta R.T. -0.073 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 57 Resp: 8829

Ion	Ratio	Lower	Upper
57	100		
56	47.5	38.6	71.8
85	15.6	18.0	33.4#

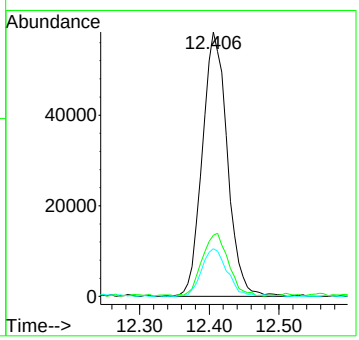


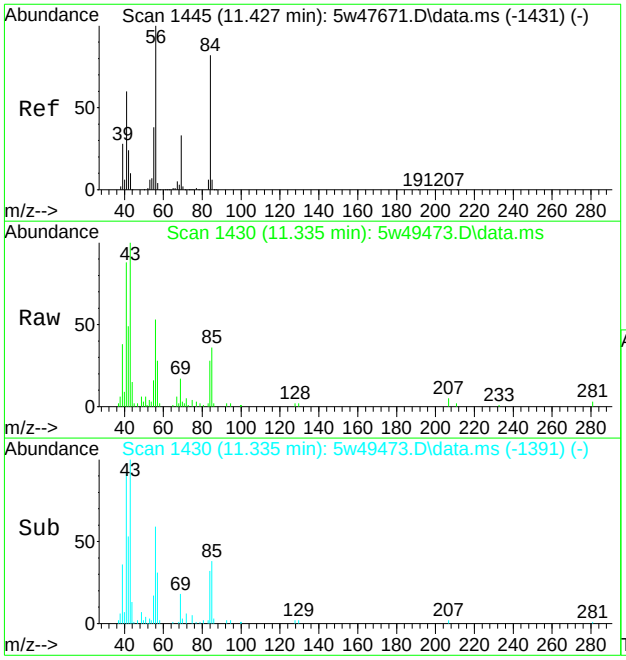


#49
Benzene
Concen: 2.13 ppb(v)
RT: 12.406 min Scan# 1605
Delta R.T. -0.092 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 78 Resp: 145466

Ion	Ratio	Lower	Upper
78	100		
77	23.1	16.9	31.5
51	18.0	13.2	24.4

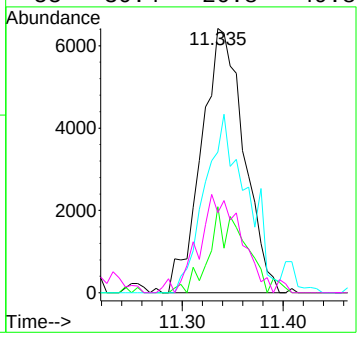


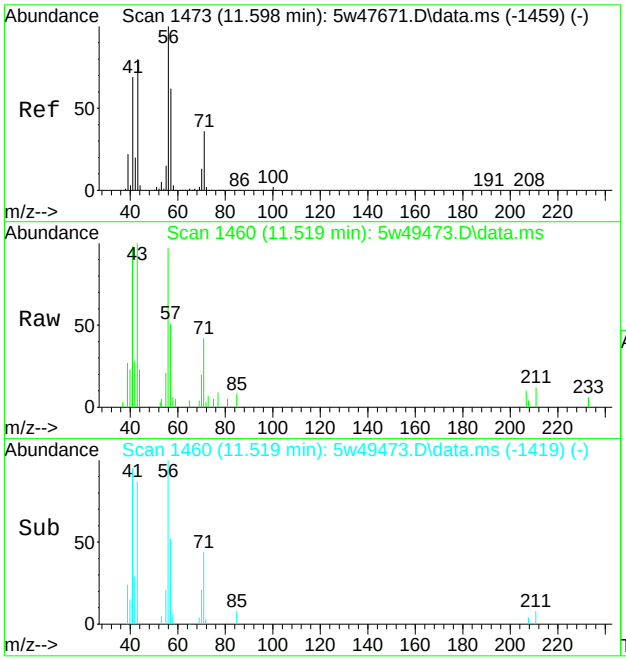


#51
Cyclohexane
Concen: 0.56 ppb(v)
RT: 11.335 min Scan# 1430
Delta R.T. -0.092 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 56 Resp: 18791

Ion	Ratio	Lower	Upper
56	100		
69	37.7	22.7	42.3
84	53.2	57.4	106.6#
55	30.4	26.8	49.8

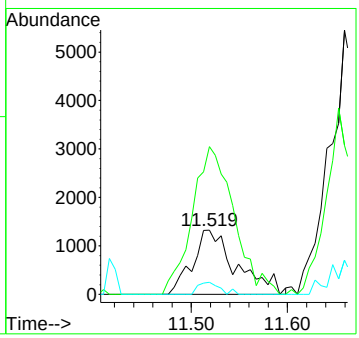


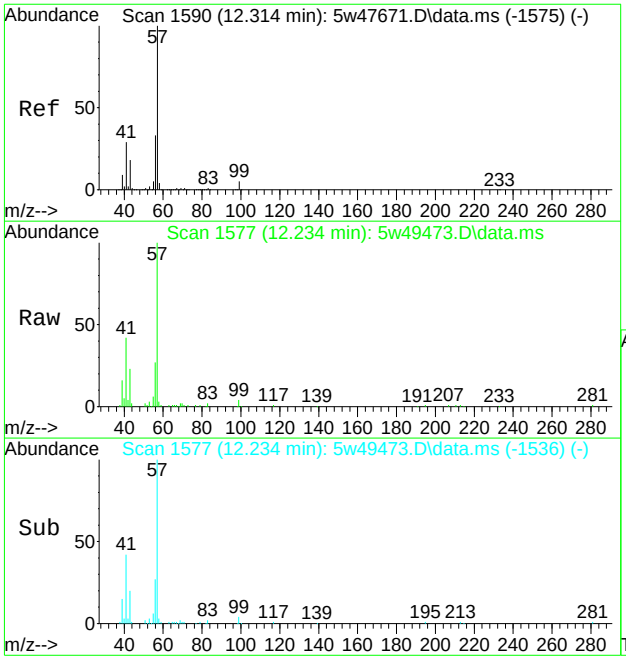


#52
2,3-Dimethylpentane
Concen: 0.28 ppb(v)
RT: 11.519 min Scan# 1460
Delta R.T. -0.079 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 71 Resp: 4213

Ion	Ratio	Lower	Upper
71	100		
56	212.9	193.4	359.2
85	17.3	11.3	21.1

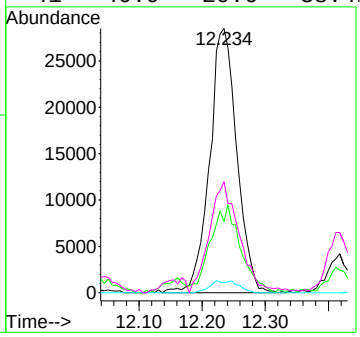


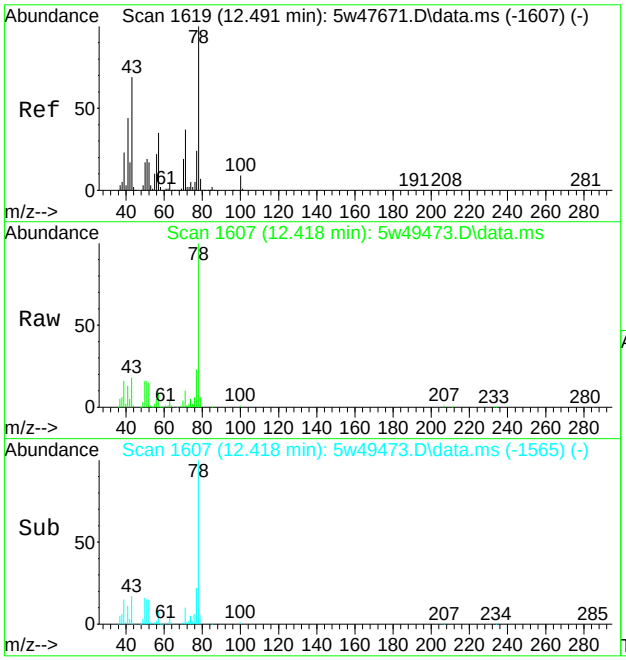


#54
2,2,4-Trimethylpentane
Concen: 0.85 ppb(v)
RT: 12.234 min Scan# 1577
Delta R.T. -0.080 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 57 Resp: 85689

Ion	Ratio	Lower	Upper
57	100		
56	26.1	23.2	43.0
99	3.7	3.2	6.0
41	40.9	20.6	38.4#

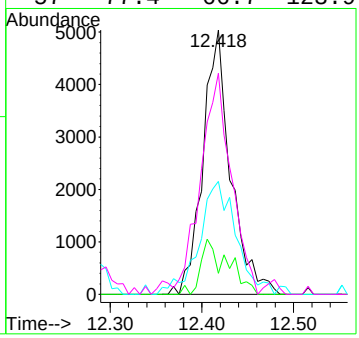


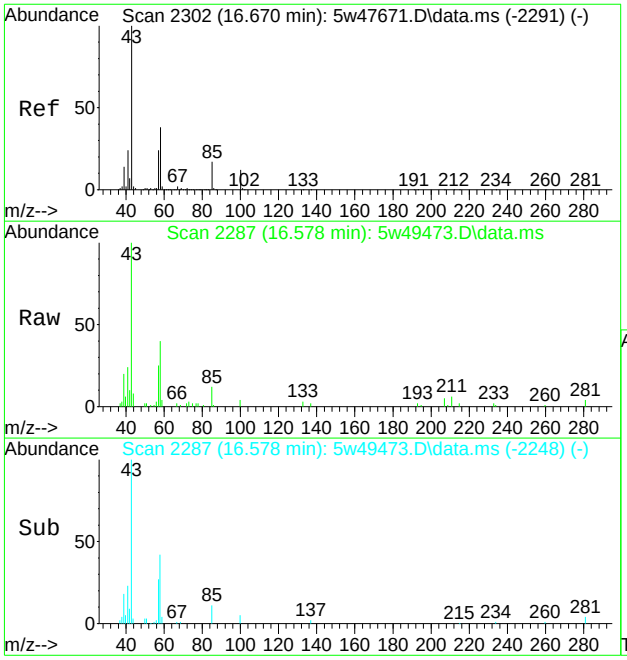


#55
Heptane
Concen: 0.53 ppb(v)
RT: 12.418 min Scan# 1607
Delta R.T. -0.073 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 71 Resp: 10628

Ion	Ratio	Lower	Upper
71	100		
100	7.4	16.7	31.1#
70	39.5	35.4	65.8
57	77.4	66.7	123.9

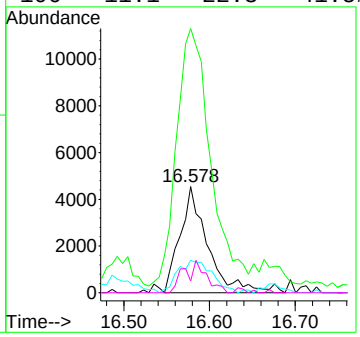


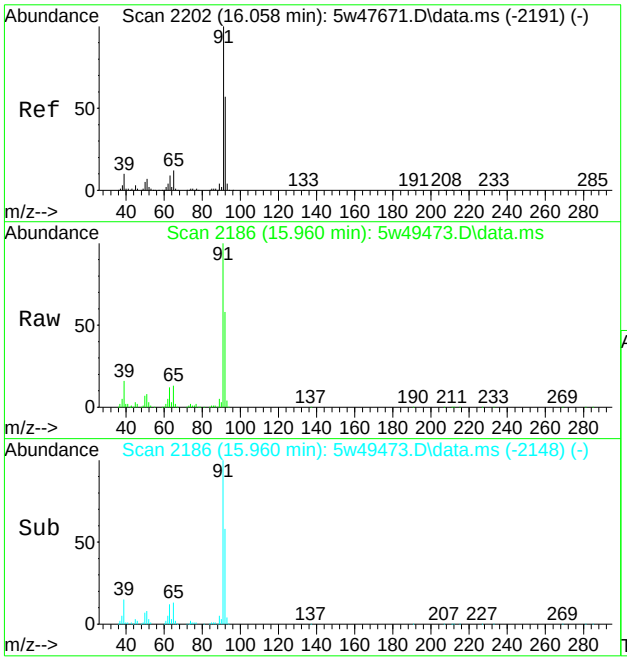


#64
4-Methyl-2-pentanone
Concen: 0.54 ppb(v) m
RT: 16.578 min Scan# 2287
Delta R.T. -0.092 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 58 Resp: 10316

Ion	Ratio	Lower	Upper
58	100		
43	248.8	183.3	340.3
85	30.6	31.4	58.2#
100	11.1	22.3	41.5#

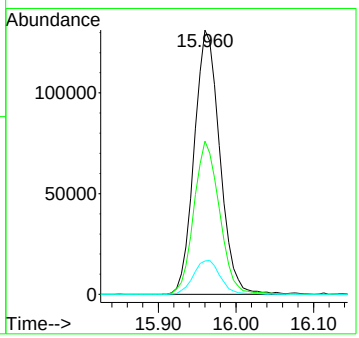


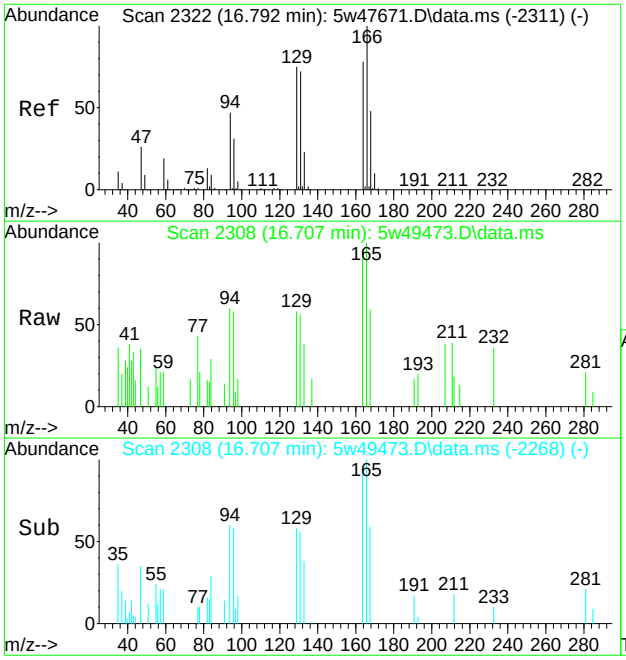


#66
Toluene
Concen: 3.81 ppb(v)
RT: 15.960 min Scan# 2186
Delta R.T. -0.098 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 91 Resp: 300252

Ion	Ratio	Lower	Upper
91	100		
92	58.0	39.8	74.0
65	12.6	8.6	16.0

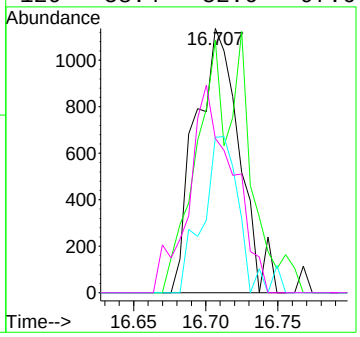


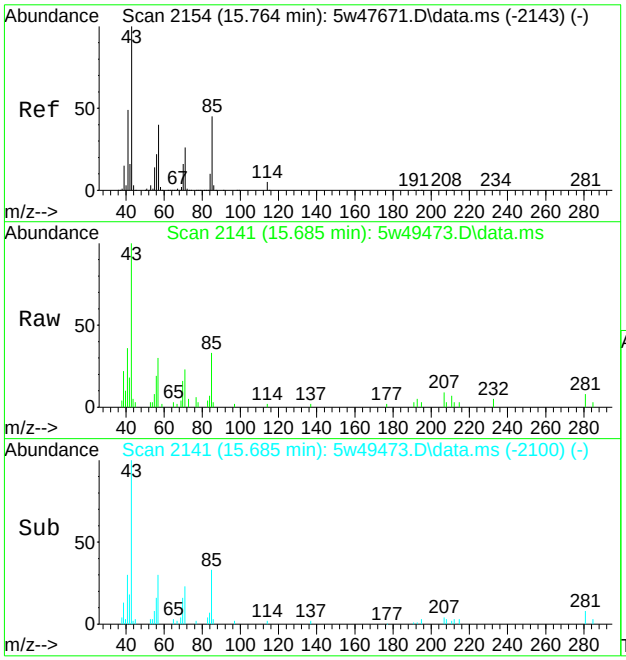


#72
Tetrachloroethene
Concen: 0.06 ppb(v)
RT: 16.707 min Scan# 2308
Delta R.T. -0.086 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion:166 Resp: 2412

Ion	Ratio	Lower	Upper
166	100		
164	95.5	54.5	101.3
168	58.8	33.5	62.3
129	58.4	52.6	97.6

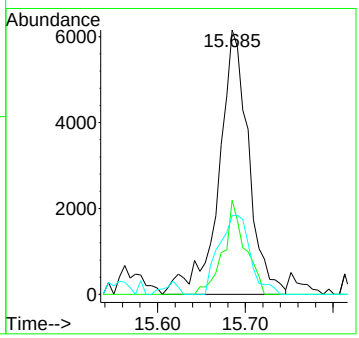


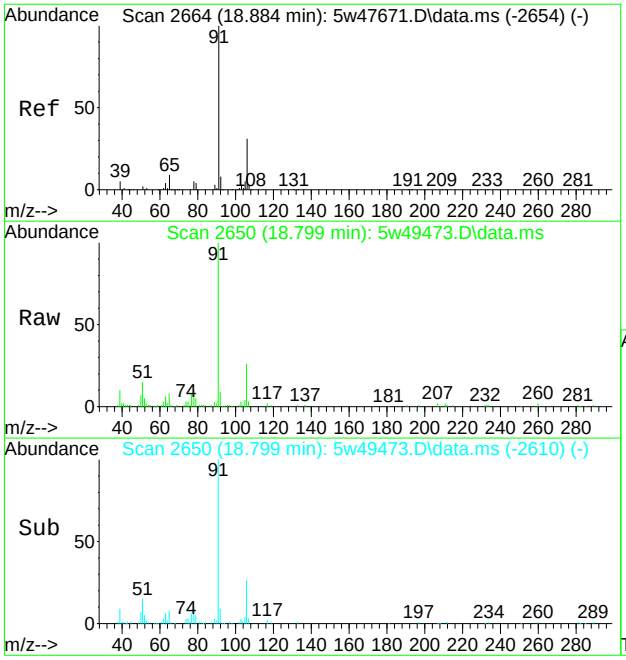


#74
Octane
Concen: 0.30 ppb(v)
RT: 15.685 min Scan# 2141
Delta R.T. -0.079 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 43 Resp: 14489

Ion	Ratio	Lower	Upper
43	100		
85	34.0	31.1	57.9
57	28.4	27.8	51.6

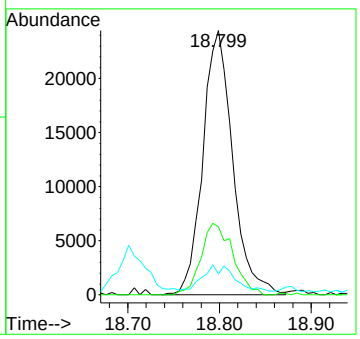


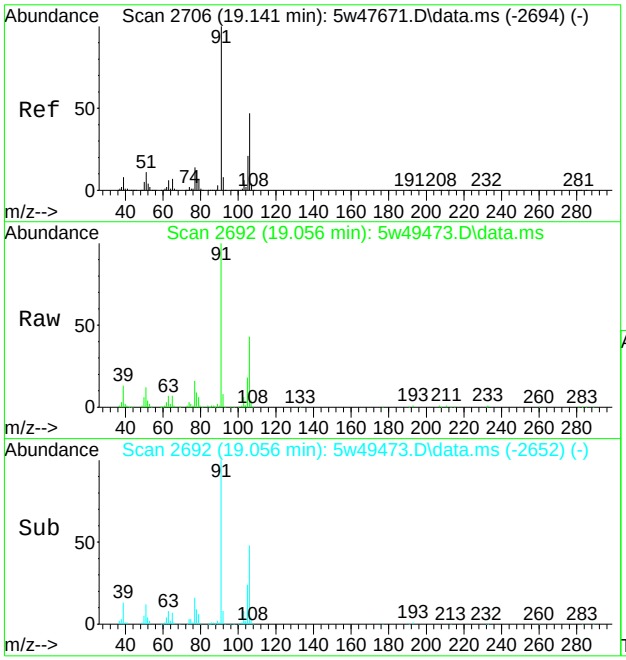


#78
Ethylbenzene
Concen: 0.54 ppb(v)
RT: 18.799 min Scan# 2650
Delta R.T. -0.086 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 91 Resp: 55395

Ion	Ratio	Lower	Upper
91	100		
106	26.7	21.4	39.8
77	7.3	6.6	12.2

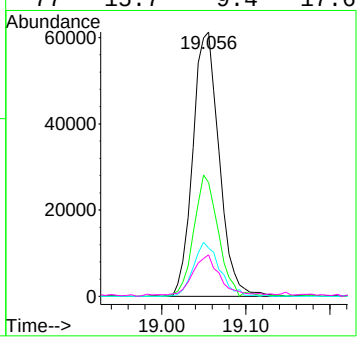


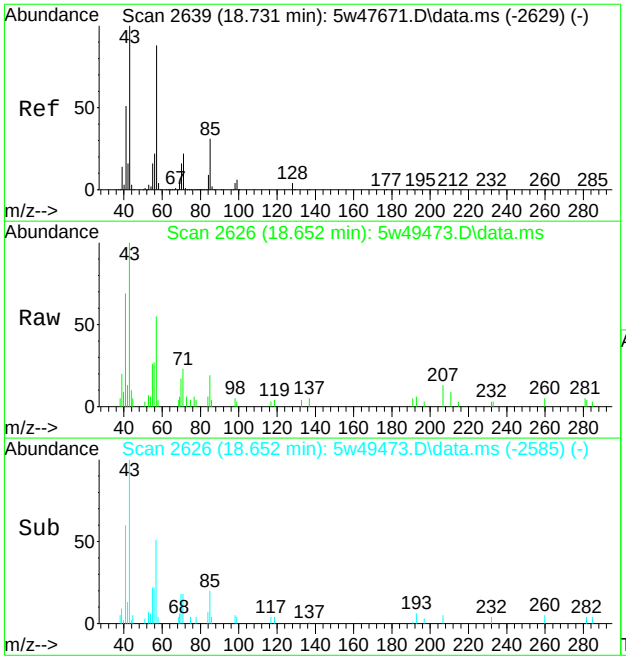


#79
m,p-Xylene
Concen: 1.75 ppb(v)
RT: 19.056 min Scan# 2692
Delta R.T. -0.086 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 91 Resp: 133692

Ion	Ratio	Lower	Upper
91	100		
106	47.0	32.6	60.5
105	18.3	14.5	26.9
77	15.7	9.4	17.6

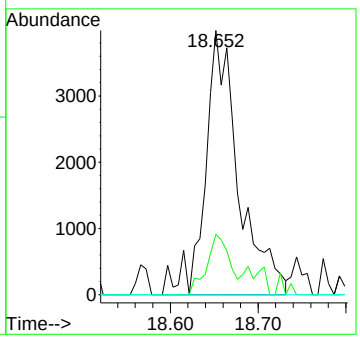


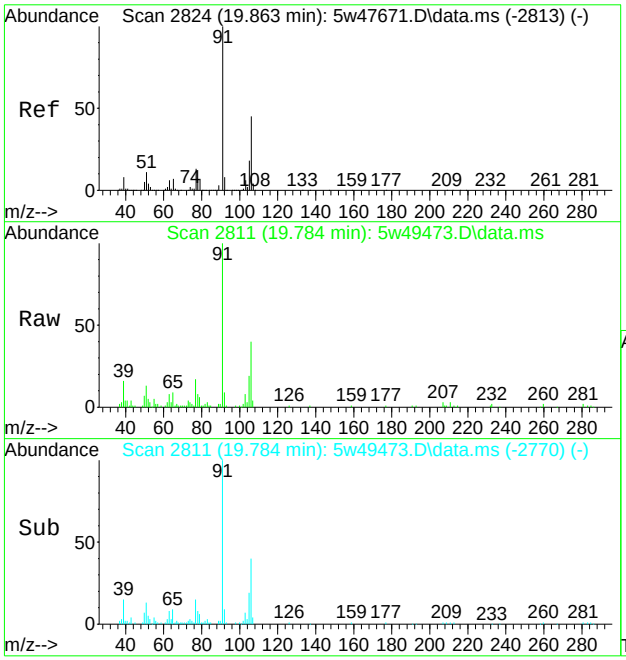


#81
Nonane
Concen: 0.20 ppb(v)
RT: 18.652 min Scan# 2626
Delta R.T. -0.079 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 43 Resp: 10568

Ion	Ratio	Lower	Upper
43	100		
71	22.9	15.5	28.7
128	0.0	2.9	5.5#

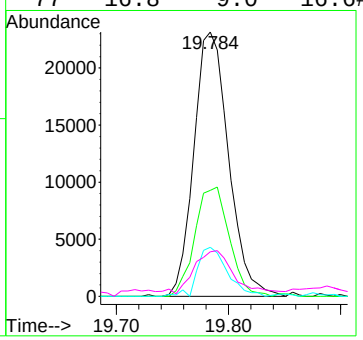


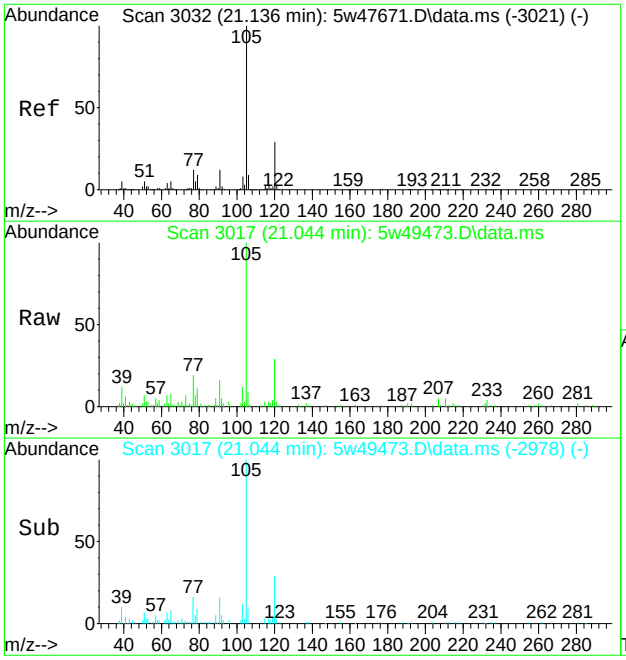


#82
o-Xylene
Concen: 0.61 ppb(v)
RT: 19.784 min Scan# 2811
Delta R.T. -0.079 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion: 91 Resp: 49850

Ion	Ratio	Lower	Upper
91	100		
106	40.1	31.6	58.6
105	18.6	12.4	23.0
77	16.8	9.0	16.6#

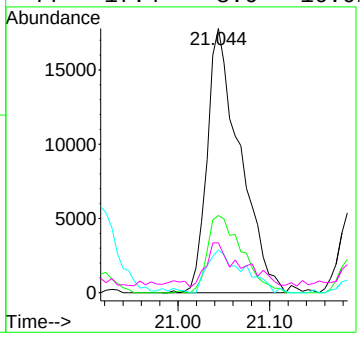


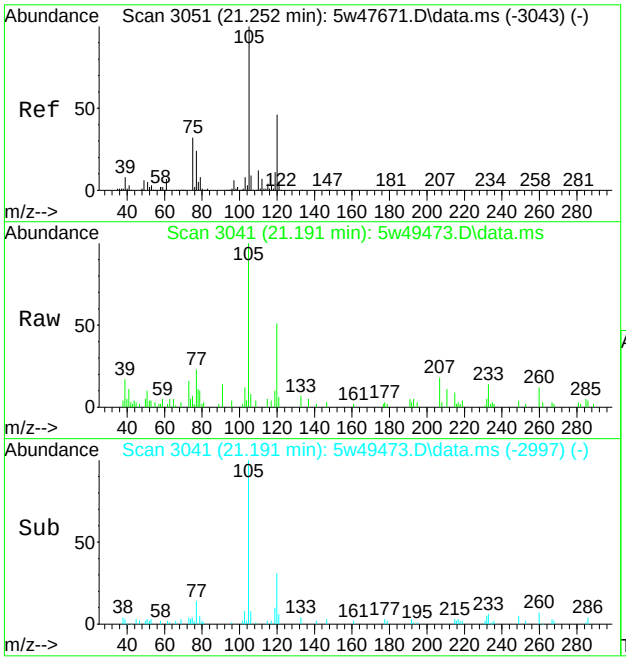


#91
4-Ethyltoluene
Concen: 0.46 ppb(v)
RT: 21.044 min Scan# 3017
Delta R.T. -0.092 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion:105 Resp: 44177

Ion	Ratio	Lower	Upper
105	100		
120	29.9	20.5	38.1
91	15.0	8.2	15.2
77	17.4	8.6	16.0#

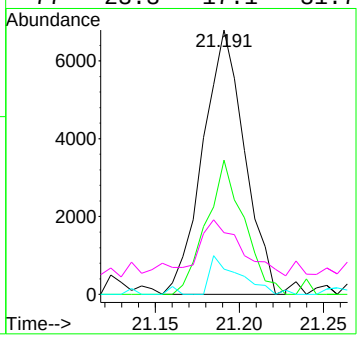


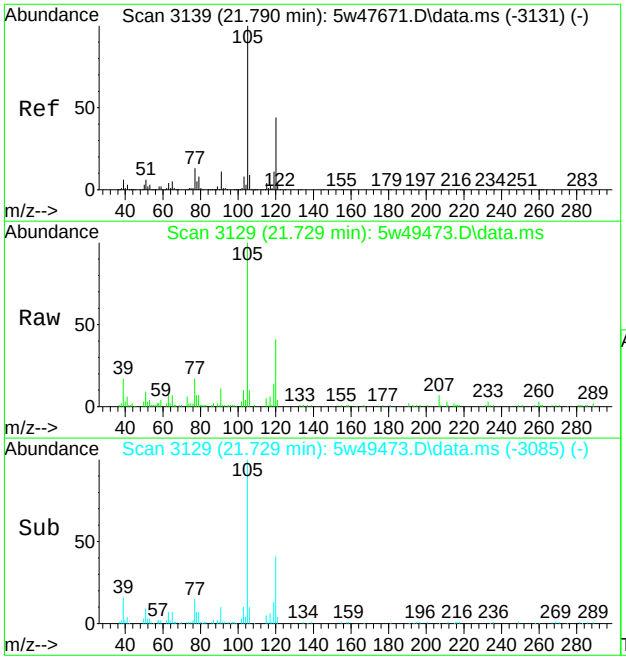


#92
1,3,5-Trimethylbenzene
Concen: 0.15 ppb(v)
RT: 21.191 min Scan# 3041
Delta R.T. -0.061 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion:105 Resp: 11723

Ion	Ratio	Lower	Upper
105	100		
120	50.8	32.3	59.9
119	9.6	7.9	14.7
77	23.3	17.1	31.7

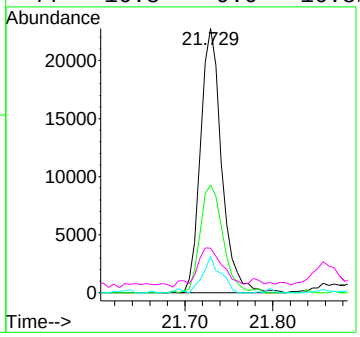


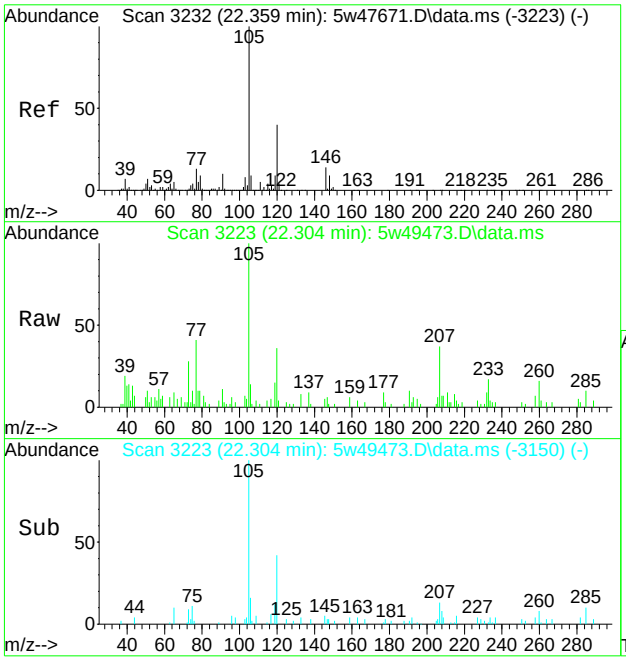


#95
1,2,4-Trimethylbenzene
Concen: 0.48 ppb(v)
RT: 21.729 min Scan# 3129
Delta R.T. -0.061 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion:105 Resp: 38298

Ion	Ratio	Lower	Upper
105	100		
120	40.8	30.7	57.1
119	13.8	8.0	14.8
77	16.8	9.0	16.8#

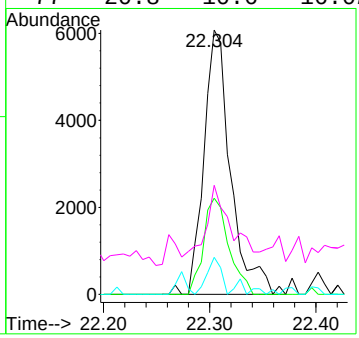


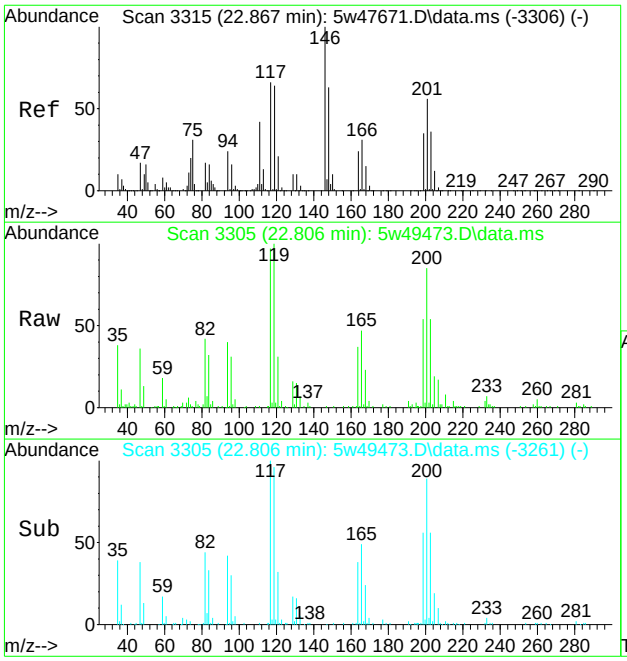


#97
1,2,3-trimethylbenzene
Concen: 0.14 ppb(v)
RT: 22.304 min Scan# 3223
Delta R.T. -0.055 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion:105 Resp: 10625

Ion	Ratio	Lower	Upper
105	100		
120	34.6	33.1	49.7
91	7.9	8.4	12.6#
77	20.8	10.6	16.0#

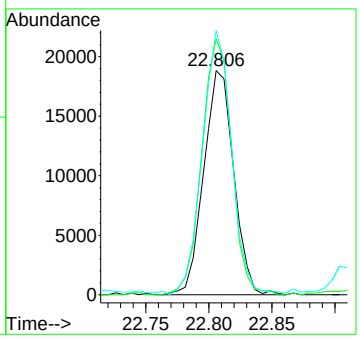




#104
Hexachloroethane
Concen: 1.03 ppb(v)
RT: 22.806 min Scan# 3305
Delta R.T. -0.061 min
Lab File: 5w49473.D
Acq: 24 Apr 2022 1:31 am

Tgt Ion:201 Resp: 31079

Ion	Ratio	Lower	Upper
201	100		
117	117.0	81.9	152.1
119	121.2	79.7	148.1



Manual Integration Approval Summary

Sample Number: JD41994-3
Lab FileID: 5W49473.D
Injection Time: 04/24/22 01:31

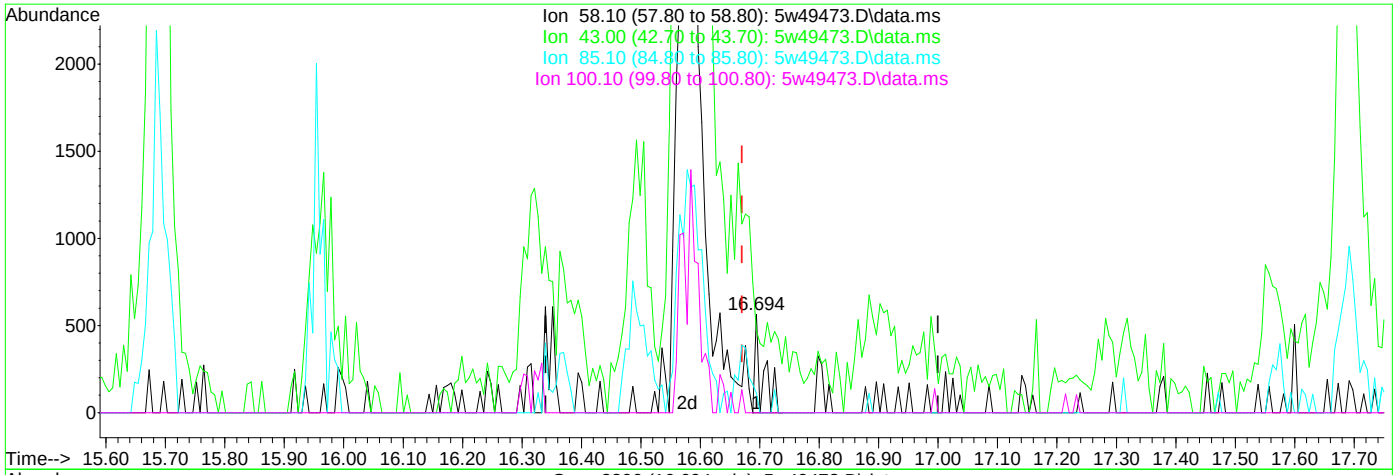
Method: TO-15
Analyst approved: 04/25/22 11:25 Thomas Hilbig
Supervisor approved: 04/26/22 12:22 Kanya Veerawat

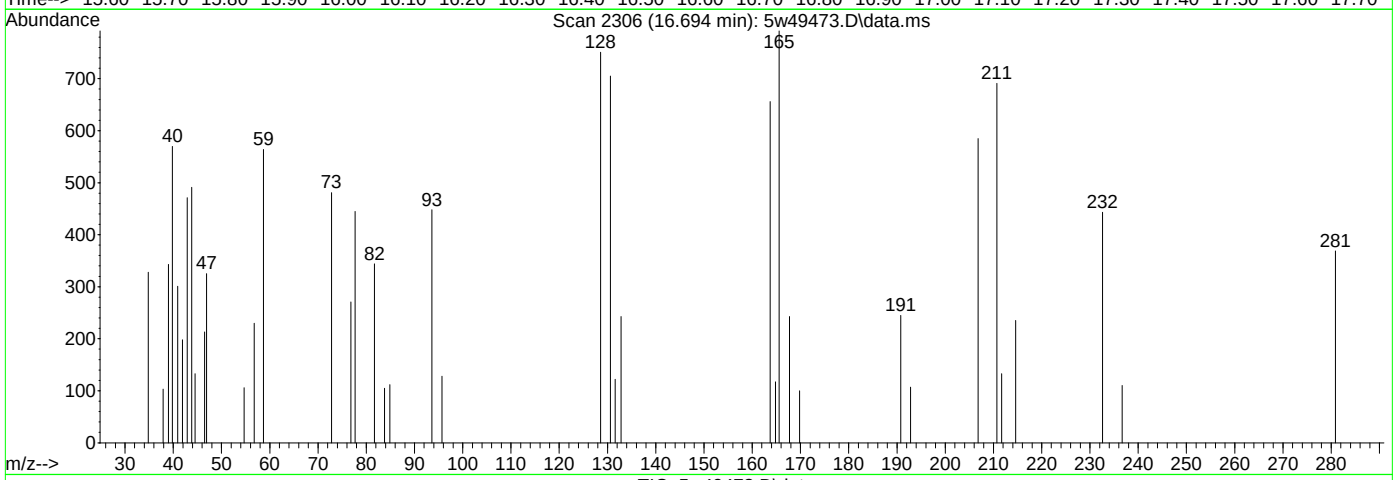
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Isobutyl Ketone	108-10-1		16.58	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\RAWDATA\
Data File : 5w49473.D
Acq On : 24 Apr 2022 1:31 am
Operator : thomash
Sample : jd41994-3
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 25 11:15:48 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49473.D\data.ms

(64) 4-Methyl-2-pentanone

16.694min (+0.024) 0.03ppb(v)

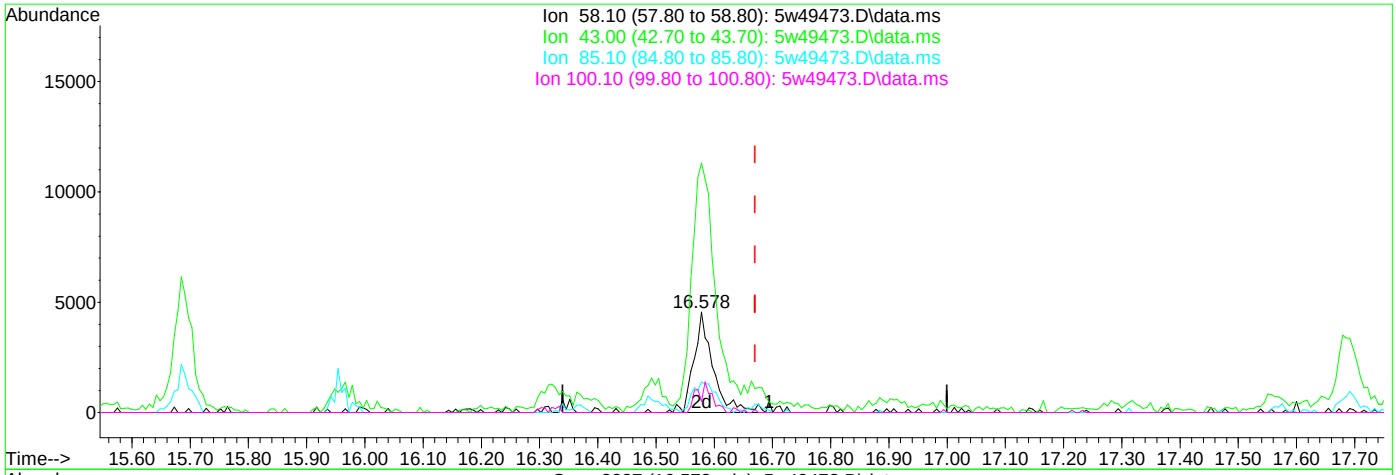
response 499

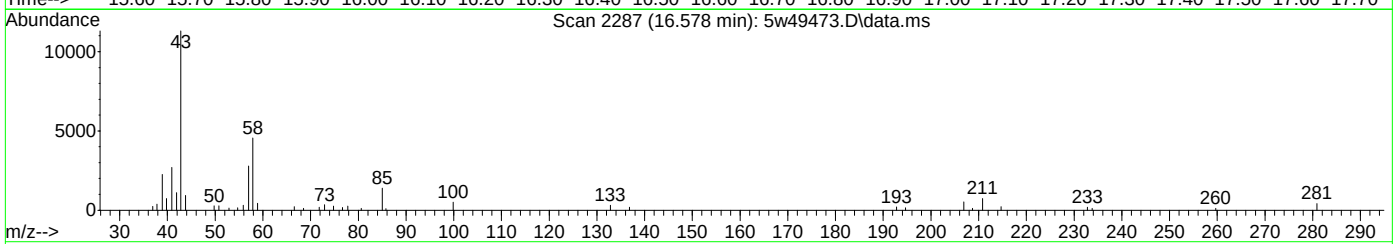
Ion	Exp%	Act%
58.10	100	100
43.00	261.80	83.51#
85.10	44.80	19.86#
100.10	31.90	0.00#

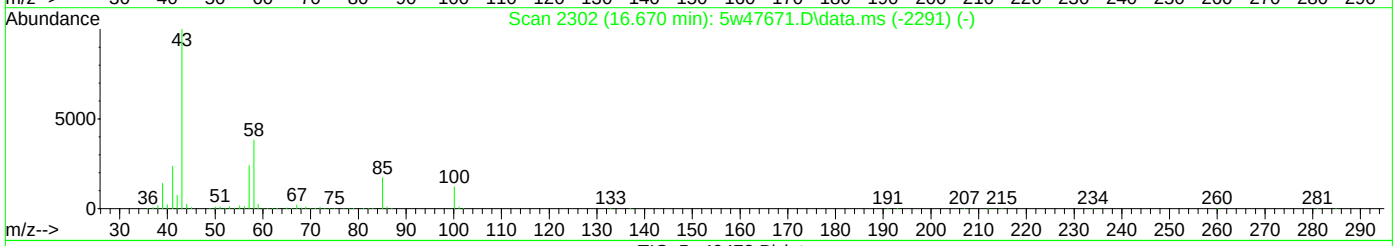
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49473.D
Acq On : 24 Apr 2022 1:31 am
Operator : thomash
Sample : jd41994-3
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Apr 25 10:27:52 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration







TIC: 5w49473.D\data.ms

(64) 4-Methyl-2-pentanone

16.578min (-0.092) 0.54ppb(v) m

response 10316

Ion	Exp%	Act%
58.10	100	100
43.00	261.80	248.81
85.10	44.80	30.63#
100.10	31.90	11.15#

5W49473.D edits: 4-Methyl-2-pentanone

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49468.D
Acq On : 23 Apr 2022 9:10 pm
Operator : thomash
Sample : jd41994-4
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 26 13:04:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

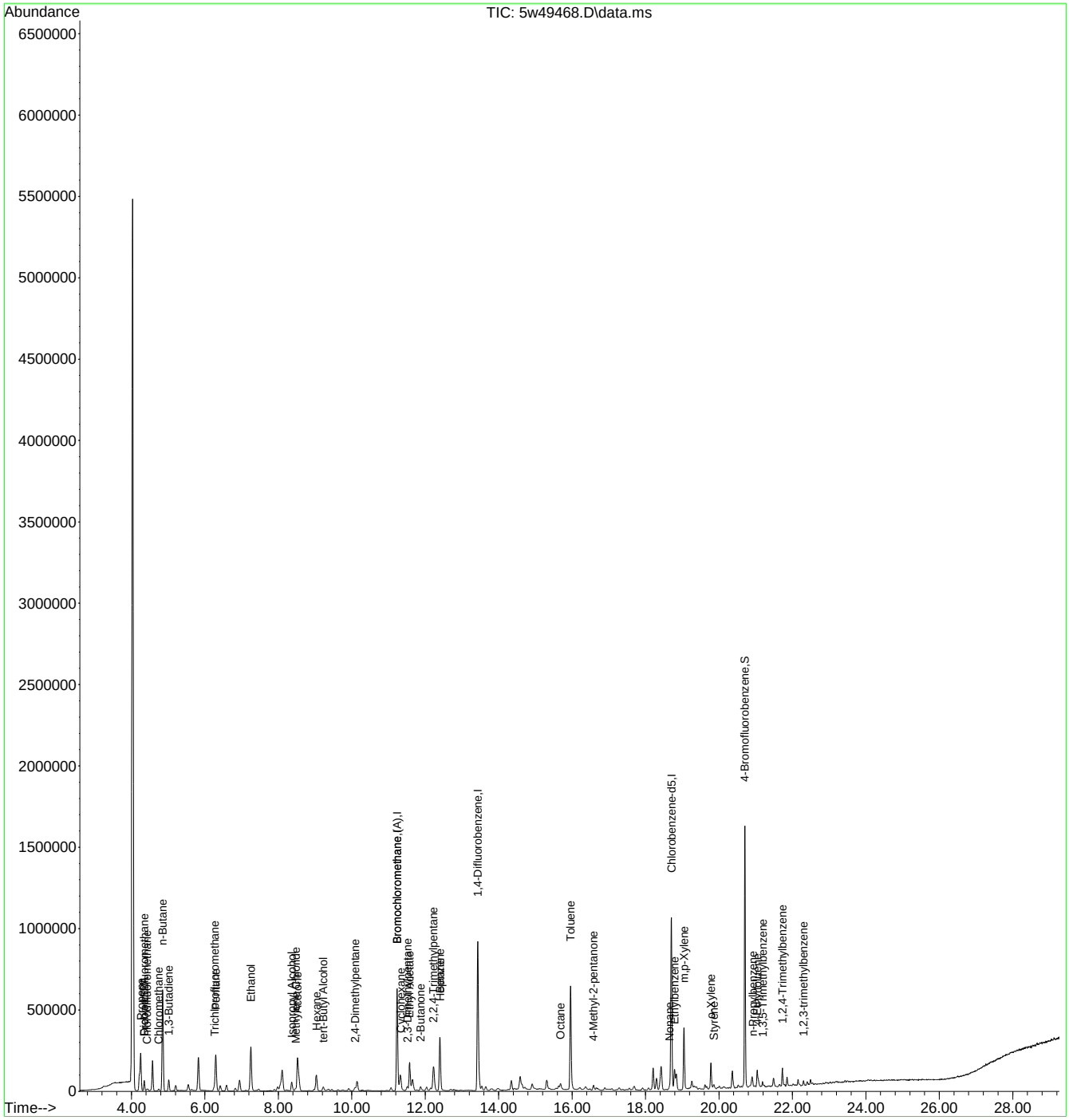
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.237	130	241401	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.434	114	869918	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	405580	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.237	130	241401	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	470117	9.17	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 91.70%			
Target Compounds						Qvalue
2) Freon 152A	4.349	65	7621	0.48	ppb(v	98
3) Chlorodifluoromethane	4.422	67	3582	0.41	ppb(v	89
4) Propene	4.263	41	44034	2.20	ppb(v	96
6) Dichlorodifluoromethane	4.349	85	54334	0.57	ppb(v	99
8) Chloromethane	4.740	50	16650	0.65	ppb(v	94
11) 1,3-Butadiene	5.016	54	10144	0.55	ppb(v#	7
12) n-Butane	4.850	58	51035	13.66	ppb(v	99
21) Trichlorofluoromethane	6.270	101	25589	0.33	ppb(v	90
22) Acetone	8.521	58	86892	8.27	ppb(v	80
23) Pentane	6.300	57	26392	3.87	ppb(v	73
25) Isopropyl Alcohol	8.368	43	21041	2.34	ppb(v	68
28) Methylene Chloride	8.478	84	9519	0.38	ppb(v#	84
30) Ethanol	7.255	45	397380	40.19	ppb(v	97
34) tert-Butyl Alcohol	9.218	59	34698	0.58	ppb(v#	86
38) 2-Butanone	11.873	72	9945	0.91	ppb(v	88
39) Hexane	9.041	56	30689	1.31	ppb(v	84
42) Ethyl Acetate	11.574	61	33154	4.26	ppb(v	81
45) 2,4-Dimethylpentane	10.093	57	12901	0.25	ppb(v	94
49) Benzene	12.400	78	294771	3.45	ppb(v	99
51) Cyclohexane	11.341	56	28619	0.69	ppb(v	94
52) 2,3-Dimethylpentane	11.519	71	6750	0.36	ppb(v#	83
54) 2,2,4-Trimethylpentane	12.222	57	186616	1.48	ppb(v	91
55) Heptane	12.412	71	21329	0.85	ppb(v	80
64) 4-Methyl-2-pentanone	16.578	58	10750	0.45	ppb(v	89
66) Toluene	15.960	91	576482	5.82	ppb(v	100
74) Octane	15.679	43	21413	0.36	ppb(v#	80
78) Ethylbenzene	18.793	91	116351	0.97	ppb(v	96
79) m,p-Xylene	19.050	91	272319	3.02	ppb(v	95
80) Styrene	19.863	104	8323	0.13	ppb(v#	68
81) Nonane	18.652	43	11531	0.19	ppb(v#	86
82) o-Xylene	19.784	91	98060	1.02	ppb(v	97
89) n-Propylbenzene	20.922	120	3763	0.12	ppb(v	57
91) 4-Ethyltoluene	21.044	105	79265	0.69	ppb(v#	87
92) 1,3,5-Trimethylbenzene	21.191	105	19217	0.20	ppb(v	91
95) 1,2,4-Trimethylbenzene	21.729	105	60724	0.65	ppb(v#	94
97) 1,2,3-trimethylbenzene	22.304	105	15715	0.18	ppb(v#	79

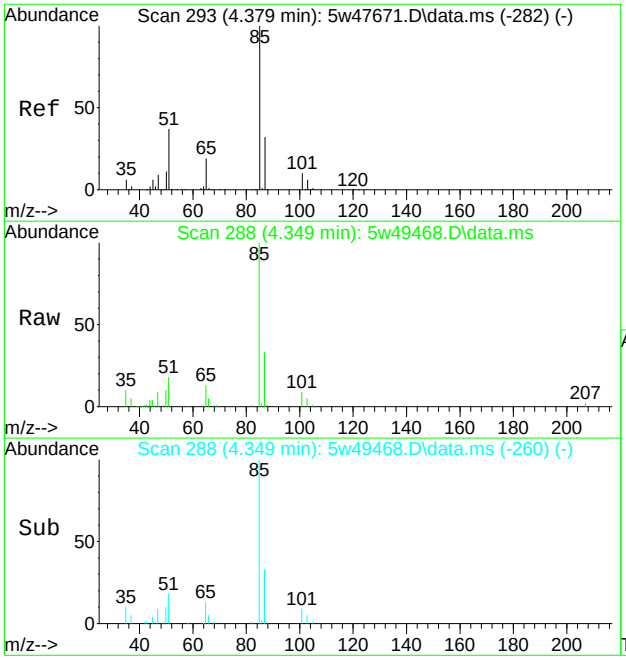
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49468.D
Acq On : 23 Apr 2022 9:10 pm
Operator : thomash
Sample : jd41994-4
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Apr 26 13:04:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

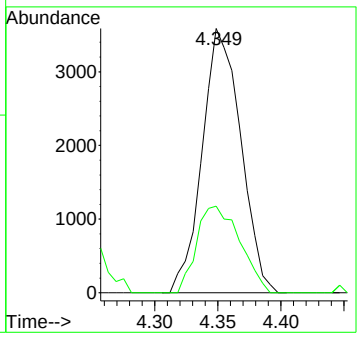


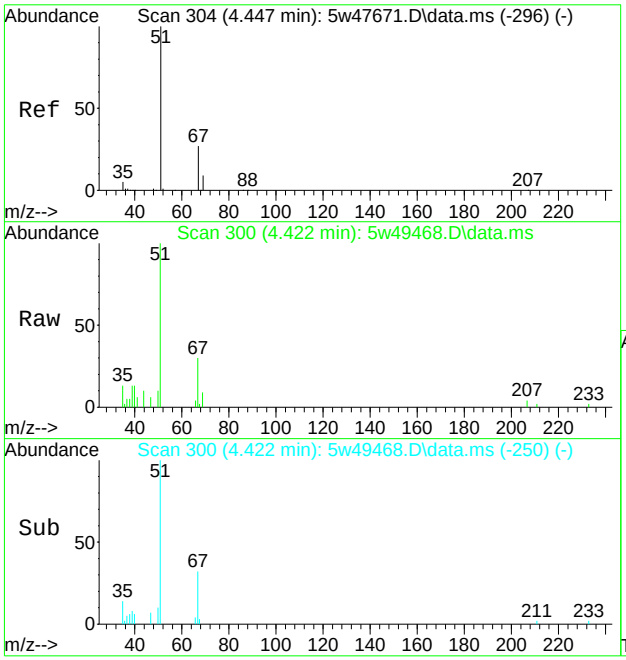


#2
Freon 152A
Concen: 0.48 ppb(v)
RT: 4.349 min Scan# 288
Delta R.T. -0.031 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 65 Resp: 7621

Ion	Ratio	Lower	Upper
65	100		
45	32.7	22.0	41.0

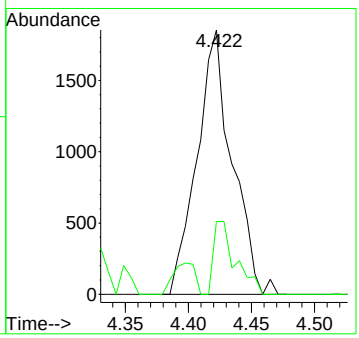


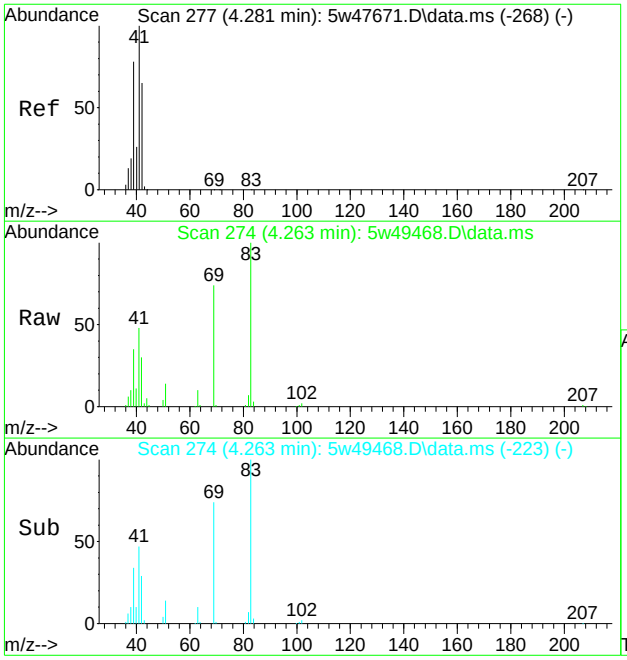


#3
Chlorodifluoromethane
Concen: 0.41 ppb(v)
RT: 4.422 min Scan# 300
Delta R.T. -0.024 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 67 Resp: 3582

Ion	Ratio	Lower	Upper
67	100		
69	27.6	23.5	43.7

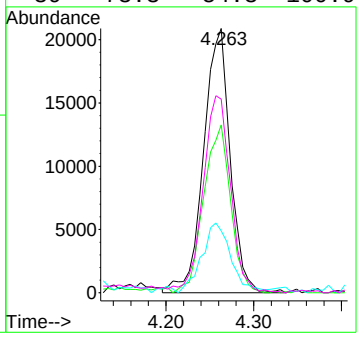


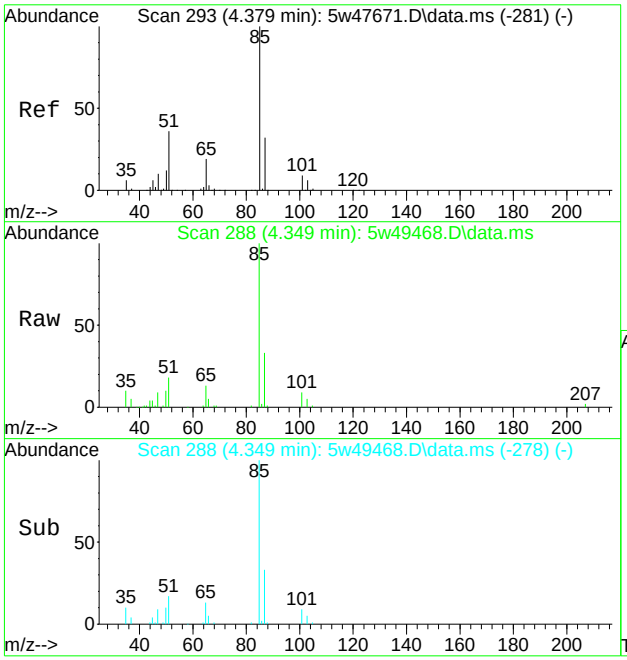


#4
Propene
Concen: 2.20 ppb(v)
RT: 4.263 min Scan# 274
Delta R.T. -0.018 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 41 Resp: 44034

Ion	Ratio	Lower	Upper
41	100		
42	63.5	45.6	84.8
40	23.4	18.4	34.2
39	73.3	54.3	100.9

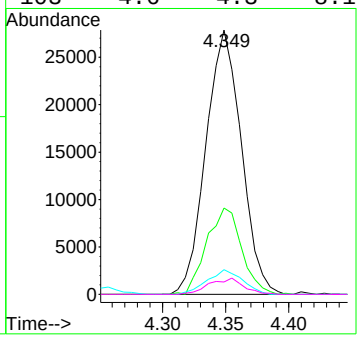


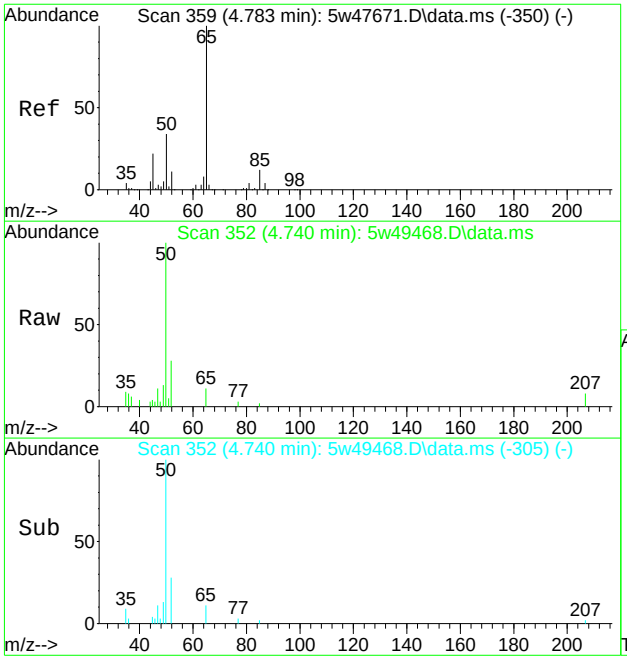


#6
Dichlorodifluoromethane
Concen: 0.57 ppb(v)
RT: 4.349 min Scan# 288
Delta R.T. -0.031 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 85 Resp: 54334

Ion	Ratio	Lower	Upper
85	100		
87	32.2	22.7	42.1
101	9.2	6.5	12.1
103	4.6	4.3	8.1

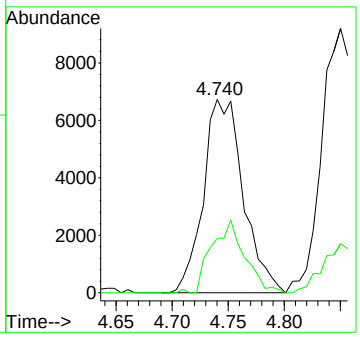


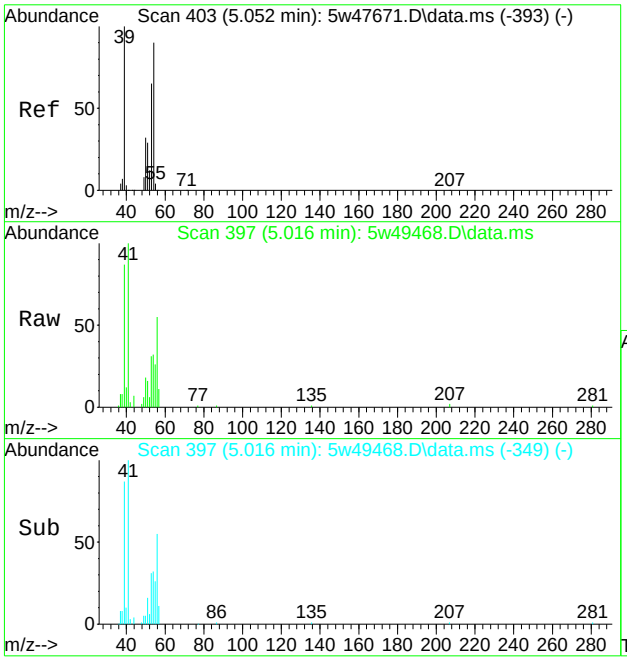


#8
Chloromethane
Concen: 0.65 ppb(v)
RT: 4.740 min Scan# 352
Delta R.T. -0.043 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 50 Resp: 16650

Ion	Ratio	Lower	Upper
50	100		
52	28.2	22.0	40.8

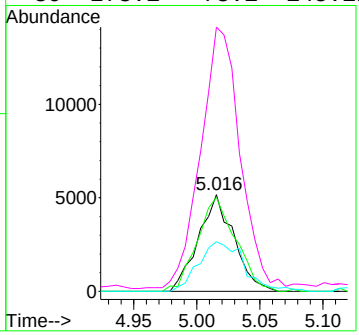


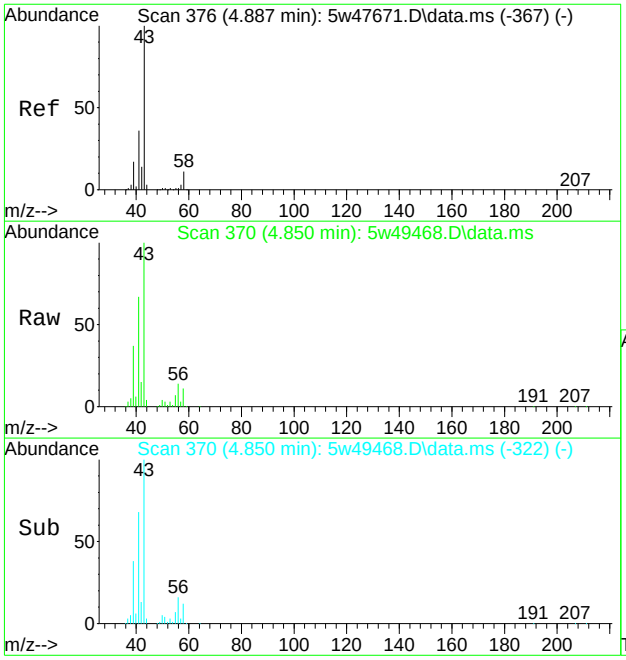


#11
1,3-Butadiene
Concen: 0.55 ppb(v)
RT: 5.016 min Scan# 397
Delta R.T. -0.037 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 54 Resp: 10144

Ion	Ratio	Lower	Upper
54	100		
53	97.0	50.6	94.0#
51	51.2	22.3	41.5#
39	273.1	78.1	145.1#

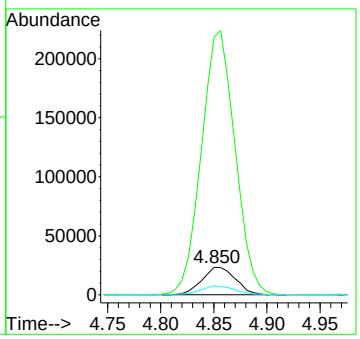


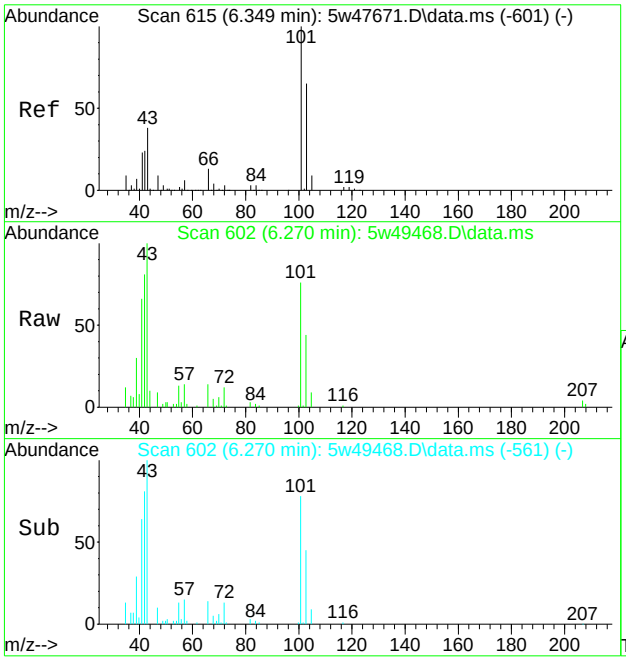


#12
n-Butane
Concen: 13.66 ppb(v)
RT: 4.850 min Scan# 370
Delta R.T. -0.037 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 58 Resp: 51035

Ion	Ratio	Lower	Upper
58	100		
43	936.0	653.7	1213.9
44	33.2	23.2	43.0

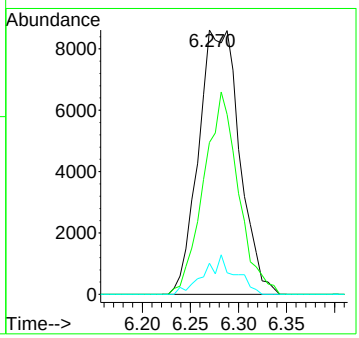


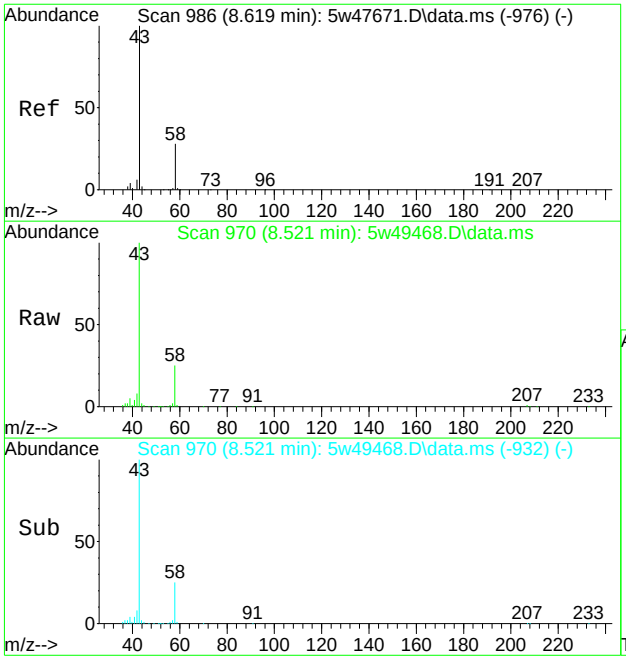


#21
Trichlorofluoromethane
Concen: 0.33 ppb(v)
RT: 6.270 min Scan# 602
Delta R.T. -0.080 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion:101 Resp: 25589

Ion	Ratio	Lower	Upper
101	100		
103	56.4	45.6	84.8
105	11.6	7.4	13.8

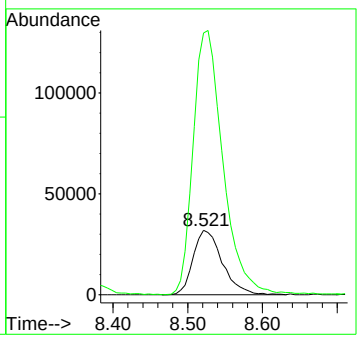


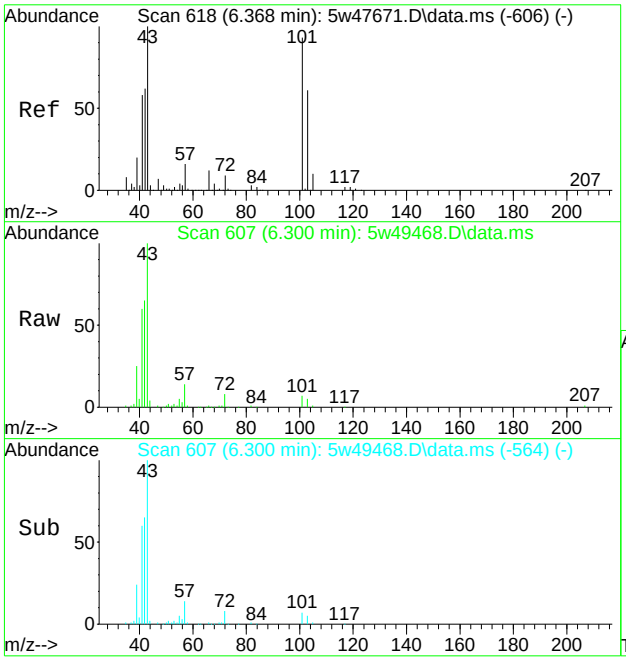


#22
Acetone
Concen: 8.27 ppb(v)
RT: 8.521 min Scan# 970
Delta R.T. -0.098 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 58 Resp: 86892

Ion	Ratio	Lower	Upper
58	100		
43	406.6	253.0	469.8

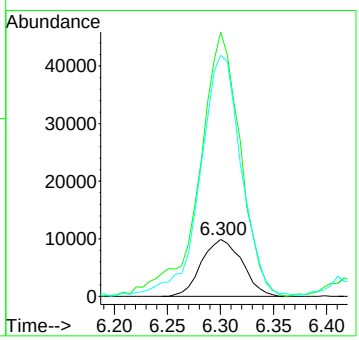


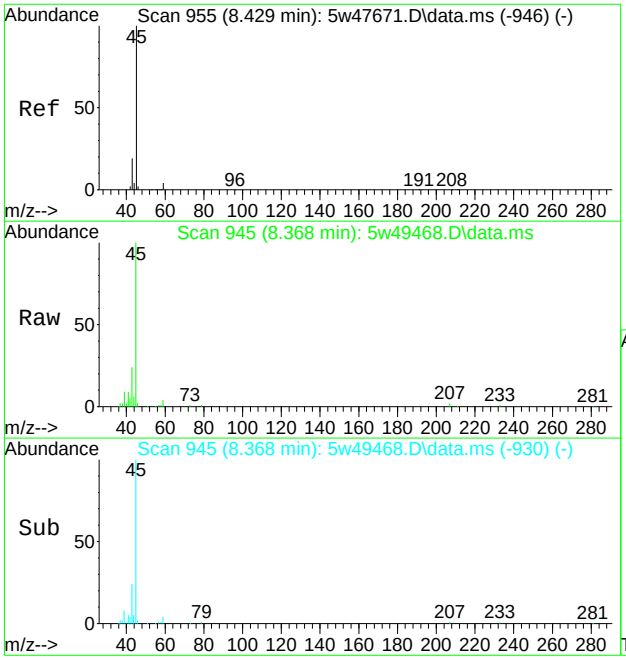


#23
Pentane
Concen: 3.87 ppb(v)
RT: 6.300 min Scan# 607
Delta R.T. -0.067 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 57 Resp: 26392

Ion	Ratio	Lower	Upper
57	100		
42	464.2	277.7	515.7
41	423.0	257.1	477.5

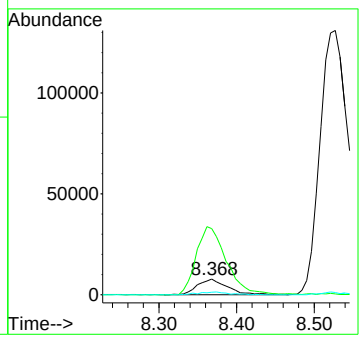


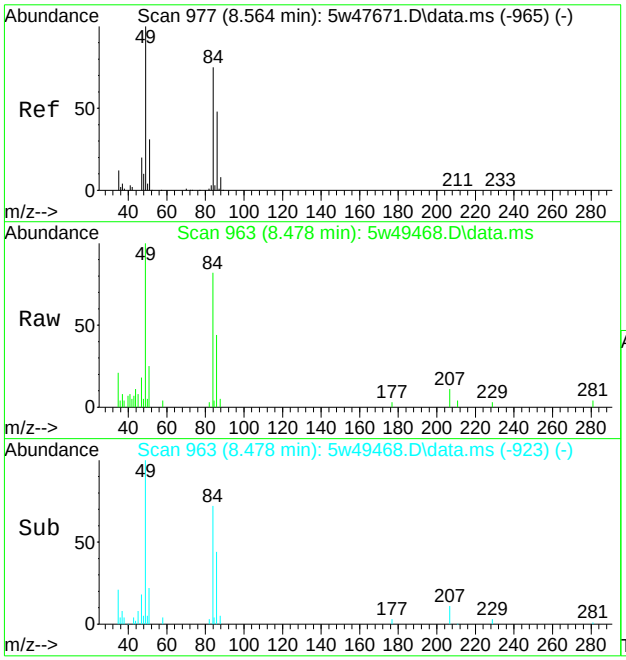


#25
Isopropyl Alcohol
Concen: 2.34 ppb(v)
RT: 8.368 min Scan# 945
Delta R.T. -0.061 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 43 Resp: 21041

Ion	Ratio	Lower	Upper
43	100		
45	429.7	367.4	682.2
59	16.5	13.7	25.5

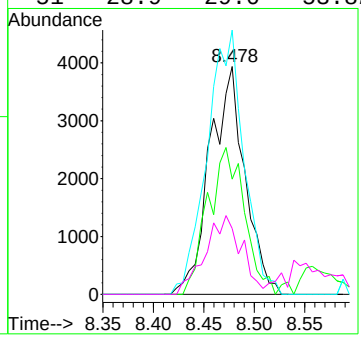


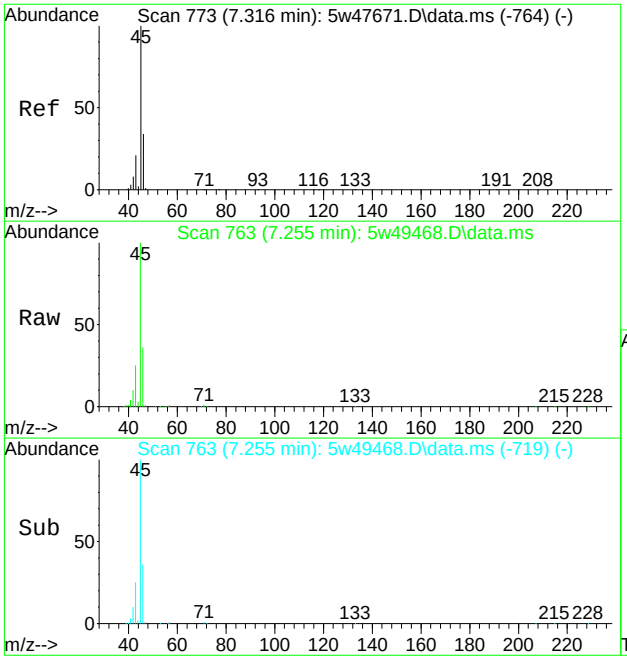


#28
Methylene Chloride
Concen: 0.38 ppb(v)
RT: 8.478 min Scan# 963
Delta R.T. -0.086 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 84 Resp: 9519

Ion	Ratio	Lower	Upper
84	100		
86	50.5	44.8	83.2
49	116.0	93.5	173.7
51	28.9	29.0	53.8#

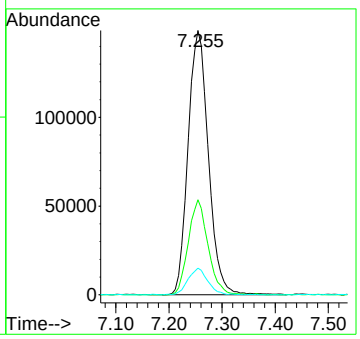


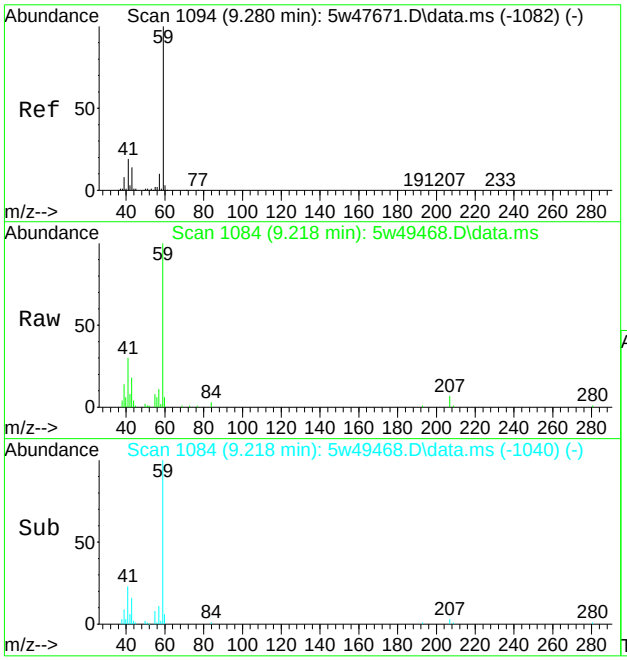


#30
Ethanol
Concen: 40.19 ppb(v)
RT: 7.255 min Scan# 763
Delta R.T. -0.061 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 45 Resp: 397380

Ion	Ratio	Lower	Upper
45	100		
46	35.9	23.9	44.5
42	10.1	5.9	11.1

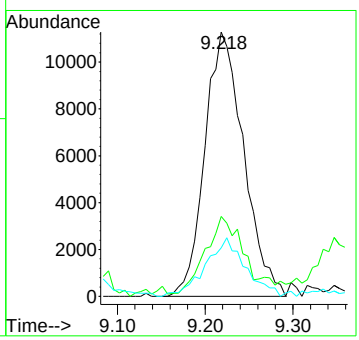


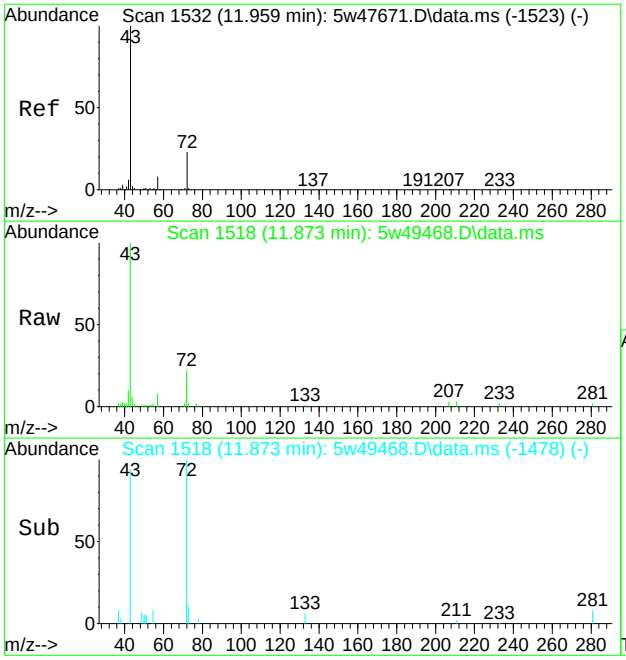


#34
tert-Butyl Alcohol
Concen: 0.58 ppb(v)
RT: 9.218 min Scan# 1084
Delta R.T. -0.061 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 59 Resp: 34698

Ion	Ratio	Lower	Upper
59	100		
41	28.5	13.8	25.6#
43	17.3	10.3	19.1

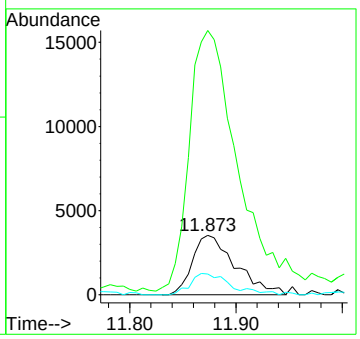


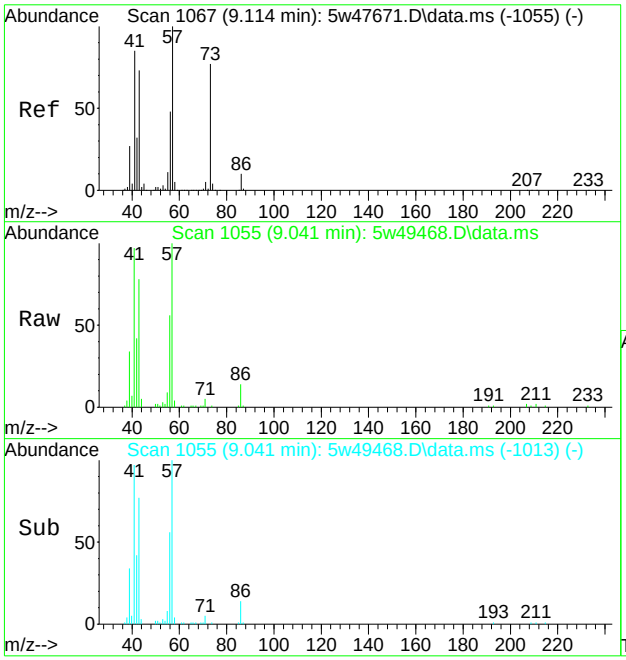


#38
2-Butanone
Concen: 0.91 ppb(v)
RT: 11.873 min Scan# 1518
Delta R.T. -0.086 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 72 Resp: 9945

Ion	Ratio	Lower	Upper
72	100		
43	403.4	305.1	566.7
57	31.8	23.1	42.9

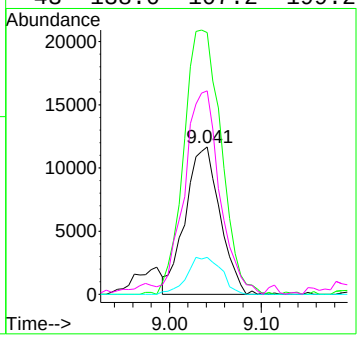


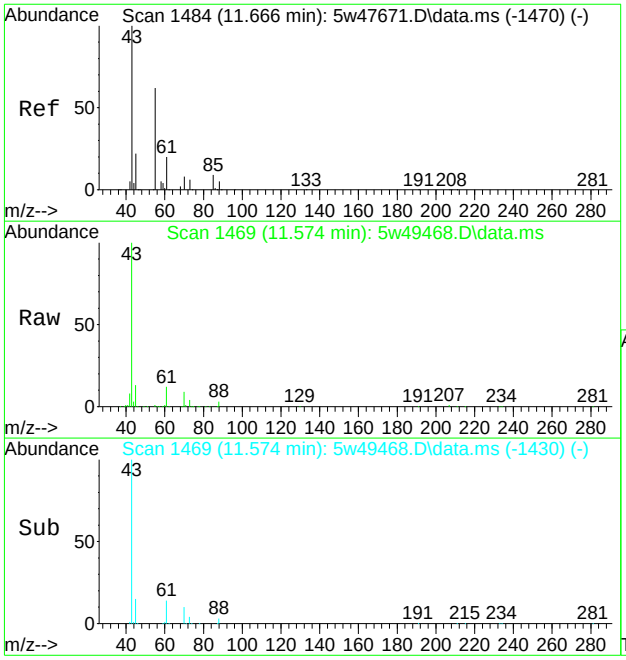


#39
Hexane
Concen: 1.31 ppb(v)
RT: 9.041 min Scan# 1055
Delta R.T. -0.073 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 56 Resp: 30689

Ion	Ratio	Lower	Upper
56	100		
57	177.6	147.0	273.0
86	25.1	15.3	28.3
43	138.0	107.2	199.2

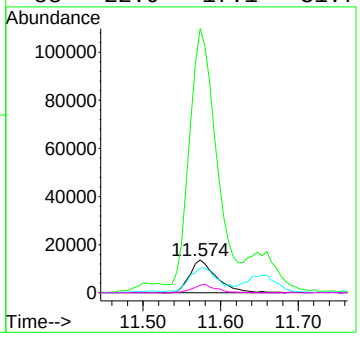


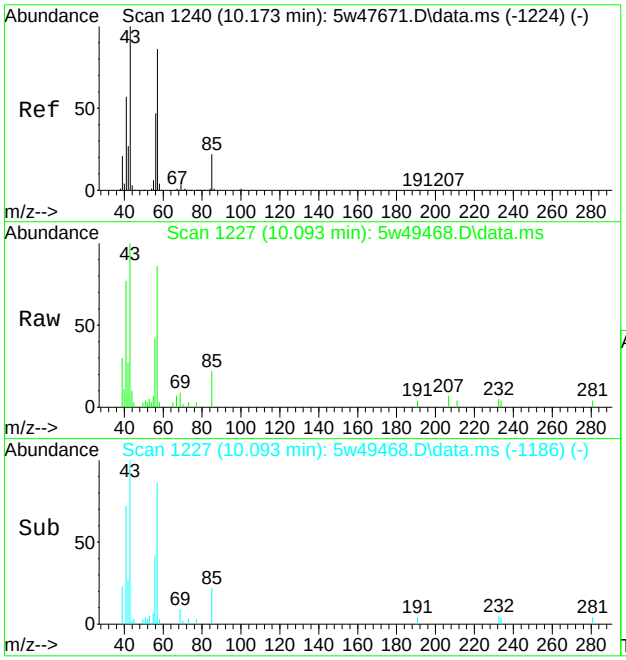


#42
Ethyl Acetate
Concen: 4.26 ppb(v)
RT: 11.574 min Scan# 1469
Delta R.T. -0.092 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 61 Resp: 33154

Ion	Ratio	Lower	Upper
61	100		
43	803.8	509.8	946.8
70	75.0	55.2	102.6
88	22.9	17.1	31.7

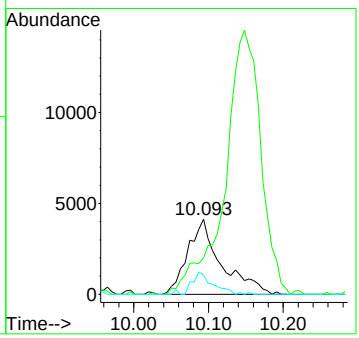


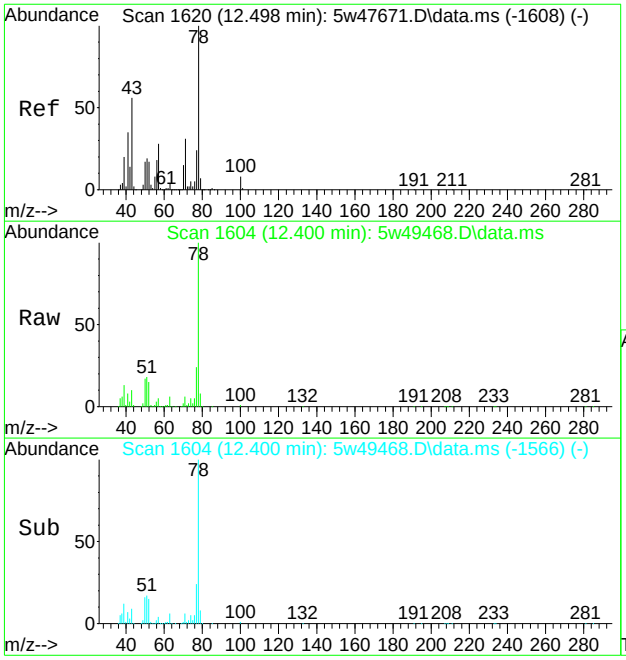


#45
2,4-Dimethylpentane
Concen: 0.25 ppb(v)
RT: 10.093 min Scan# 1227
Delta R.T. -0.080 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 57 Resp: 12901

Ion	Ratio	Lower	Upper
57	100		
56	48.5	38.6	71.8
85	25.6	18.0	33.4

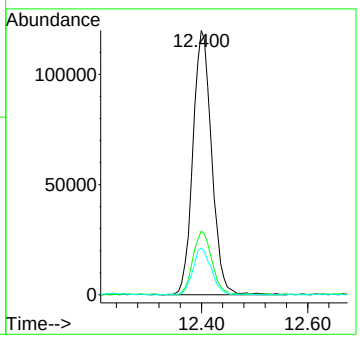


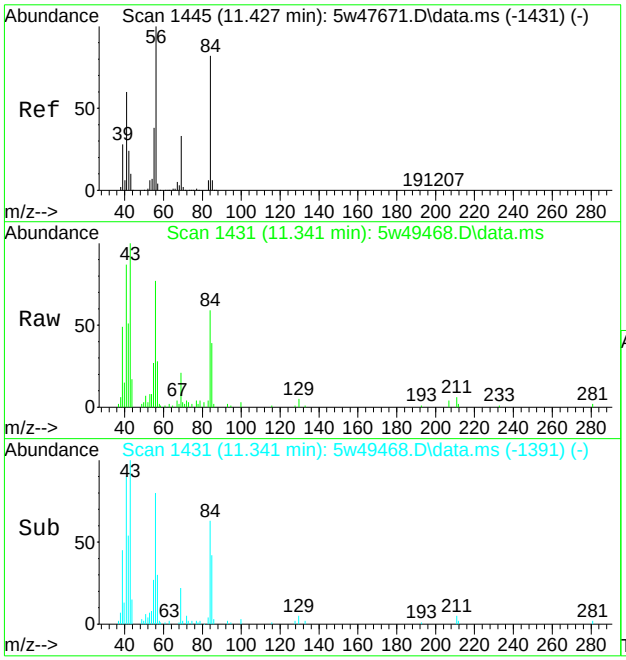


#49
Benzene
Concen: 3.45 ppb(v)
RT: 12.400 min Scan# 1604
Delta R.T. -0.098 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 78 Resp: 294771

Ion	Ratio	Lower	Upper
78	100		
77	24.2	16.9	31.5
51	17.7	13.2	24.4

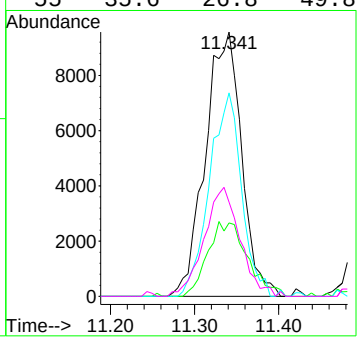


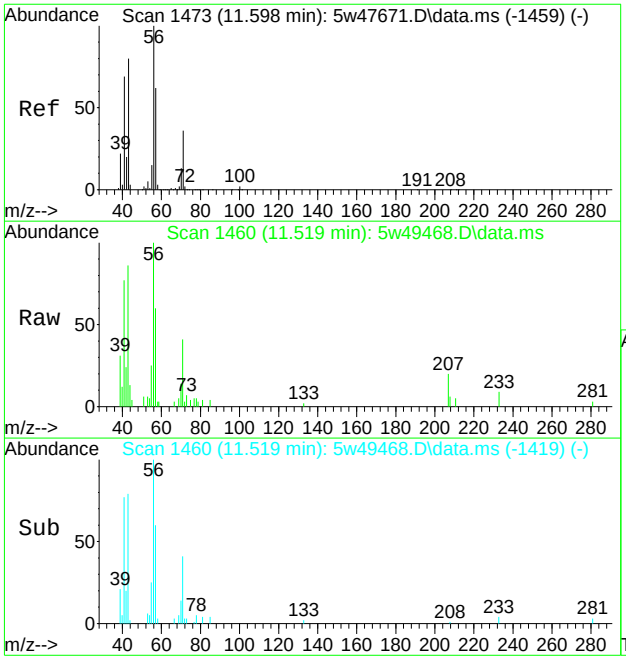


#51
Cyclohexane
Concen: 0.69 ppb(v)
RT: 11.341 min Scan# 1431
Delta R.T. -0.086 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 56 Resp: 28619

Ion	Ratio	Lower	Upper
56	100		
69	27.8	22.7	42.3
84	76.9	57.4	106.6
55	35.6	26.8	49.8

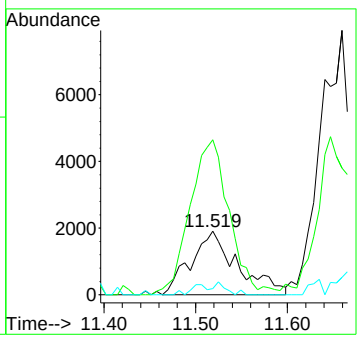


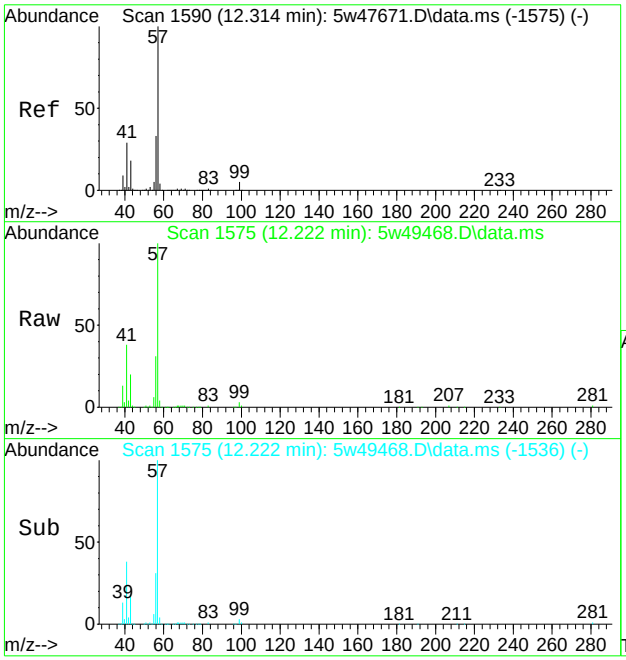


#52
2,3-Dimethylpentane
Concen: 0.36 ppb(v)
RT: 11.519 min Scan# 1460
Delta R.T. -0.080 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 71 Resp: 6750

Ion	Ratio	Lower	Upper
71	100		
56	243.9	193.4	359.2
85	10.0	11.3	21.1#

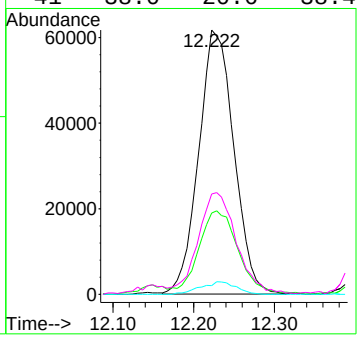


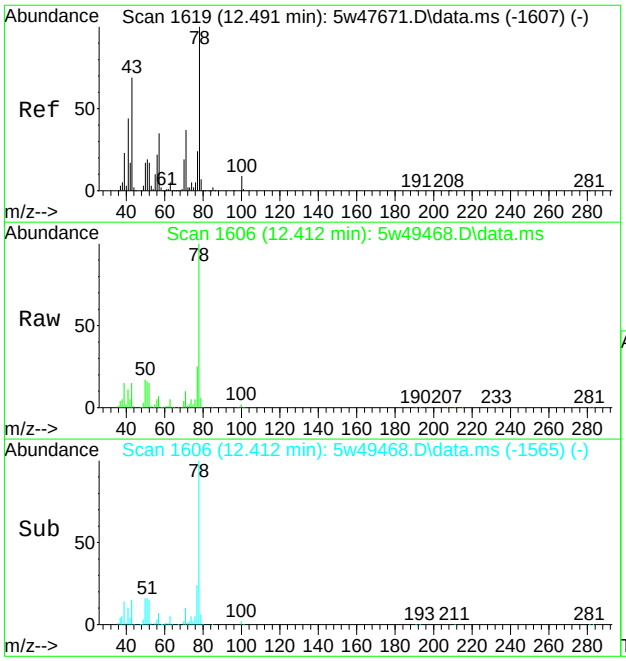


#54
2,2,4-Trimethylpentane
Concen: 1.48 ppb(v)
RT: 12.222 min Scan# 1575
Delta R.T. -0.092 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 57 Resp: 186616

Ion	Ratio	Lower	Upper
57	100		
56	30.7	23.2	43.0
99	3.3	3.2	6.0
41	38.0	20.6	38.4

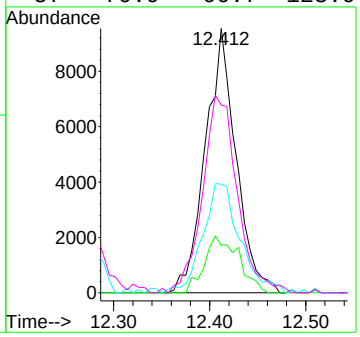


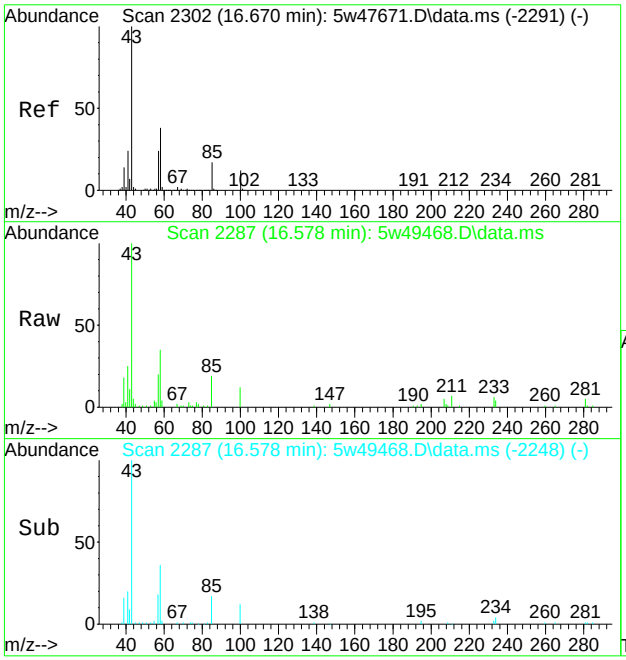


#55
Heptane
Concen: 0.85 ppb(v)
RT: 12.412 min Scan# 1606
Delta R.T. -0.080 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 71 Resp: 21329

Ion	Ratio	Lower	Upper
71	100		
100	17.9	16.7	31.1
70	41.1	35.4	65.8
57	70.9	66.7	123.9

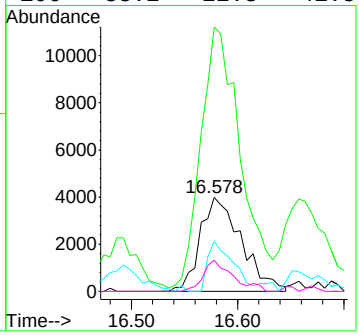


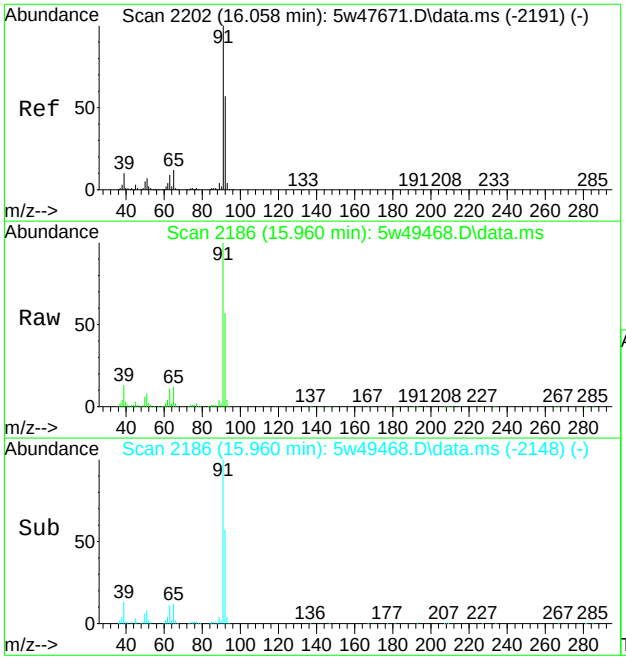


#64
4-Methyl-2-pentanone
Concen: 0.45 ppb(v)
RT: 16.578 min Scan# 2287
Delta R.T. -0.092 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 58 Resp: 10750

Ion	Ratio	Lower	Upper
58	100		
43	281.9	183.3	340.3
85	53.2	31.4	58.2
100	33.2	22.3	41.5

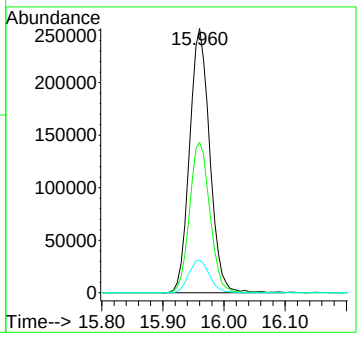


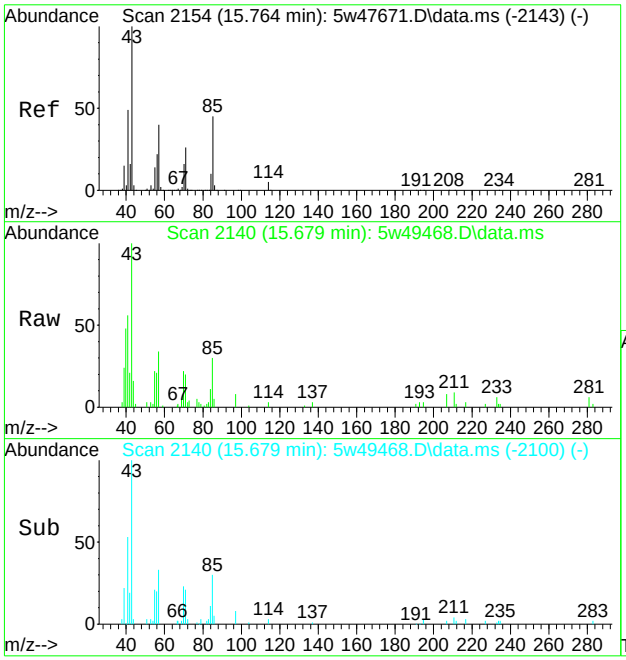


#66
Toluene
Concen: 5.82 ppb(v)
RT: 15.960 min Scan# 2186
Delta R.T. -0.098 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 91 Resp: 576482

Ion	Ratio	Lower	Upper
91	100		
92	57.0	39.8	74.0
65	12.4	8.6	16.0

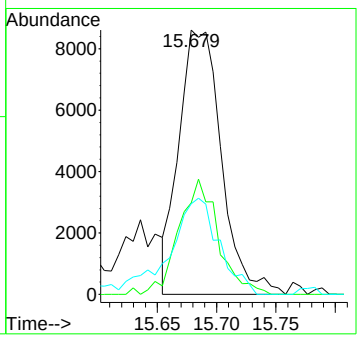


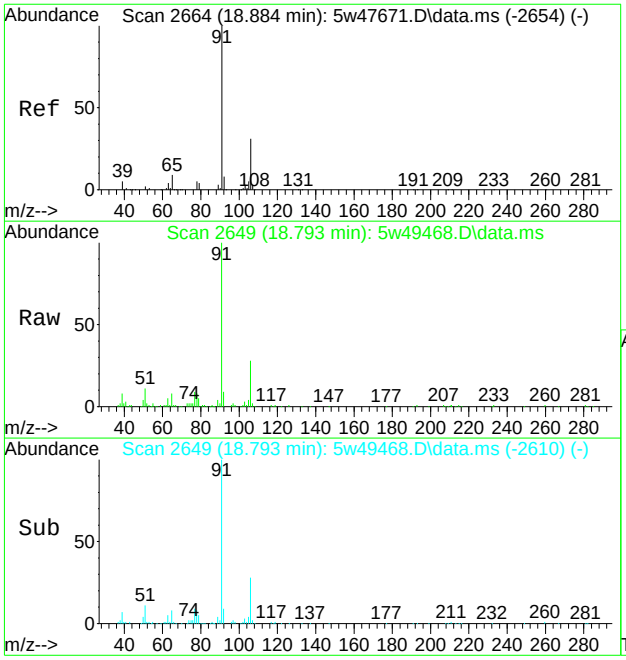


#74
Octane
Concen: 0.36 ppb(v)
RT: 15.679 min Scan# 2140
Delta R.T. -0.085 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 43 Resp: 21413

Ion	Ratio	Lower	Upper
43	100		
85	29.9	31.1	57.9#
57	29.6	27.8	51.6

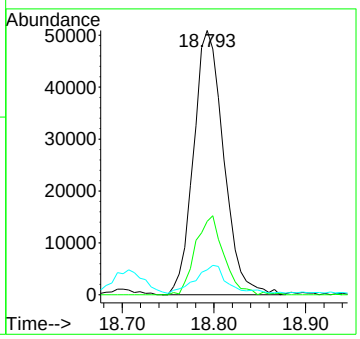


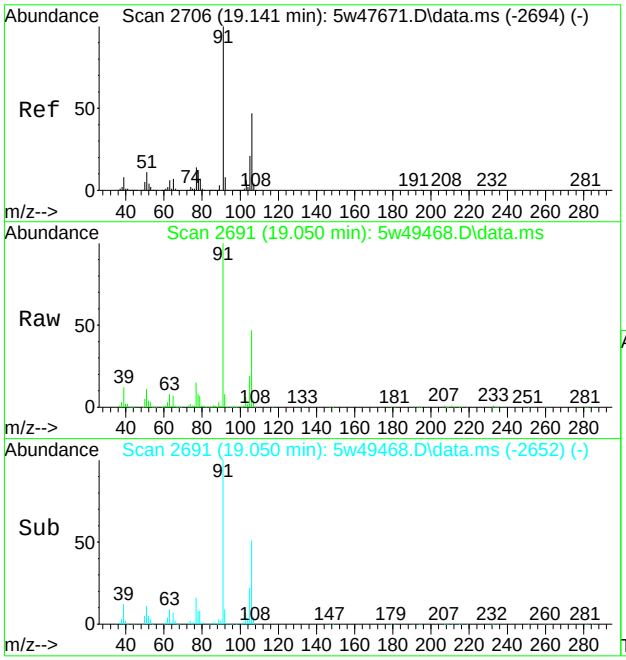


#78
Ethylbenzene
Concen: 0.97 ppb(v)
RT: 18.793 min Scan# 2649
Delta R.T. -0.092 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 91 Resp: 116351

Ion	Ratio	Lower	Upper
91	100		
106	27.8	21.4	39.8
77	9.5	6.6	12.2

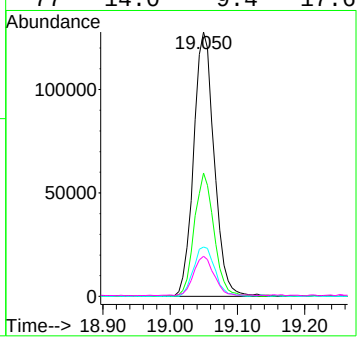


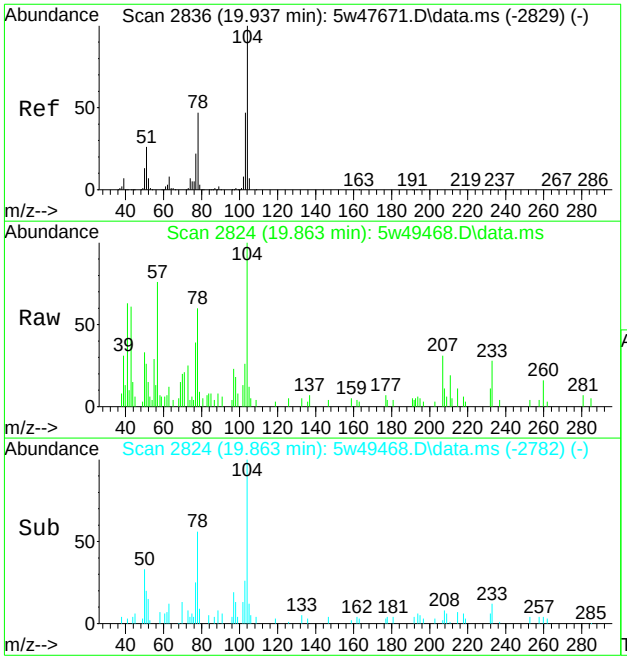


#79
m,p-Xylene
Concen: 3.02 ppb(v)
RT: 19.050 min Scan# 2691
Delta R.T. -0.092 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 91 Resp: 272319

Ion	Ratio	Lower	Upper
91	100		
106	43.1	32.6	60.5
105	17.3	14.5	26.9
77	14.0	9.4	17.6

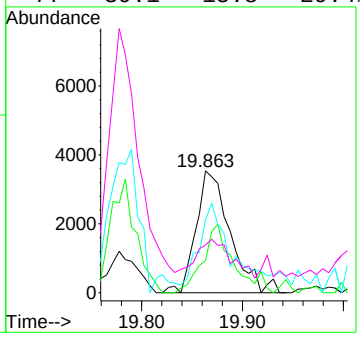


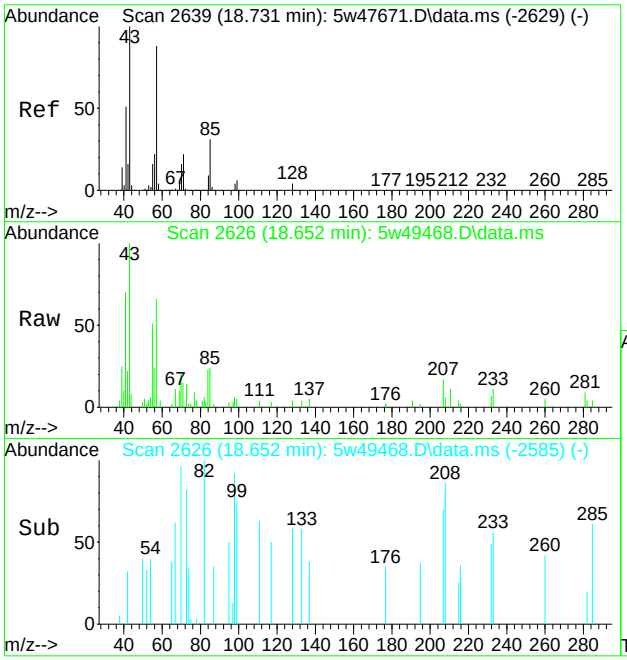


#80
Styrene
Concen: 0.13 ppb(v)
RT: 19.863 min Scan# 2824
Delta R.T. -0.073 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion:104 Resp: 8323

Ion	Ratio	Lower	Upper
104	100		
103	26.4	33.2	61.6#
78	68.5	33.5	62.3#
77	39.1	15.8	29.4#

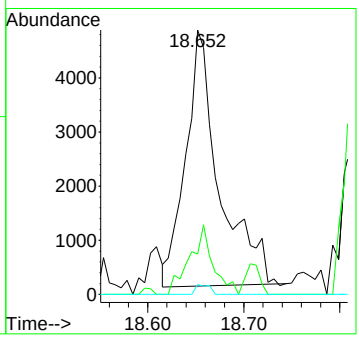


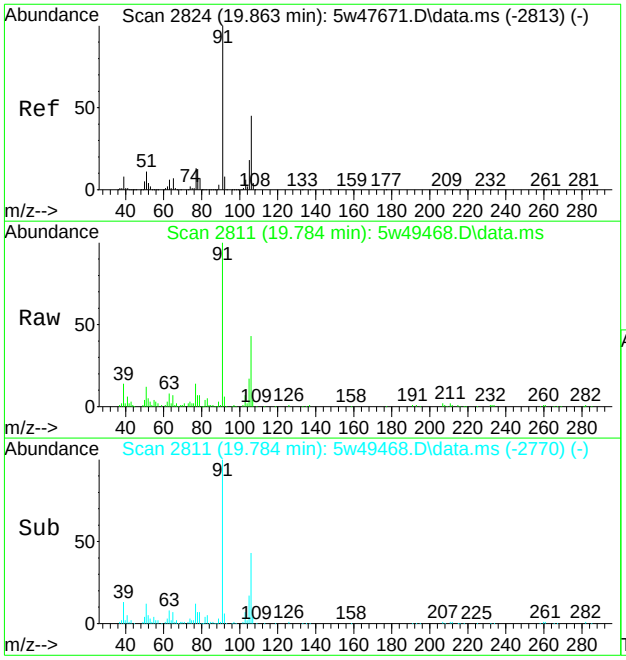


#81
Nonane
Concen: 0.19 ppb(v)
RT: 18.652 min Scan# 2626
Delta R.T. -0.080 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 43 Resp: 11531

Ion	Ratio	Lower	Upper
43	100		
71	14.2	15.5	28.7#
128	3.5	2.9	5.5

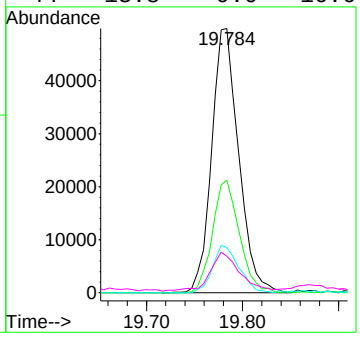


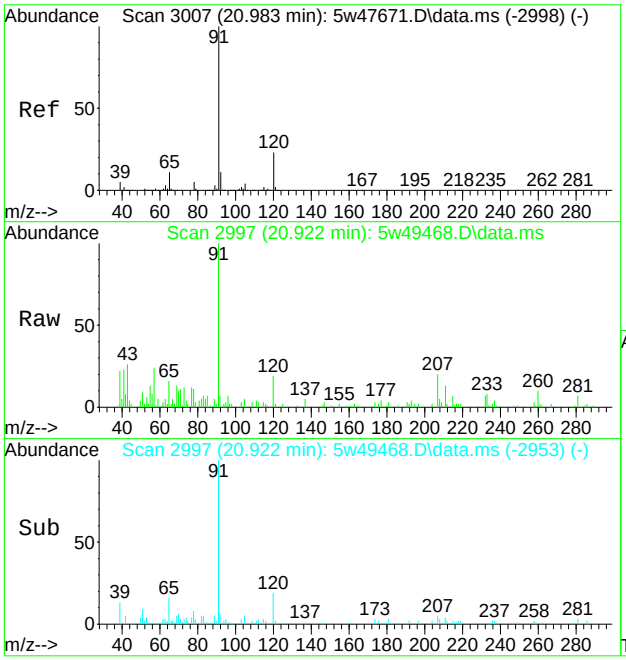


#82
o-Xylene
Concen: 1.02 ppb(v)
RT: 19.784 min Scan# 2811
Delta R.T. -0.080 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion: 91 Resp: 98060

Ion	Ratio	Lower	Upper
91	100		
106	42.7	31.6	58.6
105	17.1	12.4	23.0
77	13.8	9.0	16.6

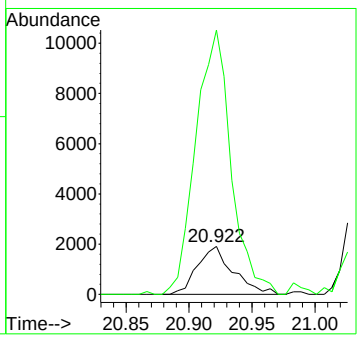


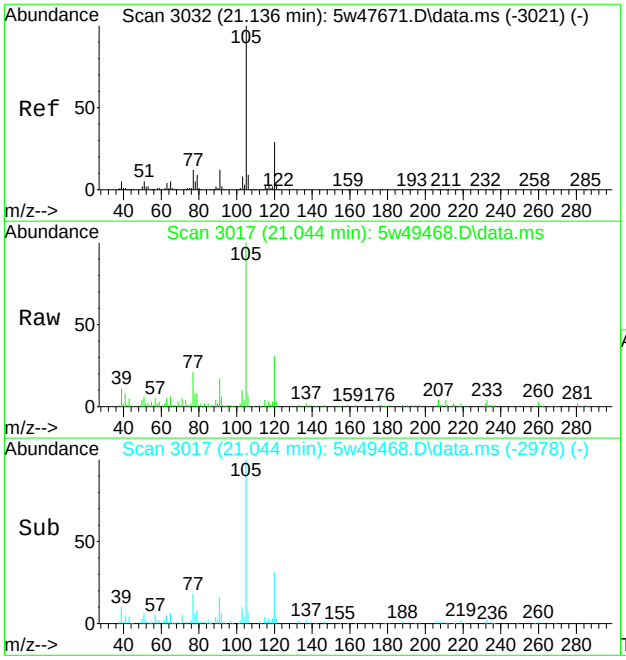


#89
n-Propylbenzene
Concen: 0.12 ppb(v)
RT: 20.922 min Scan# 2997
Delta R.T. -0.061 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion:120 Resp: 3763

Ion	Ratio	Lower	Upper
120	100		
91	552.2	310.3	576.3

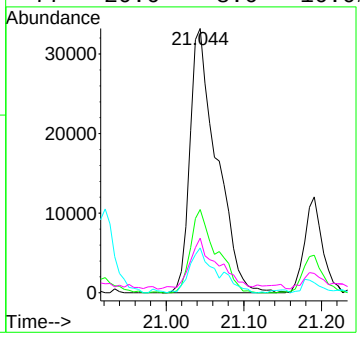


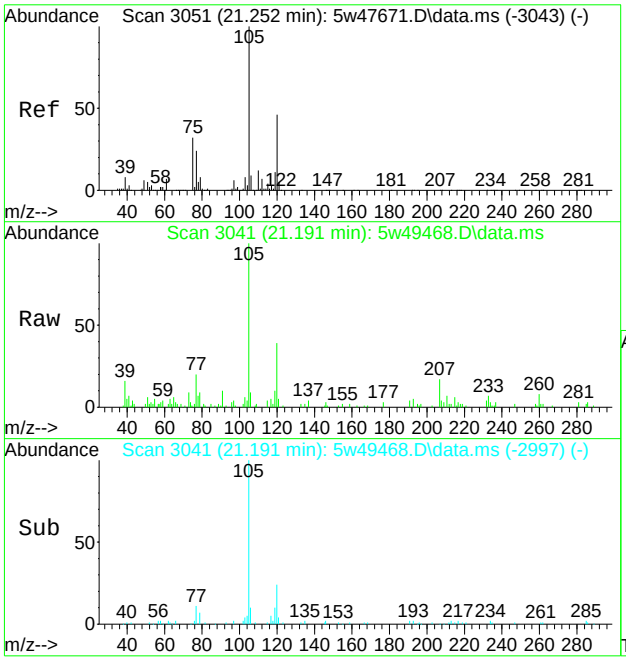


#91
4-Ethyltoluene
Concen: 0.69 ppb(v)
RT: 21.044 min Scan# 3017
Delta R.T. -0.092 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion:105 Resp: 79265

Ion	Ratio	Lower	Upper
105	100		
120	31.5	20.5	38.1
91	22.7	8.2	15.2#
77	20.6	8.6	16.0#

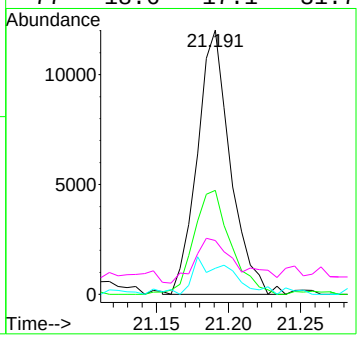


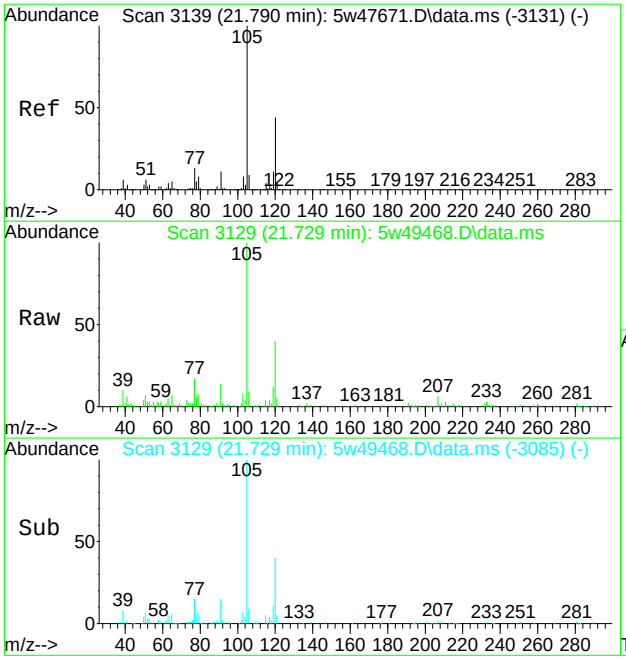


#92
1,3,5-Trimethylbenzene
Concen: 0.20 ppb(v)
RT: 21.191 min Scan# 3041
Delta R.T. -0.061 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion:105 Resp: 19217

Ion	Ratio	Lower	Upper
105	100		
120	40.5	32.3	59.9
119	9.0	7.9	14.7
77	18.6	17.1	31.7

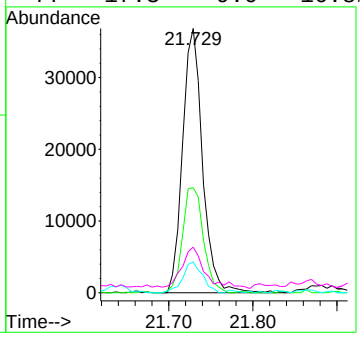


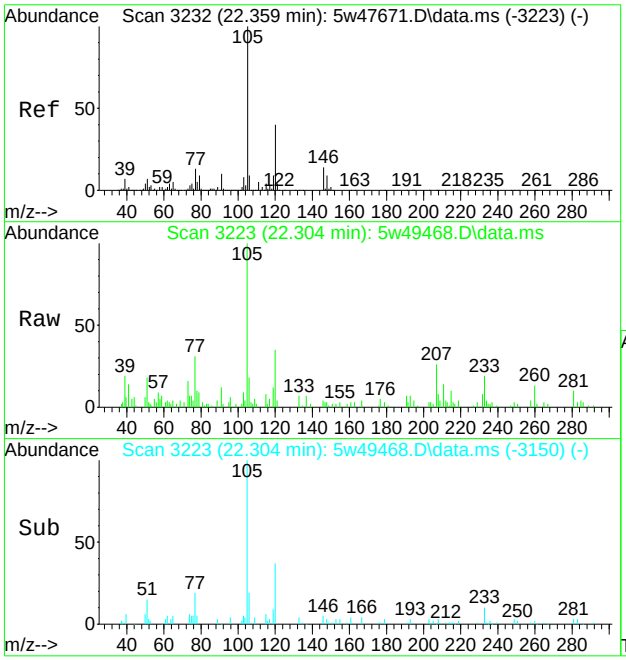


#95
1,2,4-Trimethylbenzene
Concen: 0.65 ppb(v)
RT: 21.729 min Scan# 3129
Delta R.T. -0.061 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion:105 Resp: 60724

Ion	Ratio	Lower	Upper
105	100		
120	39.8	30.7	57.1
119	11.7	8.0	14.8
77	17.3	9.0	16.8#

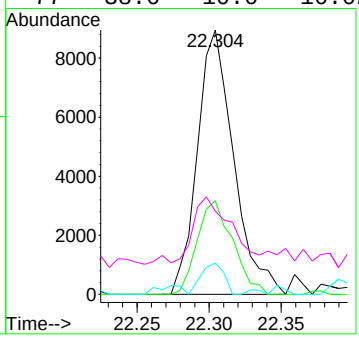




#97
1,2,3-trimethylbenzene
Concen: 0.18 ppb(v)
RT: 22.304 min Scan# 3223
Delta R.T. -0.055 min
Lab File: 5w49468.D
Acq: 23 Apr 2022 9:10 pm

Tgt Ion:105 Resp: 15715

Ion	Ratio	Lower	Upper
105	100		
120	34.6	33.1	49.7
91	7.4	8.4	12.6#
77	38.6	10.6	16.0#



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 12:24

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49474.D
Acq On : 24 Apr 2022 2:22 am
Operator : thomash
Sample : jd41994-5
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 25 10:38:54 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

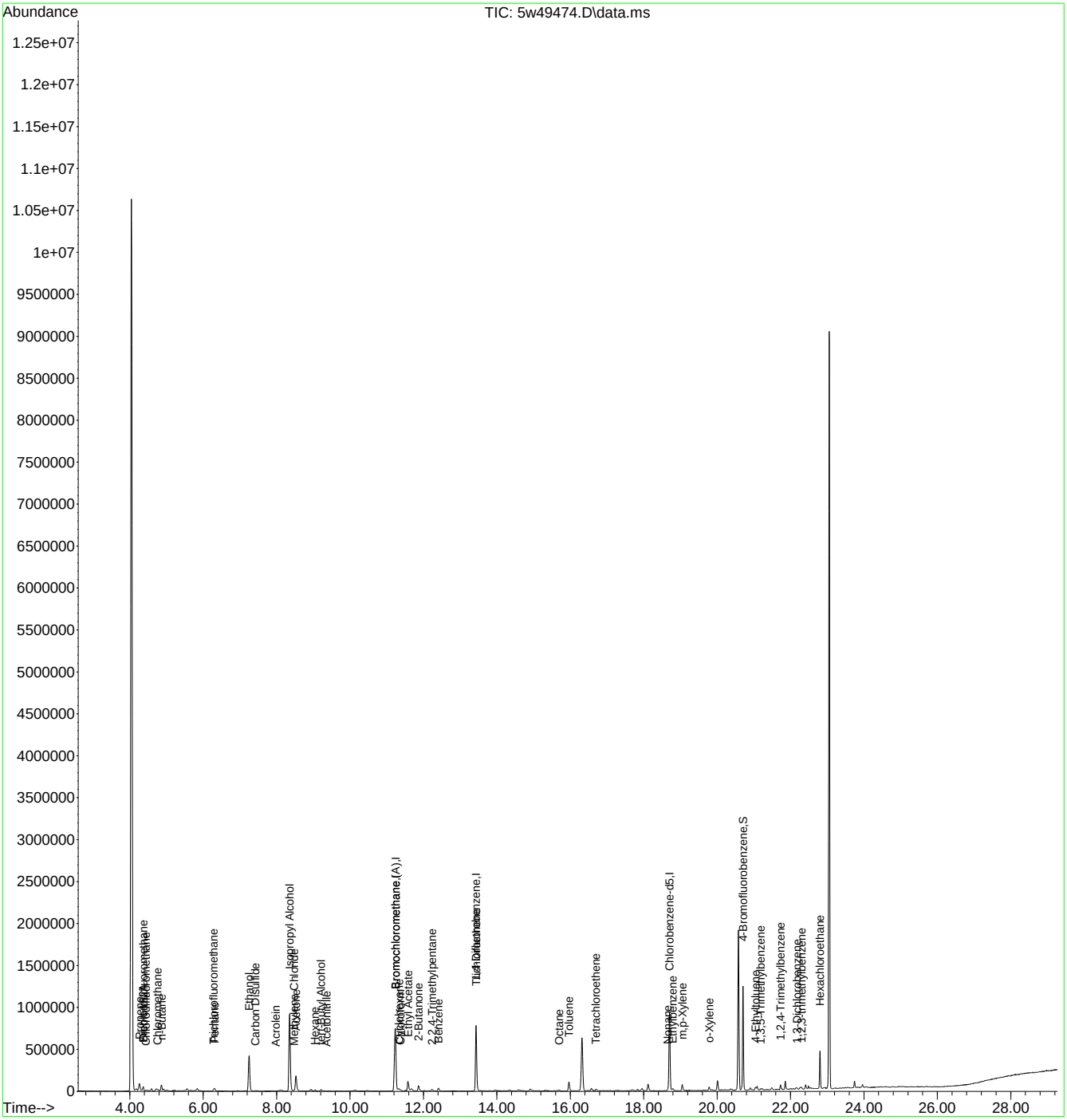
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.243	130	193336	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.433	114	696706	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.701	82	341765	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.243	130	193336	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.707	95	355345	8.23	ppb(v	-0.07
Spiked Amount 10.000	Range 65 - 128		Recovery = 82.30%			
Target Compounds						Qvalue
2) Freon 152A	4.373	65	2630	0.21	ppb(v#	79
3) Chlorodifluoromethane	4.434	67	2232	0.32	ppb(v#	33
4) Propene	4.269	41	16925	1.06	ppb(v	83
6) Dichlorodifluoromethane	4.367	85	39429	0.52	ppb(v	97
8) Chloromethane	4.759	50	14932	0.73	ppb(v	98
12) n-Butane	4.869	58	5321	1.78	ppb(v	97
16) Acetonitrile	9.359	41	2647	0.16	ppb(v#	61
20) Acrolein	7.976	56	2431	0.28	ppb(v#	39
21) Trichlorofluoromethane	6.288	101	17428	0.28	ppb(v	97
22) Acetone	8.527	58	75529	8.97	ppb(v	66
23) Pentane	6.312	57	2499	0.46	ppb(v	92
25) Isopropyl Alcohol	8.356	43	325936	45.22	ppb(v	74
28) Methylene Chloride	8.478	84	4425	0.22	ppb(v	93
29) Carbon Disulfide	7.420	76	7775	0.12	ppb(v	98
30) Ethanol	7.255	45	656212	82.87	ppb(v	98
34) tert-Butyl Alcohol	9.206	59	29224	0.61	ppb(v#	88
38) 2-Butanone	11.867	72	21459	2.45	ppb(v	79
39) Hexane	9.047	56	3832	0.20	ppb(v#	79
42) Ethyl Acetate	11.580	61	22391	3.59	ppb(v	68
44) Chloroform	11.378	83	7883	0.14	ppb(v	97
49) Benzene	12.412	78	30686	0.45	ppb(v#	1
51) Cyclohexane	11.341	56	5253	0.16	ppb(v#	80
54) 2,2,4-Trimethylpentane	12.234	57	21963	0.22	ppb(v#	79
56) Trichloroethene	13.440	97	1074m	0.05	ppb(v	
66) Toluene	15.966	91	96722	1.22	ppb(v	98
72) Tetrachloroethene	16.700	166	6334	0.15	ppb(v	86
74) Octane	15.697	43	7685	0.16	ppb(v	87
78) Ethylbenzene	18.793	91	19606	0.19	ppb(v#	85
79) m,p-Xylene	19.056	91	52227	0.69	ppb(v	94
81) Nonane	18.652	43	10886	0.21	ppb(v#	86
82) o-Xylene	19.790	91	23199	0.29	ppb(v	86
91) 4-Ethyltoluene	21.050	105	28589	0.30	ppb(v#	95
92) 1,3,5-Trimethylbenzene	21.185	105	9356	0.12	ppb(v	84
95) 1,2,4-Trimethylbenzene	21.729	105	31621	0.40	ppb(v#	92
96) 1,3-Dichlorobenzene	22.176	146	3314m	0.07	ppb(v	
97) 1,2,3-trimethylbenzene	22.304	105	10977	0.15	ppb(v#	64
104) Hexachloroethane	22.806	201	67305	2.24	ppb(v	98

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

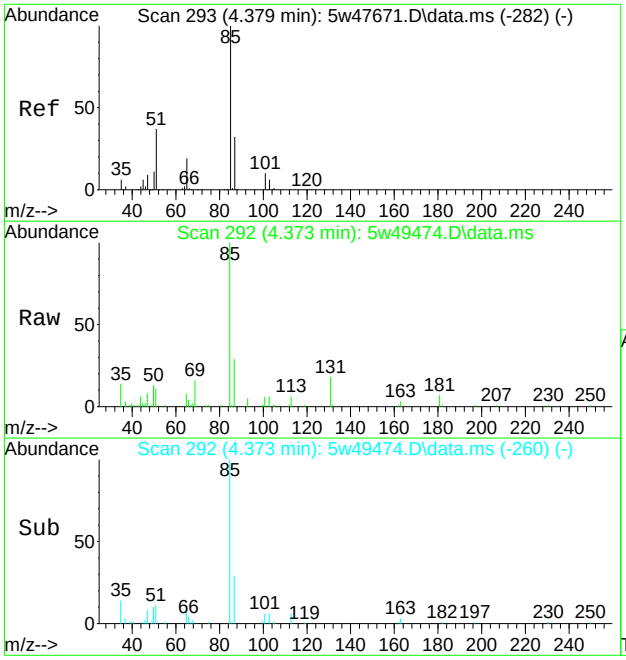
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49474.D
Acq On : 24 Apr 2022 2:22 am
Operator : thomash
Sample : jd41994-5
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 25 10:38:54 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration



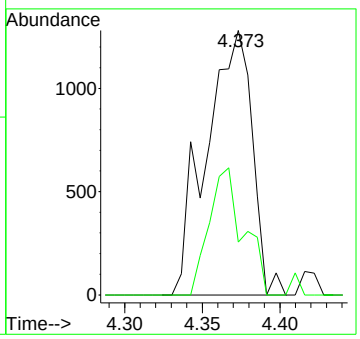
m5w1969.M Mon Apr 25 10:55:19 2022 Page: 2

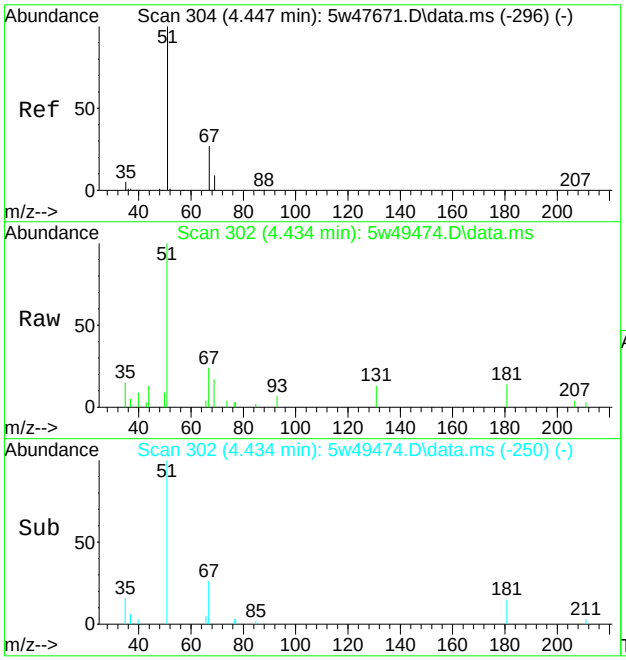


#2
Freon 152A
Concen: 0.21 ppb(v)
RT: 4.373 min Scan# 292
Delta R.T. -0.006 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 65 Resp: 2630

Ion	Ratio	Lower	Upper
65	100		
45	20.0	22.0	41.0#

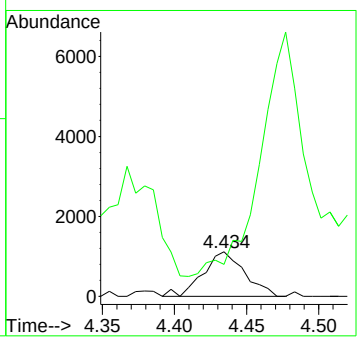


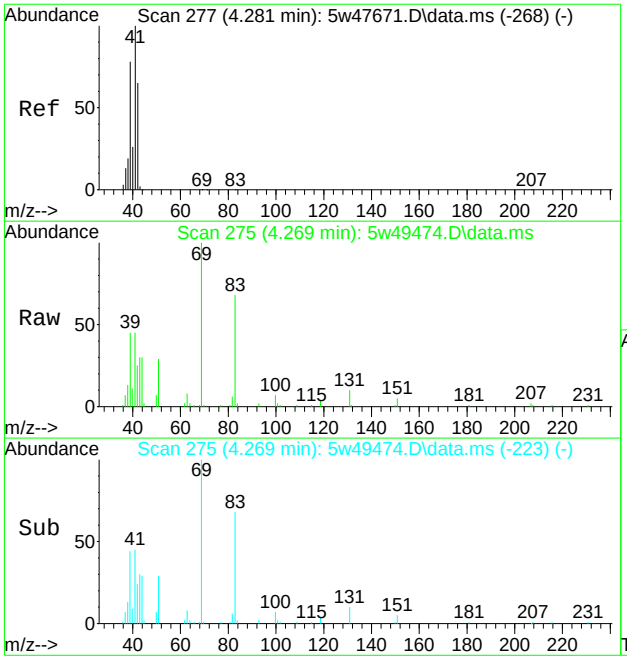


#3
Chlorodifluoromethane
Concen: 0.32 ppb(v)
RT: 4.434 min Scan# 302
Delta R.T. -0.012 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 67 Resp: 2232

Ion	Ratio	Lower	Upper
67	100		
69	72.1	23.5	43.7#

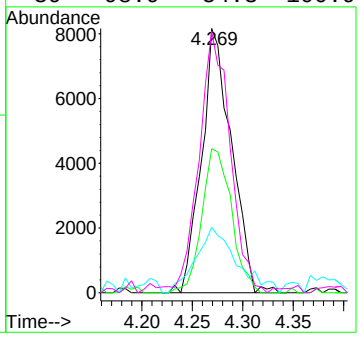


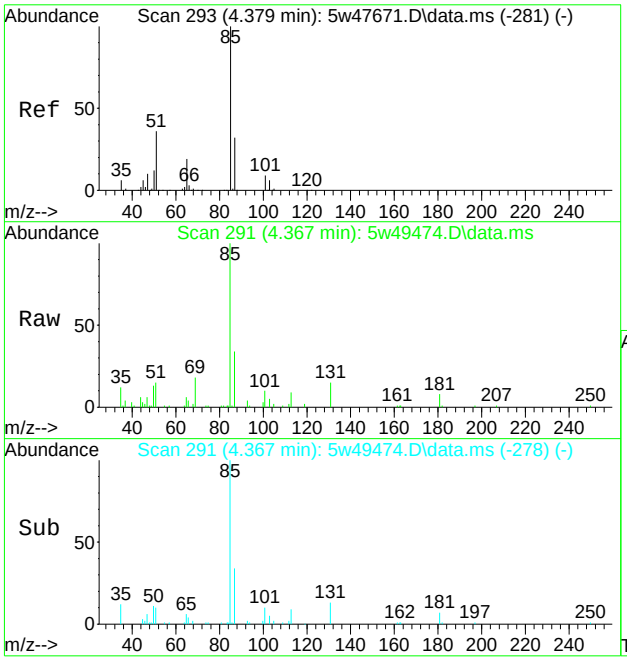


#4
Propene
Concen: 1.06 ppb(v)
RT: 4.269 min Scan# 275
Delta R.T. -0.012 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 41 Resp: 16925

Ion	Ratio	Lower	Upper
41	100		
42	54.5	45.6	84.8
40	24.9	18.4	34.2
39	98.9	54.3	100.9

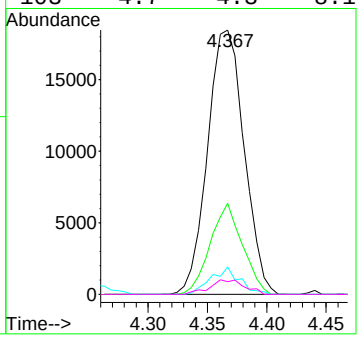


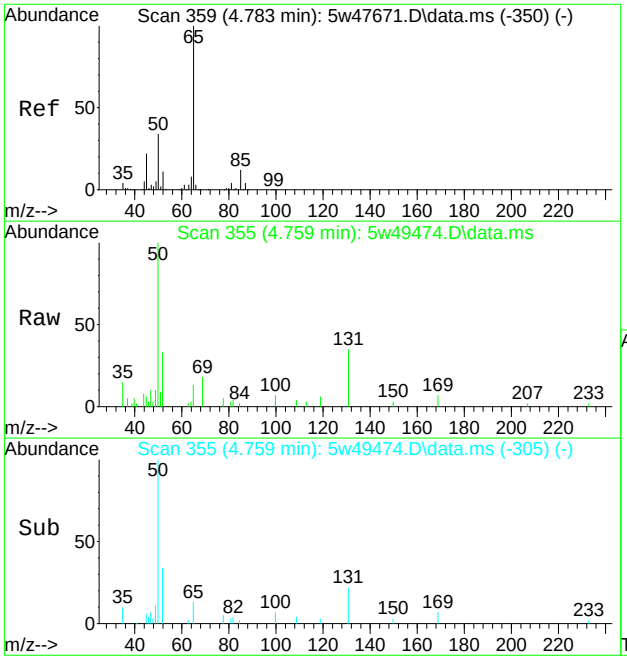


#6
Dichlorodifluoromethane
Concen: 0.52 ppb(v)
RT: 4.367 min Scan# 291
Delta R.T. -0.012 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 85 Resp: 39429

Ion	Ratio	Lower	Upper
85	100		
87	34.1	22.7	42.1
101	10.3	6.5	12.1
103	4.7	4.3	8.1

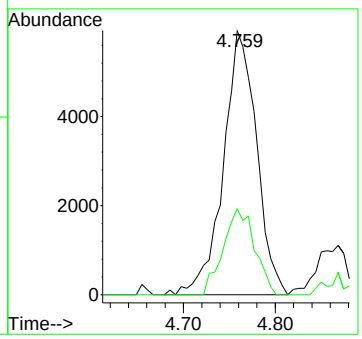


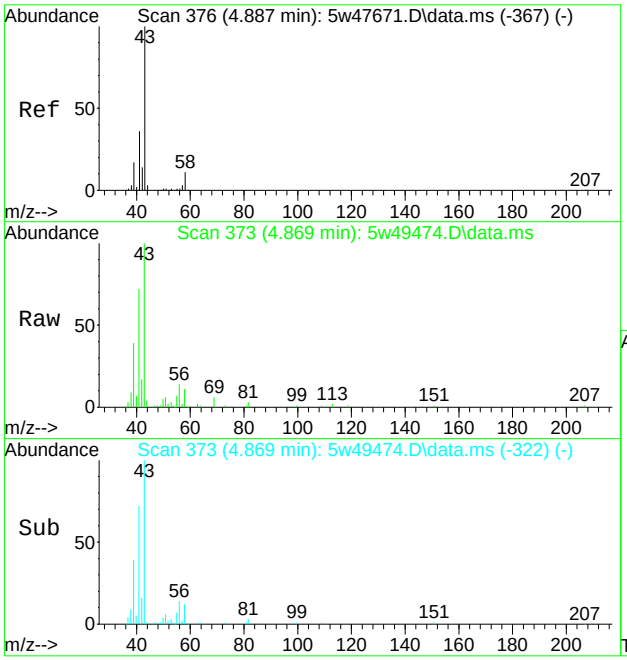


#8
Chloromethane
Concen: 0.73 ppb(v)
RT: 4.759 min Scan# 355
Delta R.T. -0.025 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 50 Resp: 14932

Ion	Ratio	Lower	Upper
50	100		
52	32.5	22.0	40.8

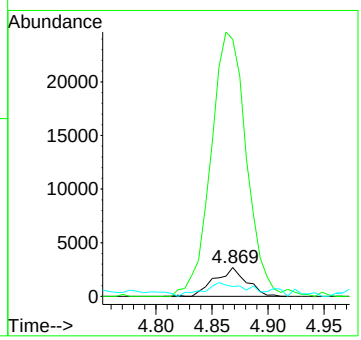


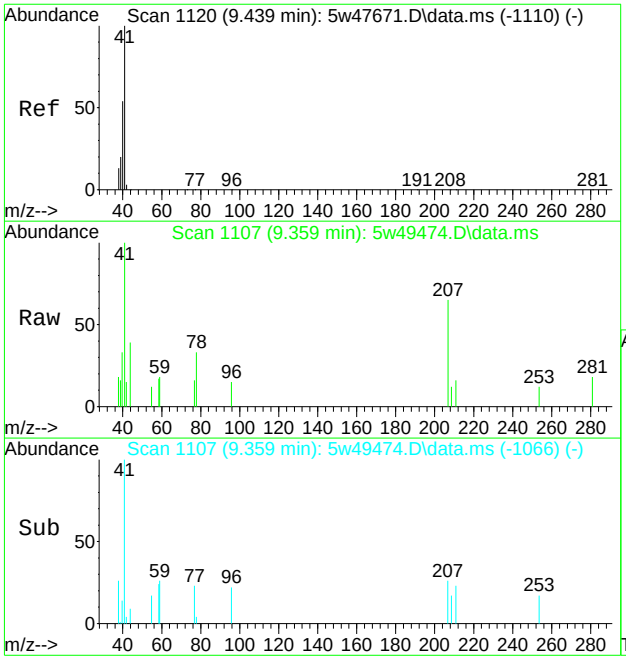


#12
n-Butane
Concen: 1.78 ppb(v)
RT: 4.869 min Scan# 373
Delta R.T. -0.018 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 58 Resp: 5321

Ion	Ratio	Lower	Upper
58	100		
43	921.1	653.7	1213.9
44	33.8	23.2	43.0

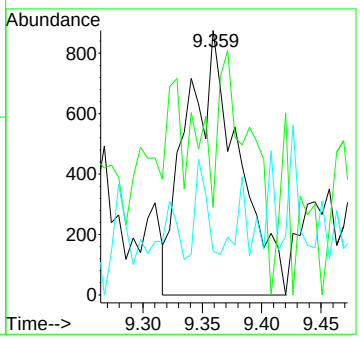


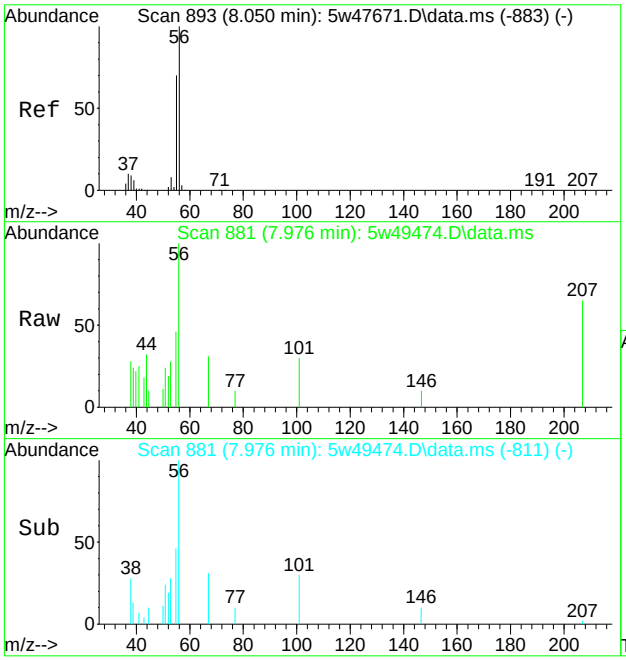


#16
Acetonitrile
Concen: 0.16 ppb(v)
RT: 9.359 min Scan# 1107
Delta R.T. -0.080 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 41 Resp: 2647

Ion	Ratio	Lower	Upper
41	100		
40	33.1	38.1	70.9#
39	49.5	14.1	26.3#

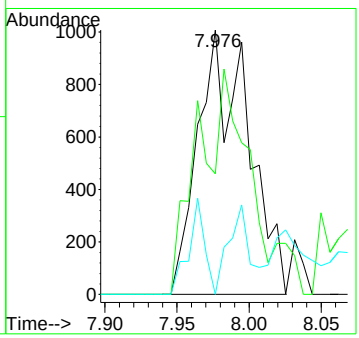


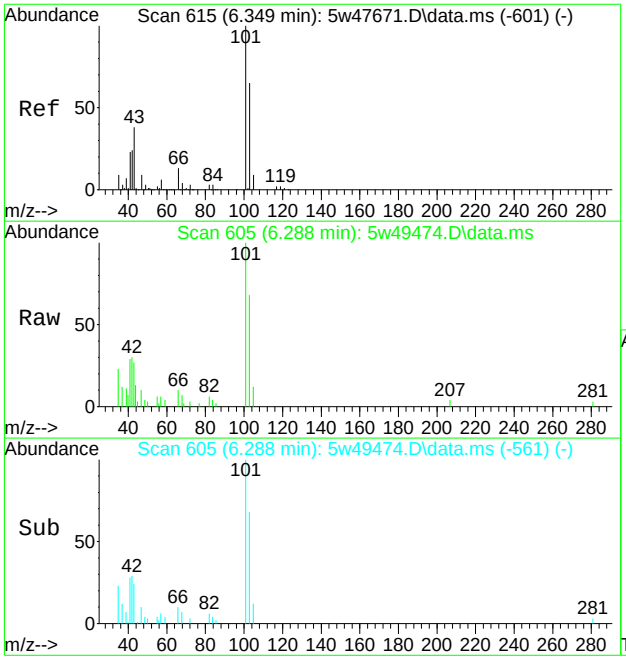


#20
Acrolein
Concen: 0.28 ppb(v)
RT: 7.976 min Scan# 881
Delta R.T. -0.073 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 56 Resp: 2431

Ion	Ratio	Lower	Upper
56	100		
55	19.0	59.9	89.9#
37	0.0	8.1	12.1#

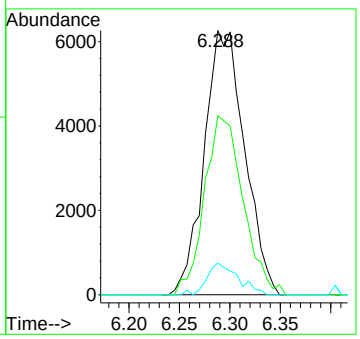


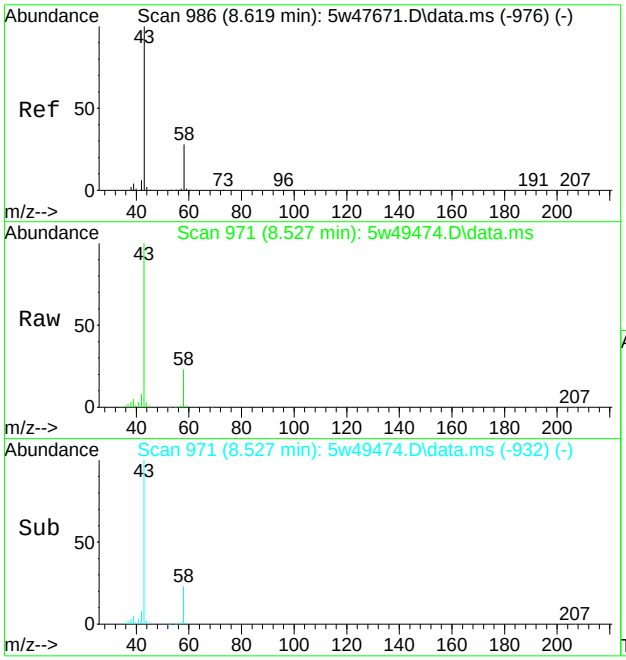


#21
Trichlorofluoromethane
Concen: 0.28 ppb(v)
RT: 6.288 min Scan# 605
Delta R.T. -0.061 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion:101 Resp: 17428

Ion	Ratio	Lower	Upper
101	100		
103	67.7	45.6	84.8
105	12.0	7.4	13.8

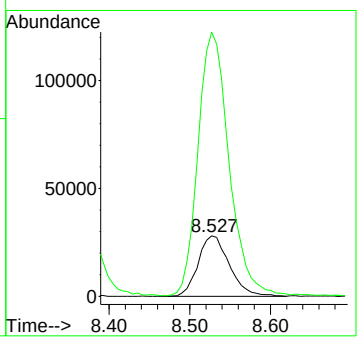


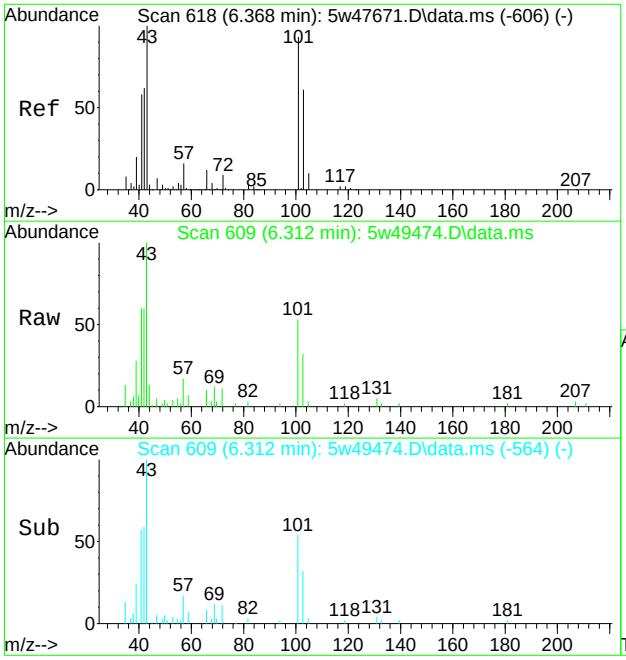


#22
Acetone
Concen: 8.97 ppb(v)
RT: 8.527 min Scan# 971
Delta R.T. -0.092 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 58 Resp: 75529

Ion	Ratio	Lower	Upper
58	100		
43	435.7	253.0	469.8

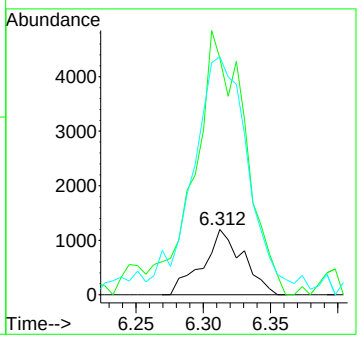


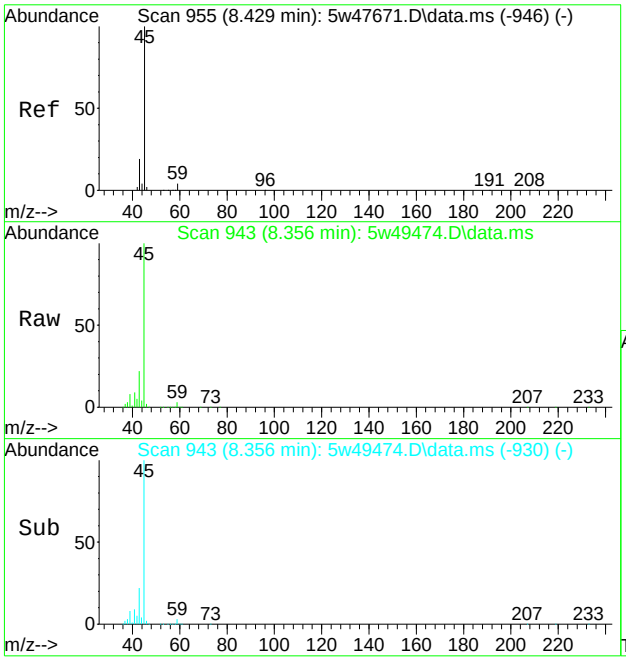


#23
Pentane
Concen: 0.46 ppb(v)
RT: 6.312 min Scan# 609
Delta R.T. -0.055 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 57 Resp: 2499

Ion	Ratio	Lower	Upper
57	100		
42	362.3	277.7	515.7
41	364.4	257.1	477.5

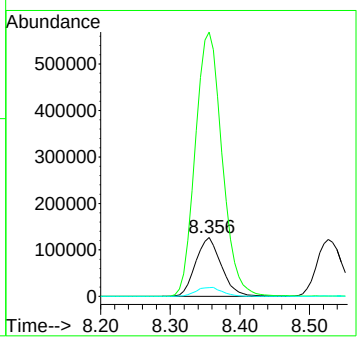


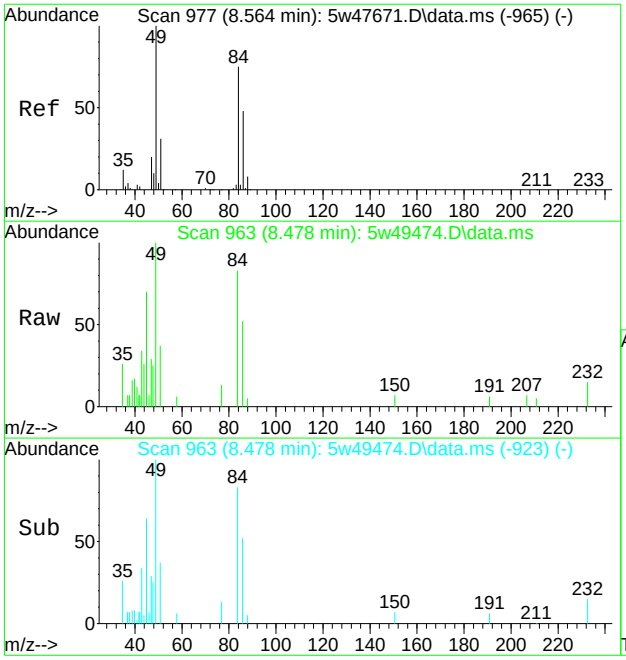


#25
Isopropyl Alcohol
Concen: 45.22 ppb(v)
RT: 8.356 min Scan# 943
Delta R.T. -0.073 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 43 Resp: 325936

Ion	Ratio	Lower	Upper
43	100		
45	448.0	367.4	682.2
59	14.7	13.7	25.5

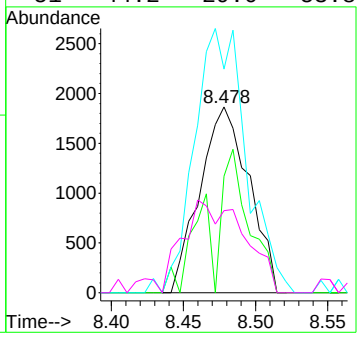


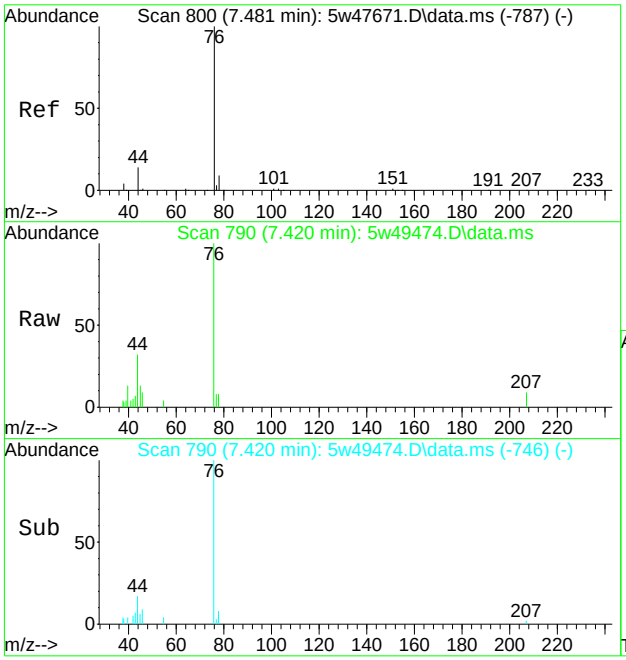


#28
Methylene Chloride
Concen: 0.22 ppb(v)
RT: 8.478 min Scan# 963
Delta R.T. -0.086 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 84 Resp: 4425

Ion	Ratio	Lower	Upper
84	100		
86	62.7	44.8	83.2
49	120.3	93.5	173.7
51	44.2	29.0	53.8

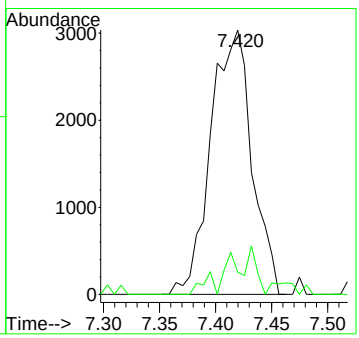


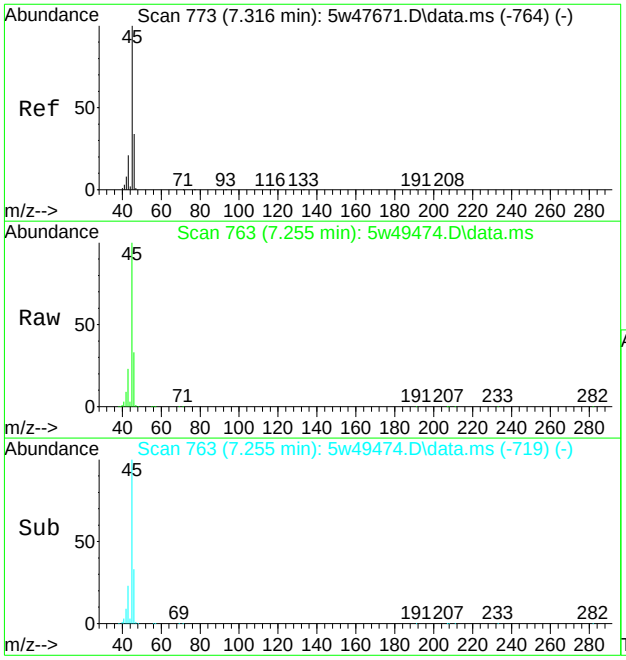


#29
Carbon Disulfide
Concen: 0.12 ppb(v)
RT: 7.420 min Scan# 790
Delta R.T. -0.061 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 76 Resp: 7775

Ion	Ratio	Lower	Upper
76	100		
78	8.4	6.5	12.1

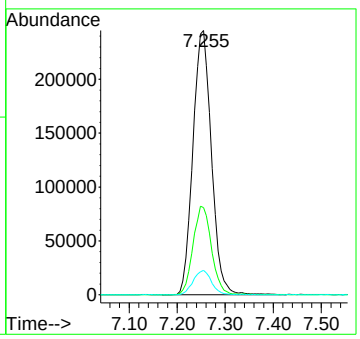


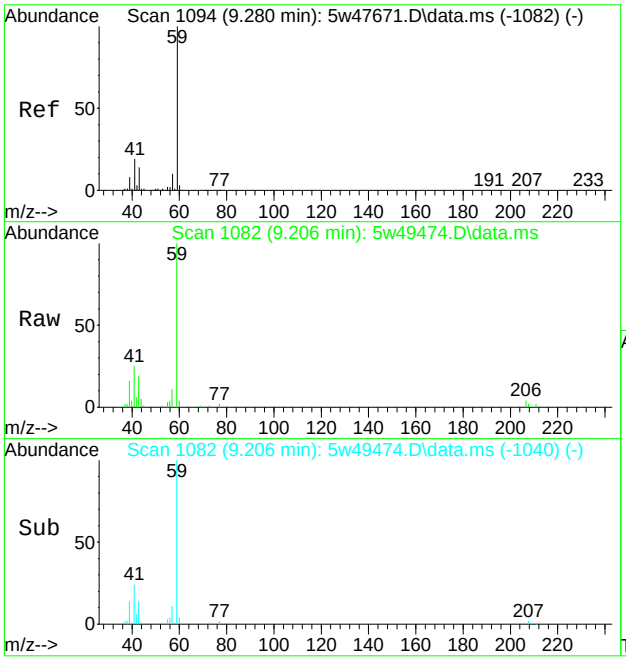


#30
Ethanol
Concen: 82.87 ppb(v)
RT: 7.255 min Scan# 763
Delta R.T. -0.061 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 45 Resp: 656212

Ion	Ratio	Lower	Upper
45	100		
46	33.0	23.9	44.5
42	9.2	5.9	11.1

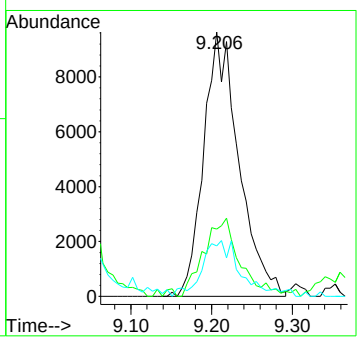


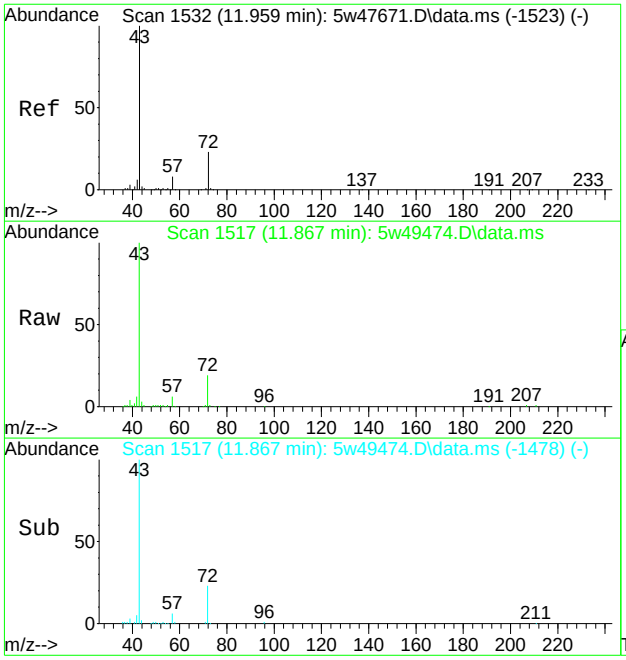


#34
tert-Butyl Alcohol
Concen: 0.61 ppb(v)
RT: 9.206 min Scan# 1082
Delta R.T. -0.073 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 59 Resp: 29224

Ion	Ratio	Lower	Upper
59	100		
41	25.4	13.8	25.6
43	19.1	10.3	19.1#

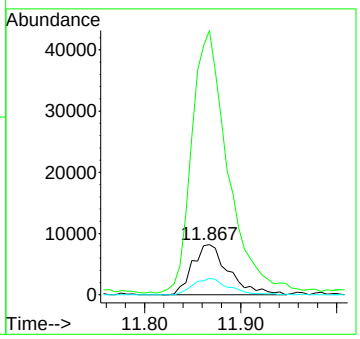


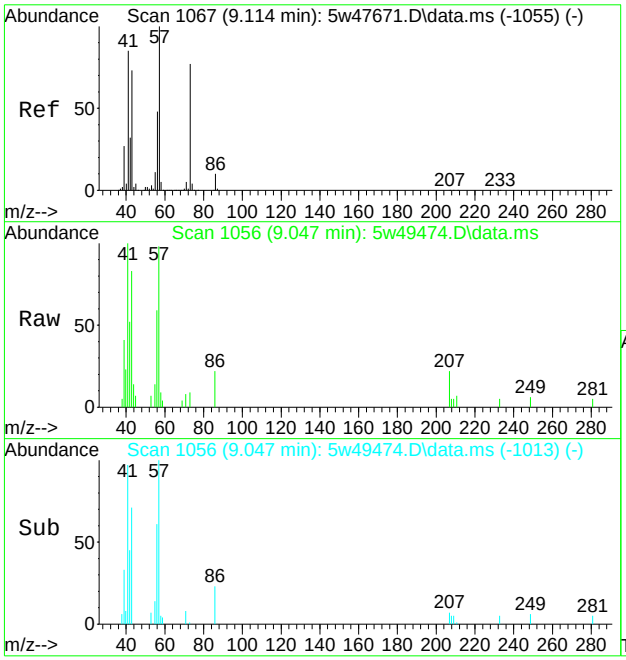


#38
2-Butanone
Concen: 2.45 ppb(v)
RT: 11.867 min Scan# 1517
Delta R.T. -0.092 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 72 Resp: 21459

Ion	Ratio	Lower	Upper
72	100		
43	492.2	305.1	566.7
57	30.3	23.1	42.9

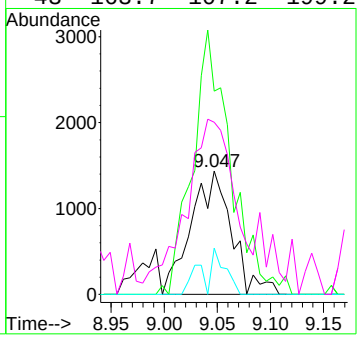


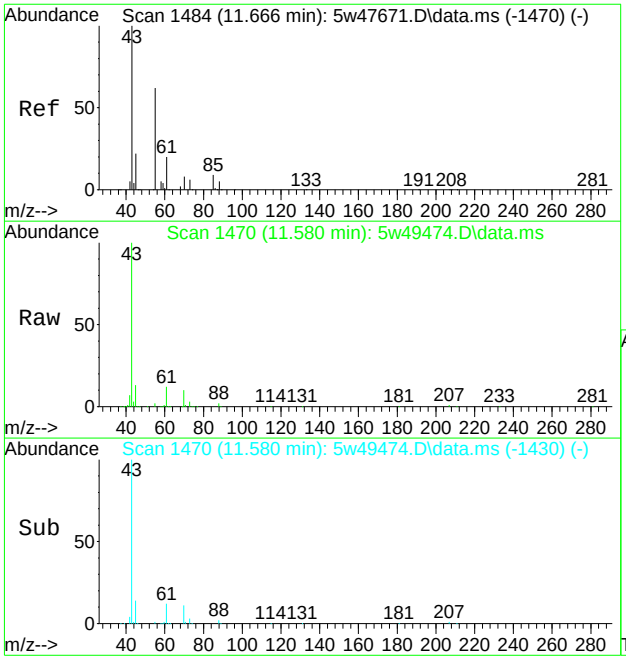


#39
Hexane
Concen: 0.20 ppb(v)
RT: 9.047 min Scan# 1056
Delta R.T. -0.067 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 56 Resp: 3832

Ion	Ratio	Lower	Upper
56	100		
57	164.8	147.0	273.0
86	37.5	15.3	28.3#
43	163.7	107.2	199.2

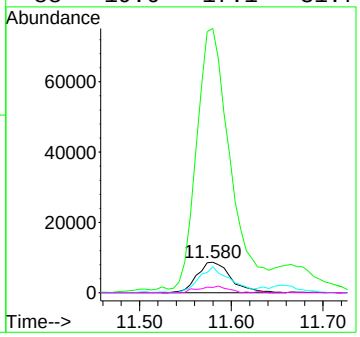


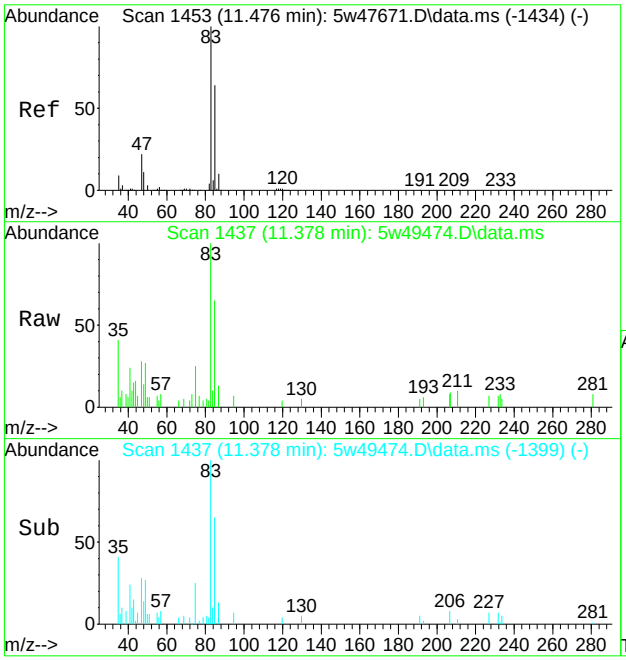


#42
Ethyl Acetate
Concen: 3.59 ppb(v)
RT: 11.580 min Scan# 1470
Delta R.T. -0.086 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 61 Resp: 22391

Ion	Ratio	Lower	Upper
61	100		
43	853.2	509.8	946.8
70	89.6	55.2	102.6
88	19.6	17.1	31.7

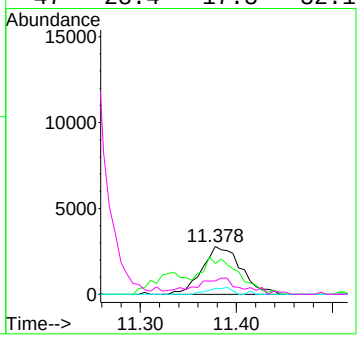


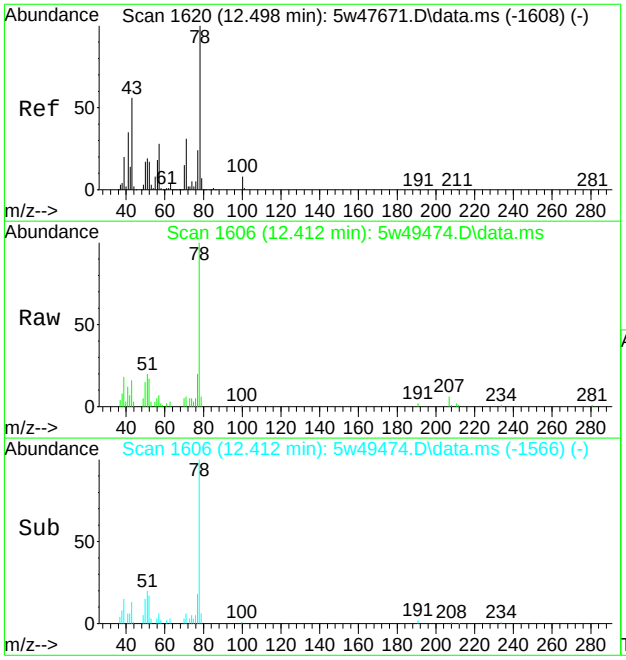


#44
Chloroform
Concen: 0.14 ppb(v)
RT: 11.378 min Scan# 1437
Delta R.T. -0.098 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 83 Resp: 7883

Ion	Ratio	Lower	Upper
83	100		
85	64.7	44.9	83.3
87	13.1	7.3	13.7
47	28.4	17.3	32.1

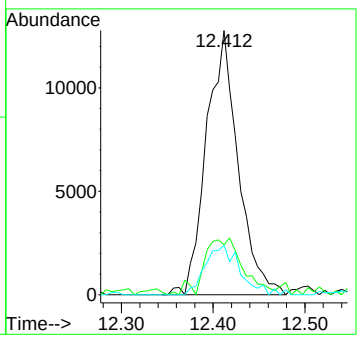


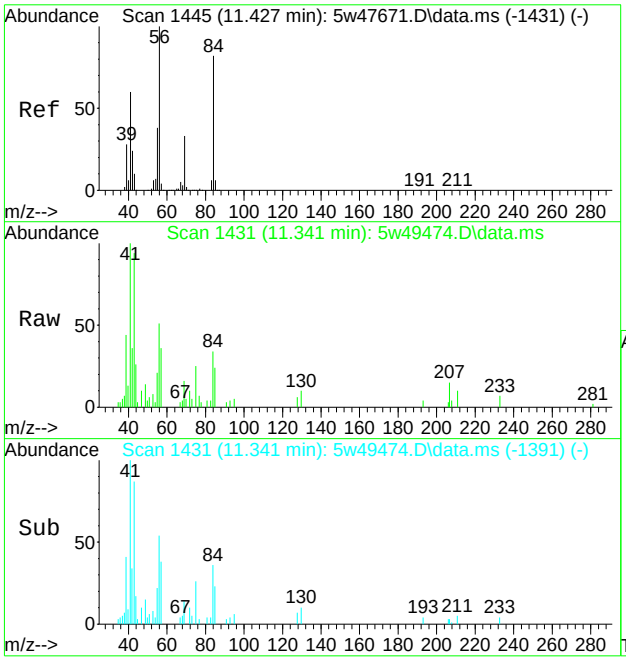


#49
Benzene
Concen: 0.45 ppb(v)
RT: 12.412 min Scan# 1606
Delta R.T. -0.086 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 78 Resp: 30686

Ion	Ratio	Lower	Upper
78	100		
77	113.1	16.9	31.5#
51	18.6	13.2	24.4

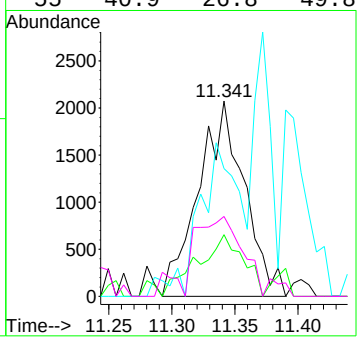


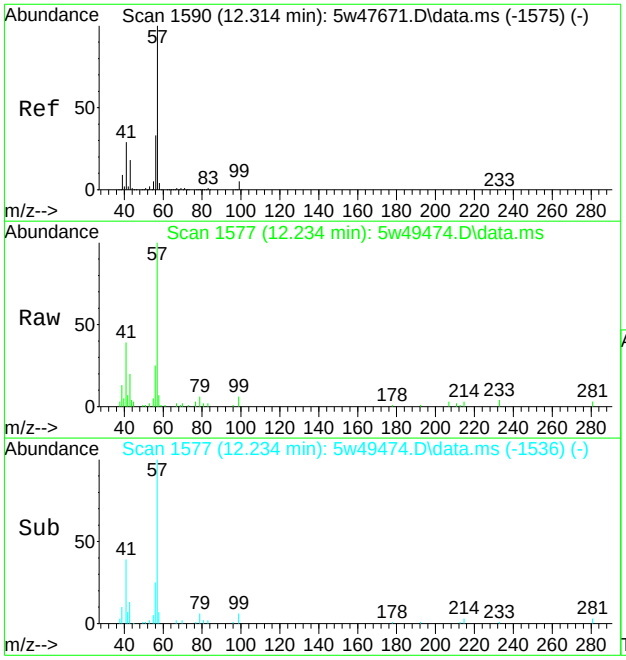


#51
Cyclohexane
Concen: 0.16 ppb(v)
RT: 11.341 min Scan# 1431
Delta R.T. -0.086 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 56 Resp: 5253

Ion	Ratio	Lower	Upper
56	100		
69	31.6	22.7	42.3
84	112.9	57.4	106.6#
55	40.9	26.8	49.8

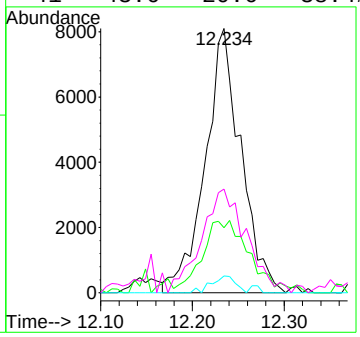


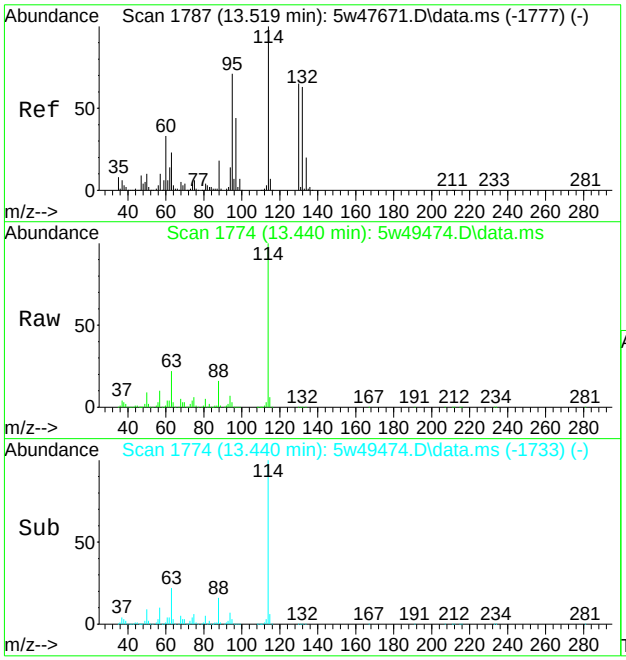


#54
2,2,4-Trimethylpentane
Concen: 0.22 ppb(v)
RT: 12.234 min Scan# 1577
Delta R.T. -0.080 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 57 Resp: 21963

Ion	Ratio	Lower	Upper
57	100		
56	23.1	23.2	43.0#
99	6.0	3.2	6.0#
41	43.6	20.6	38.4#

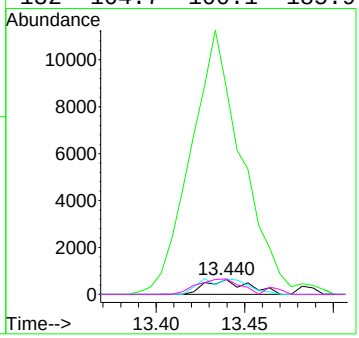


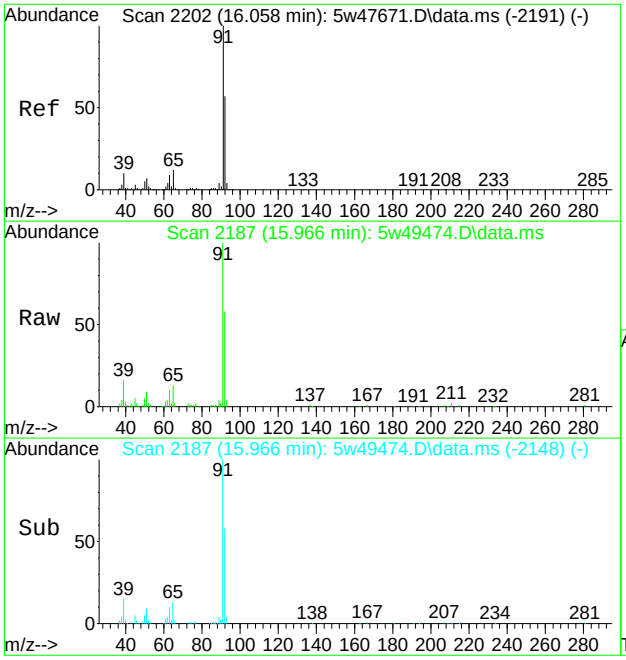


#56
Trichloroethene
Concen: 0.05 ppb(v) m
RT: 13.440 min Scan# 1774
Delta R.T. -0.080 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 97 Resp: 1074

Ion	Ratio	Lower	Upper
97	100		
95	1391.0	112.8	209.6#
130	104.7	104.2	193.4
132	104.7	100.1	185.9

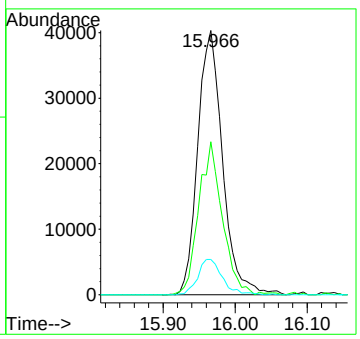


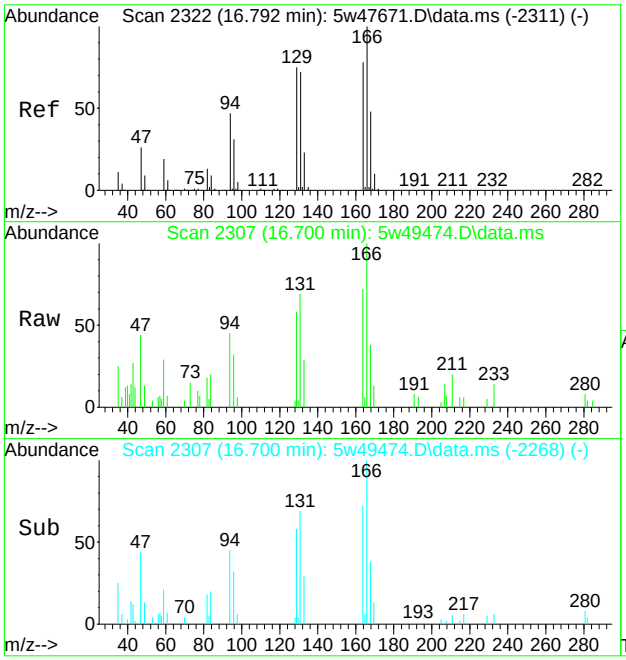


#66
Toluene
Concen: 1.22 ppb(v)
RT: 15.966 min Scan# 2187
Delta R.T. -0.092 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 91 Resp: 96722

Ion	Ratio	Lower	Upper
91	100		
92	57.9	39.8	74.0
65	13.4	8.6	16.0

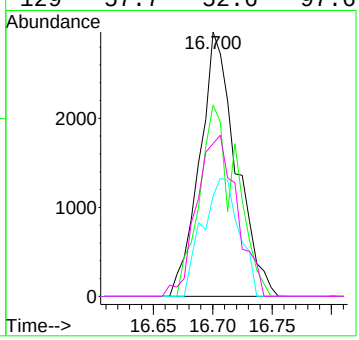


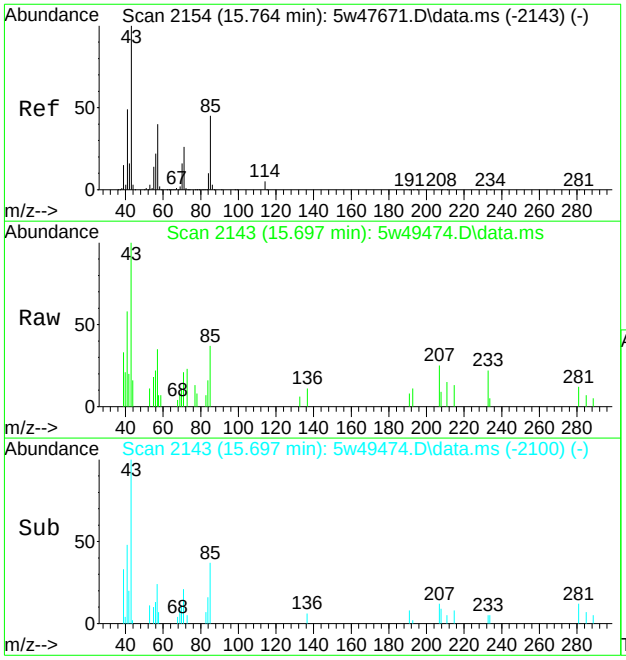


#72
Tetrachloroethene
Concen: 0.15 ppb(v)
RT: 16.700 min Scan# 2307
Delta R.T. -0.092 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion:166 Resp: 6334

Ion	Ratio	Lower	Upper
166	100		
164	72.4	54.5	101.3
168	38.0	33.5	62.3
129	57.7	52.6	97.6

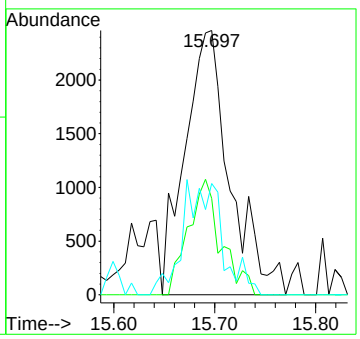


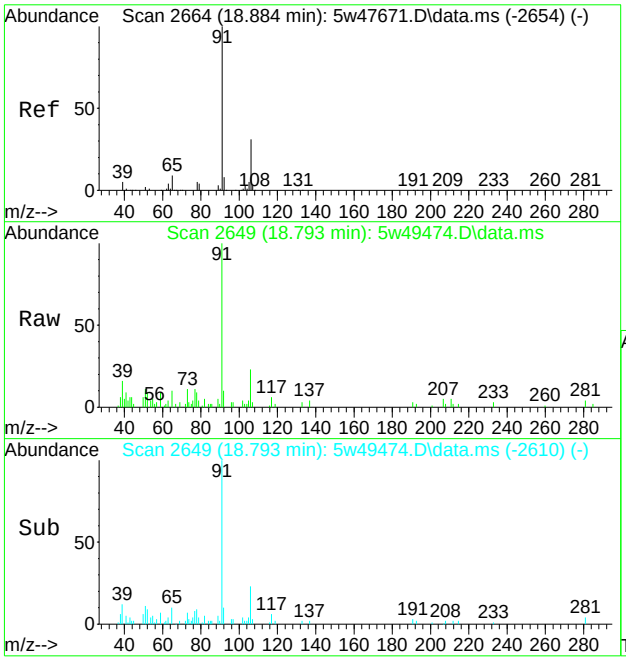


#74
Octane
Concen: 0.16 ppb(v)
RT: 15.697 min Scan# 2143
Delta R.T. -0.067 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 43 Resp: 7685

Ion	Ratio	Lower	Upper
43	100		
85	31.4	31.1	57.9
57	36.2	27.8	51.6

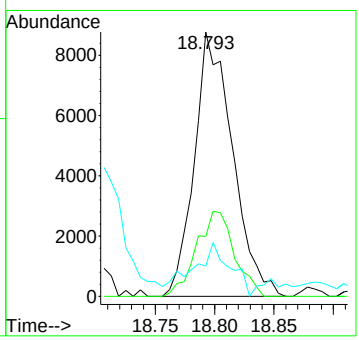


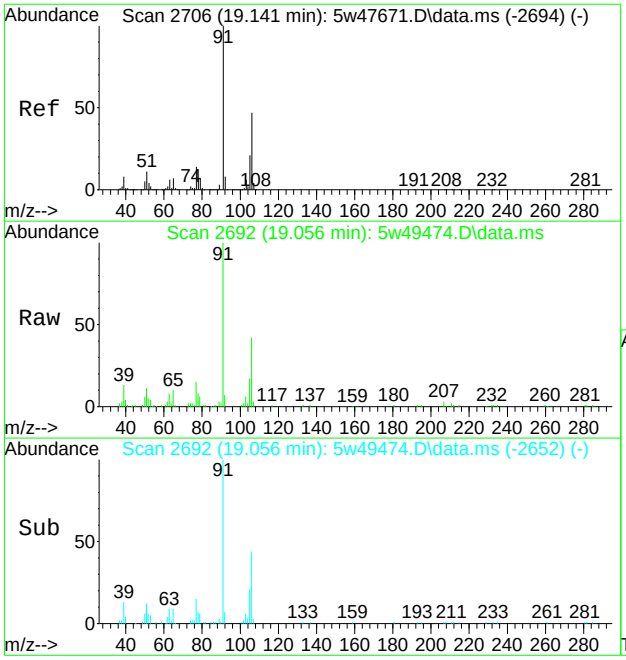


#78
Ethylbenzene
Concen: 0.19 ppb(v)
RT: 18.793 min Scan# 2649
Delta R.T. -0.092 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 91 Resp: 19606

Ion	Ratio	Lower	Upper
91	100		
106	20.6	21.4	39.8#
77	10.4	6.6	12.2

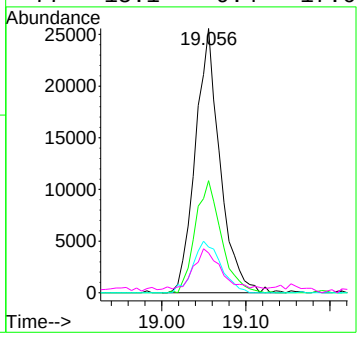


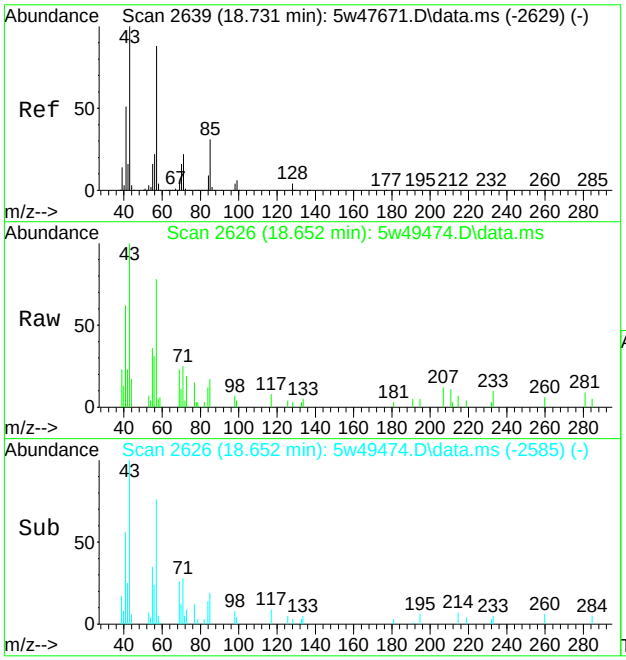


#79
m,p-Xylene
Concen: 0.69 ppb(v)
RT: 19.056 min Scan# 2692
Delta R.T. -0.086 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 91 Resp: 52227

Ion	Ratio	Lower	Upper
91	100		
106	42.4	32.6	60.5
105	17.3	14.5	26.9
77	15.1	9.4	17.6

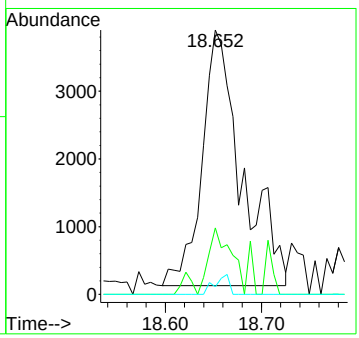


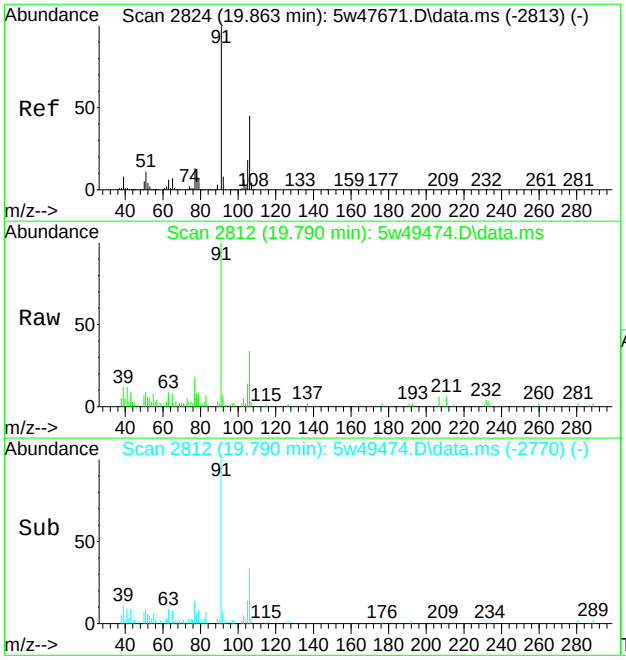


#81
Nonane
Concen: 0.21 ppb(v)
RT: 18.652 min Scan# 2626
Delta R.T. -0.080 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 43 Resp: 10886

Ion	Ratio	Lower	Upper
43	100		
71	29.4	15.5	28.7#
128	2.9	2.9	5.5#

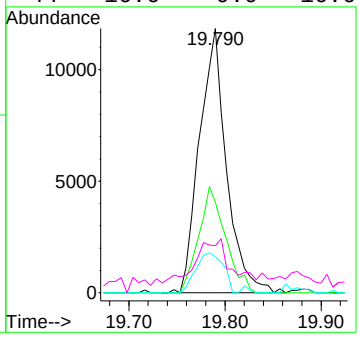


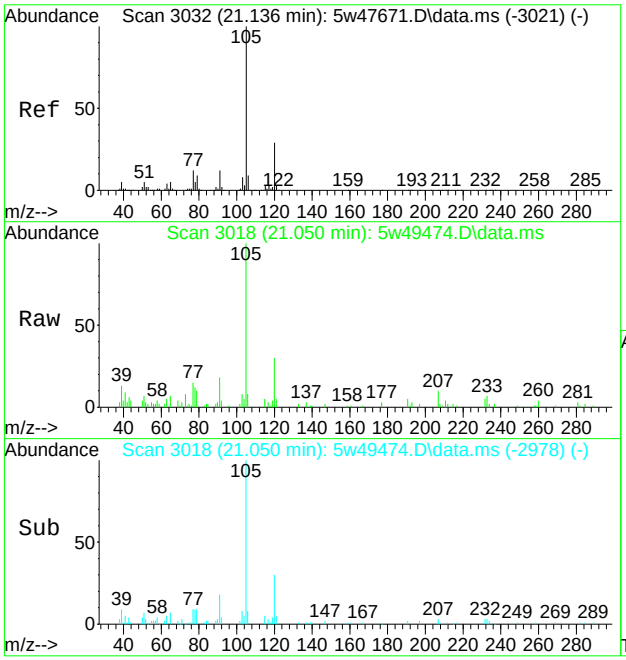


#82
o-Xylene
Concen: 0.29 ppb(v)
RT: 19.790 min Scan# 2812
Delta R.T. -0.073 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion: 91 Resp: 23199

Ion	Ratio	Lower	Upper
91	100		
106	34.7	31.6	58.6
105	12.7	12.4	23.0
77	16.6	9.0	16.6

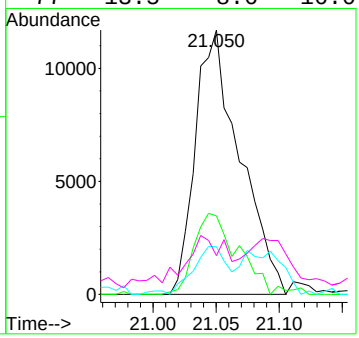


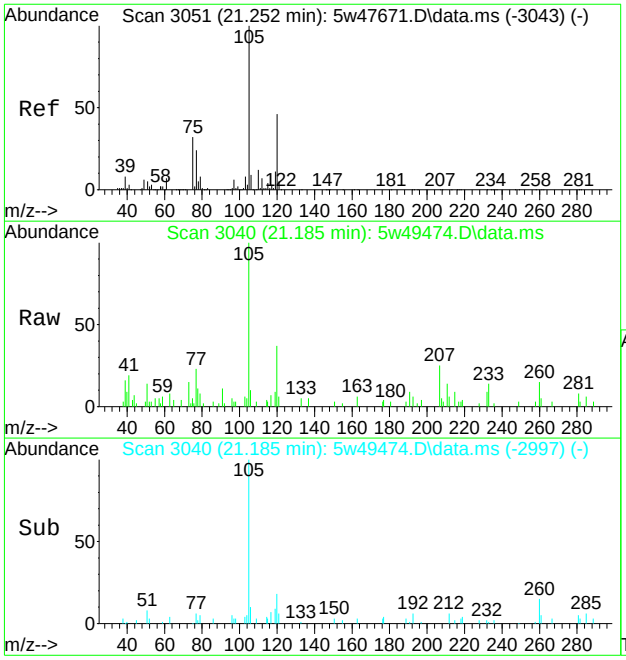


#91
4-Ethyltoluene
Concen: 0.30 ppb(v)
RT: 21.050 min Scan# 3018
Delta R.T. -0.086 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion:105 Resp: 28589

Ion	Ratio	Lower	Upper
105	100		
120	27.5	20.5	38.1
91	16.7	8.2	15.2#
77	13.5	8.6	16.0

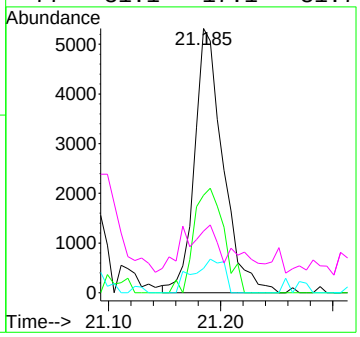


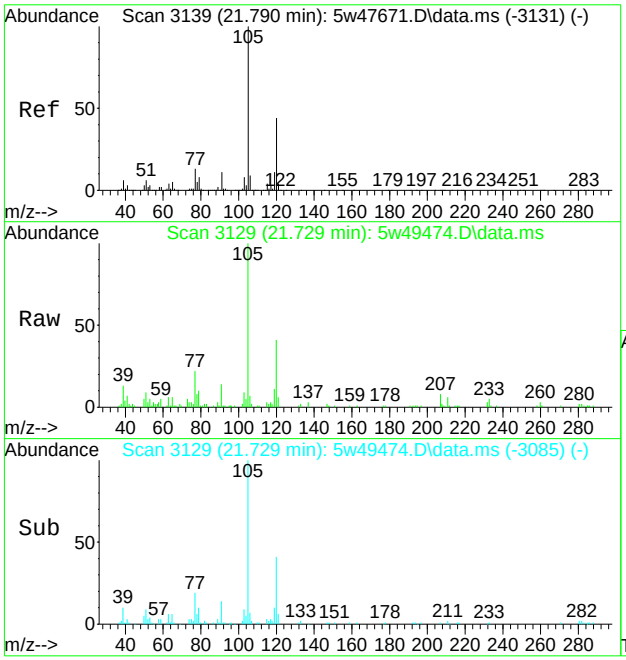


#92
1,3,5-Trimethylbenzene
Concen: 0.12 ppb(v)
RT: 21.185 min Scan# 3040
Delta R.T. -0.067 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion:105 Resp: 9356

Ion	Ratio	Lower	Upper
105	100		
120	33.5	32.3	59.9
119	8.4	7.9	14.7
77	31.1	17.1	31.7

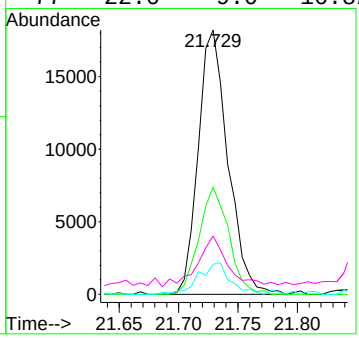


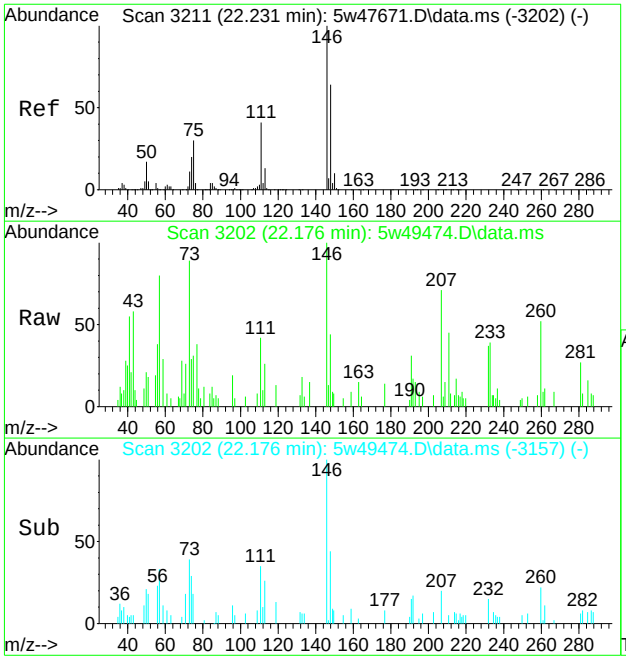


#95
1,2,4-Trimethylbenzene
Concen: 0.40 ppb(v)
RT: 21.729 min Scan# 3129
Delta R.T. -0.061 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion:105 Resp: 31621

Ion	Ratio	Lower	Upper
105	100		
120	40.5	30.7	57.1
119	11.4	8.0	14.8
77	22.0	9.0	16.8#

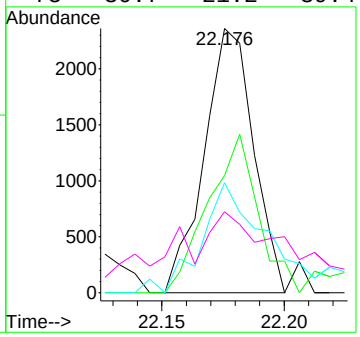


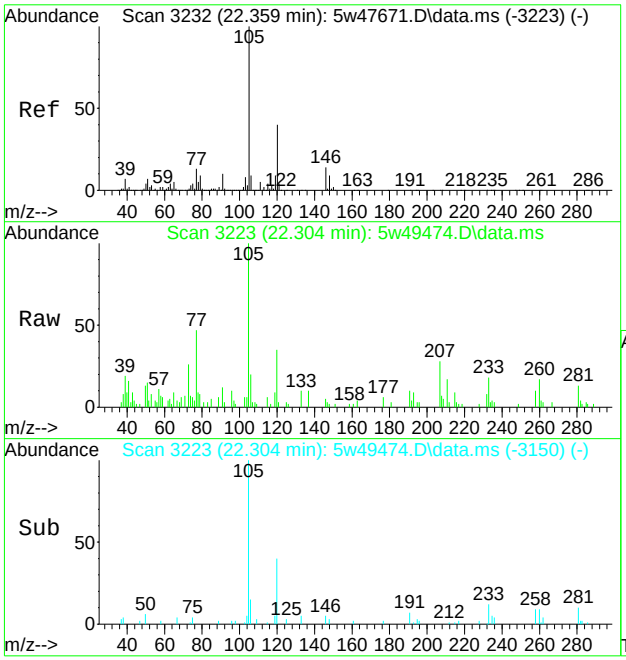


#96
1,3-Dichlorobenzene
Concen: 0.07 ppb(v) m
RT: 22.176 min Scan# 3202
Delta R.T. -0.055 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion:146 Resp: 3314

Ion	Ratio	Lower	Upper
146	100		
148	44.3	44.6	82.8#
111	41.7	28.5	52.9
75	30.7	21.2	39.4

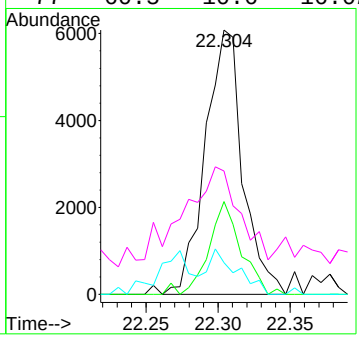


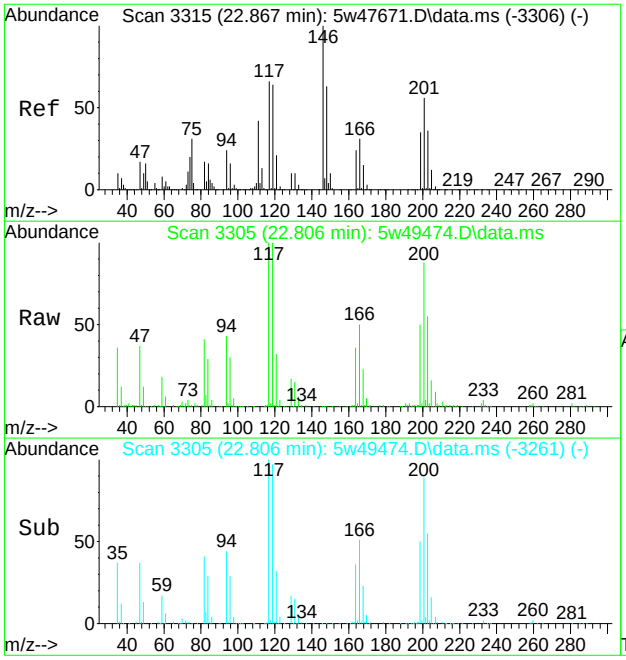


#97
1,2,3-trimethylbenzene
Concen: 0.15 ppb(v)
RT: 22.304 min Scan# 3223
Delta R.T. -0.055 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion:105 Resp: 10977

Ion	Ratio	Lower	Upper
105	100		
120	30.6	33.1	49.7#
91	13.3	8.4	12.6#
77	60.5	10.6	16.0#

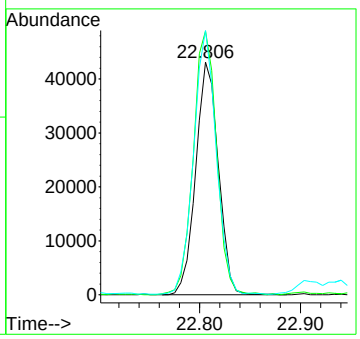




#104
Hexachloroethane
Concen: 2.24 ppb(v)
RT: 22.806 min Scan# 3305
Delta R.T. -0.061 min
Lab File: 5w49474.D
Acq: 24 Apr 2022 2:22 am

Tgt Ion:201 Resp: 67305

Ion	Ratio	Lower	Upper
201	100		
117	113.4	81.9	152.1
119	115.2	79.7	148.1



Manual Integration Approval Summary

Sample Number: JD41994-5
Lab FileID: 5W49474.D
Injection Time: 04/24/22 02:22

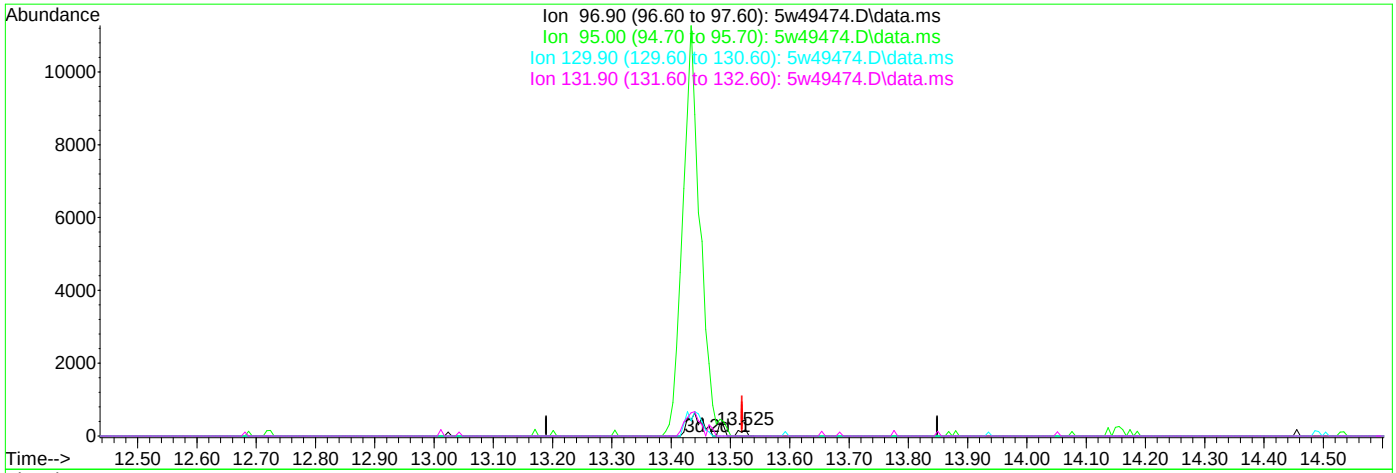
Method: TO-15
Analyst approved: 04/25/22 11:25 Thomas Hilbig
Supervisor approved: 04/26/22 12:24 Kanya Veerawat

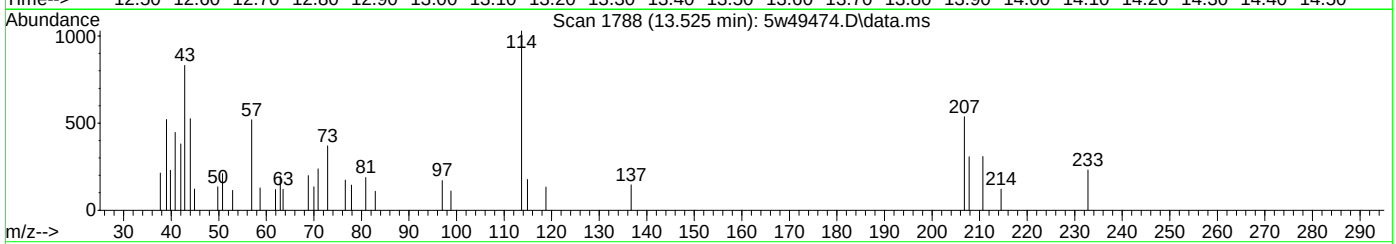
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichloroethylene	79-01-6		13.44	Missed peak
m-Dichlorobenzene	541-73-1		22.18	Missed peak

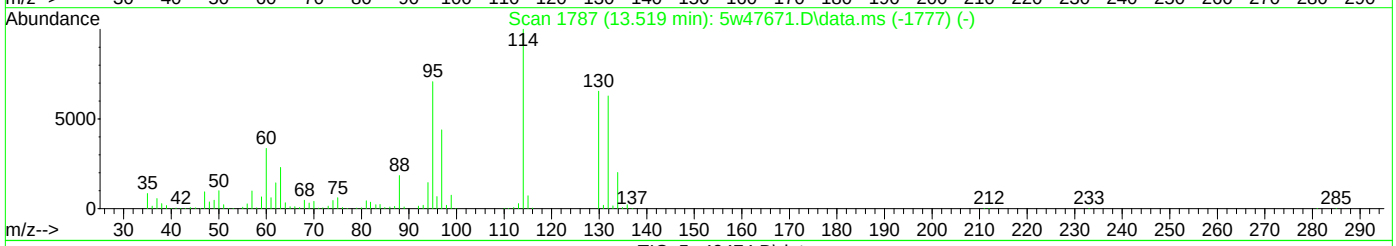
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49474.D
Acq On : 24 Apr 2022 2:22 am
Operator : thomash
Sample : jd41994-5
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 25 07:38:06 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration







TIC: 5w49474.D\data.ms

(56) Trichloroethene

13.525min (+0.006) 0.01ppb(v)

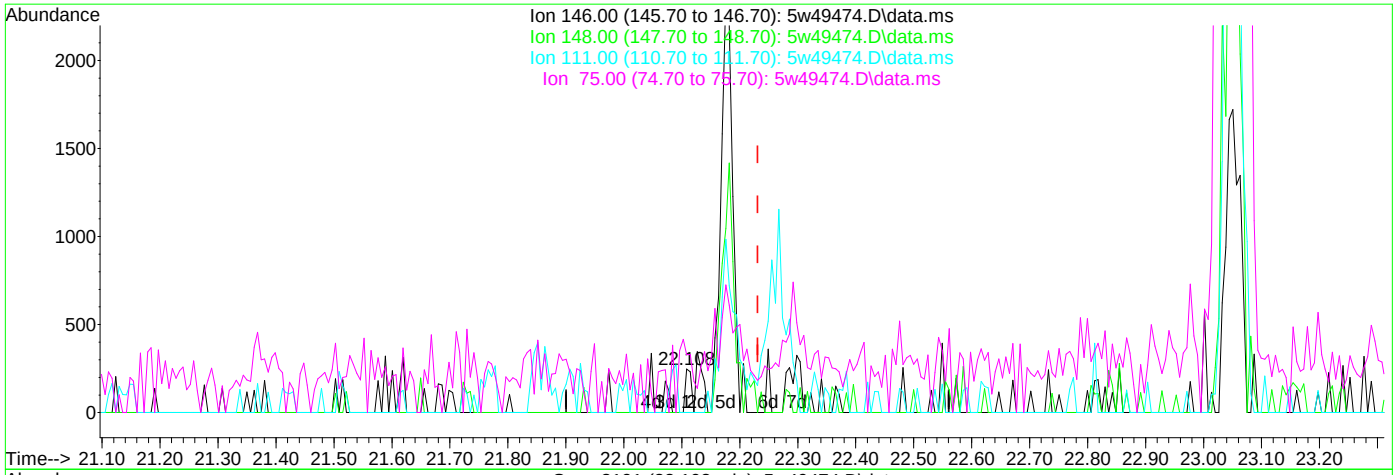
response 155

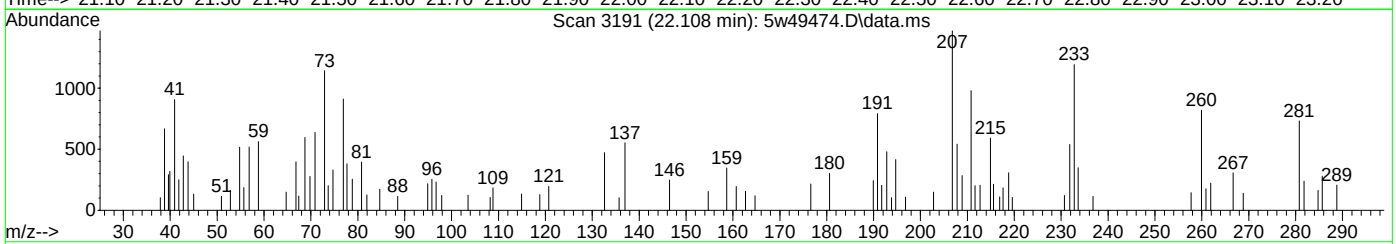
Ion	Exp%	Act%
96.90	100	100
95.00	161.20	0.00#
129.90	148.80	0.00#
131.90	143.00	0.00#

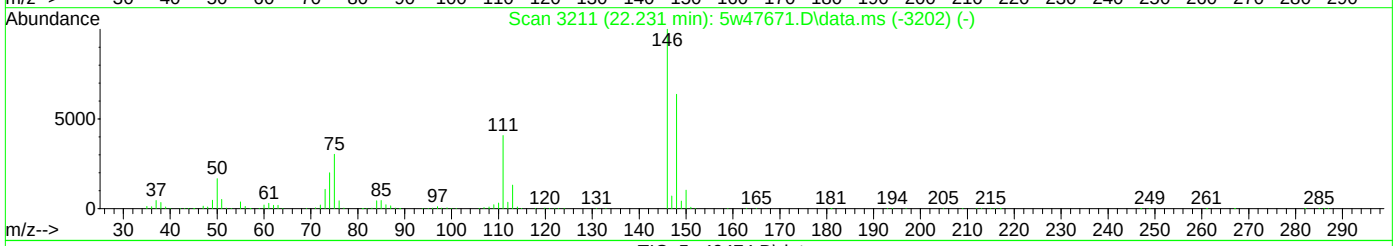
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49474.D
Acq On : 24 Apr 2022 2:22 am
Operator : thomash
Sample : jd41994-5
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Apr 25 07:38:06 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration







TIC: 5w49474.D\data.ms

(96) 1,3-Dichlorobenzene

22.108min (-0.122) 0.00ppb(v)

response 176

Ion	Exp%	Act%
146.00	100	100
148.00	63.70	0.00#
111.00	40.70	0.00#
75.00	30.30	132.66#

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 13:38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49469.D
Acq On : 23 Apr 2022 10:03 pm
Operator : thomash
Sample : jd41994-6
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 26 13:06:22 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

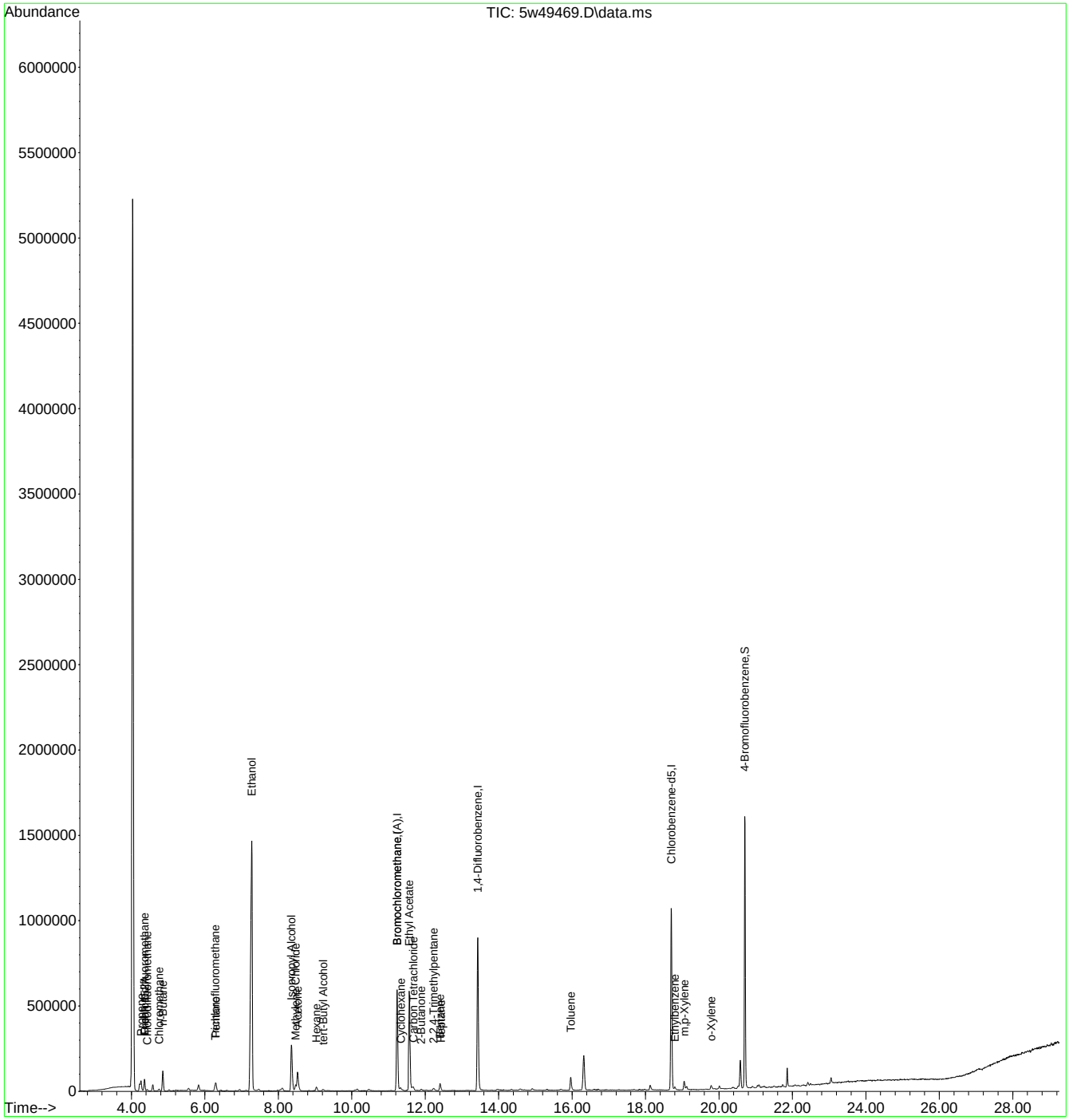
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.237	130	235876	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.433	114	851889	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.701	82	407646	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.237	130	235876	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	460137	8.93	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 89.30%			
Target Compounds						Qvalue
2) Freon 152A	4.361	65	11404	0.73	ppb(v	94
3) Chlorodifluoromethane	4.428	67	3175	0.37	ppb(v#	78
4) Propene	4.263	41	18706	0.96	ppb(v	85
6) Dichlorodifluoromethane	4.355	85	54576	0.59	ppb(v	97
8) Chloromethane	4.759	50	14631	0.59	ppb(v	85
12) n-Butane	4.856	58	11607	3.18	ppb(v	64
21) Trichlorofluoromethane	6.282	101	28714	0.37	ppb(v#	85
22) Acetone	8.527	58	48637	4.73	ppb(v	88
23) Pentane	6.300	57	3481	0.52	ppb(v	57
25) Isopropyl Alcohol	8.356	43	100654	11.45	ppb(v	78
28) Methylene Chloride	8.472	84	18976	0.78	ppb(v	95
30) Ethanol	7.279	45	2684718	277.89	ppb(v	99
34) tert-Butyl Alcohol	9.218	59	13022	0.22	ppb(v#	78
38) 2-Butanone	11.886	72	4132m	0.39	ppb(v	
39) Hexane	9.035	56	7737	0.34	ppb(v#	86
42) Ethyl Acetate	11.568	61	110653	14.54	ppb(v	82
49) Benzene	12.406	78	40679	0.49	ppb(v	93
50) Carbon Tetrachloride	11.678	117	7762	0.11	ppb(v	92
51) Cyclohexane	11.341	56	4098	0.10	ppb(v#	82
54) 2,2,4-Trimethylpentane	12.228	57	17149	0.14	ppb(v#	84
55) Heptane	12.430	71	2580	0.10	ppb(v#	65
66) Toluene	15.966	91	73013	0.75	ppb(v	98
78) Ethylbenzene	18.799	91	15009	0.12	ppb(v#	89
79) m,p-Xylene	19.056	91	41389	0.46	ppb(v	95
82) o-Xylene	19.790	91	15295	0.16	ppb(v#	90

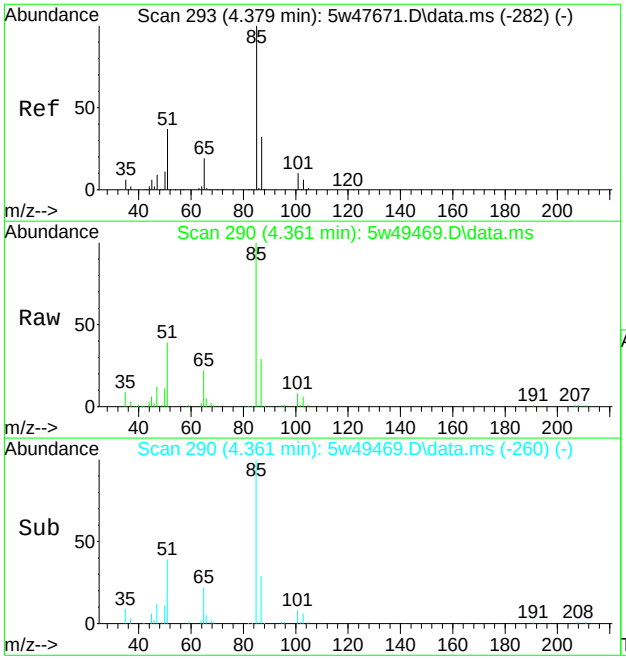
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49469.D
Acq On : 23 Apr 2022 10:03 pm
Operator : thomash
Sample : jd41994-6
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 26 13:06:22 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

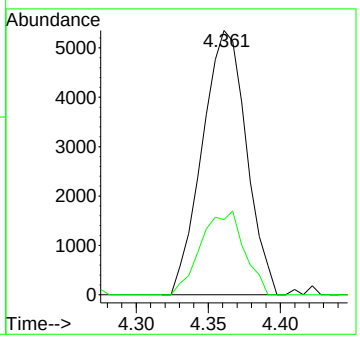


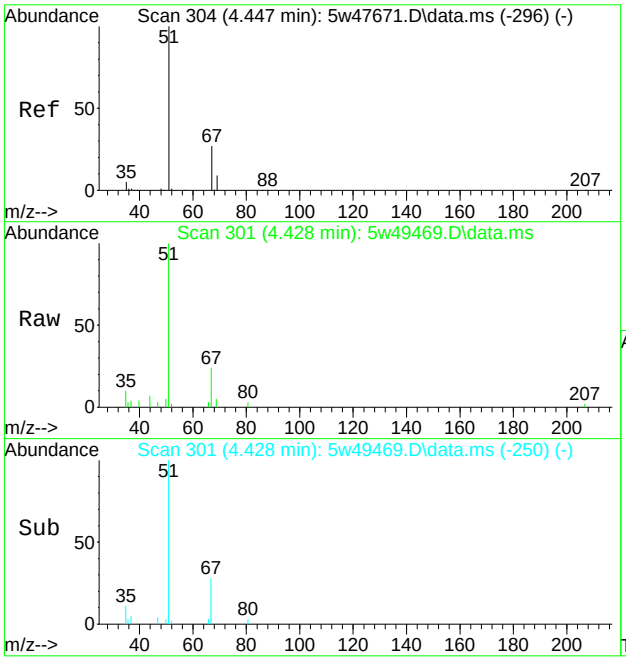


#2
Freon 152A
Concen: 0.73 ppb(v)
RT: 4.361 min Scan# 290
Delta R.T. -0.018 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 65 Resp: 11404

Ion	Ratio	Lower	Upper
65	100		
45	28.4	22.0	41.0

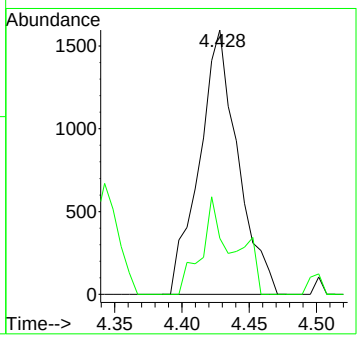


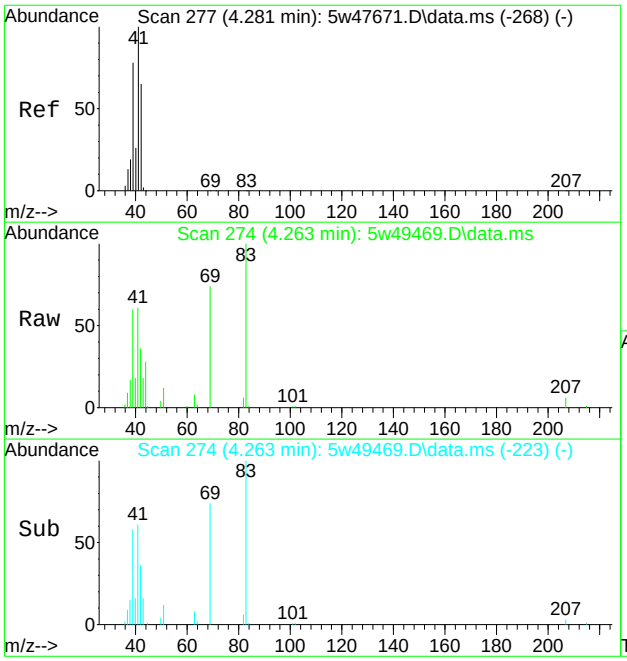


#3
Chlorodifluoromethane
Concen: 0.37 ppb(v)
RT: 4.428 min Scan# 301
Delta R.T. -0.018 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 67 Resp: 3175

Ion	Ratio	Lower	Upper
67	100		
69	21.2	23.5	43.7#

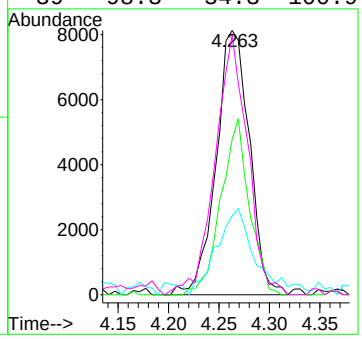


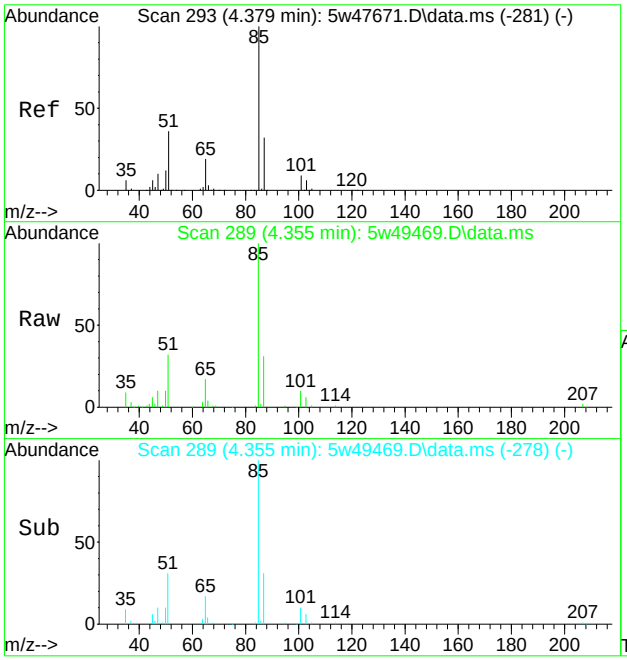


#4
Propene
Concen: 0.96 ppb(v)
RT: 4.263 min Scan# 274
Delta R.T. -0.018 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 41 Resp: 18706

Ion	Ratio	Lower	Upper
41	100		
42	58.8	45.6	84.8
40	29.8	18.4	34.2
39	98.3	54.3	100.9

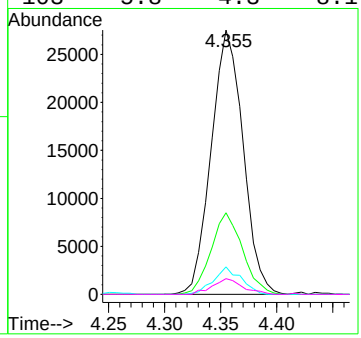


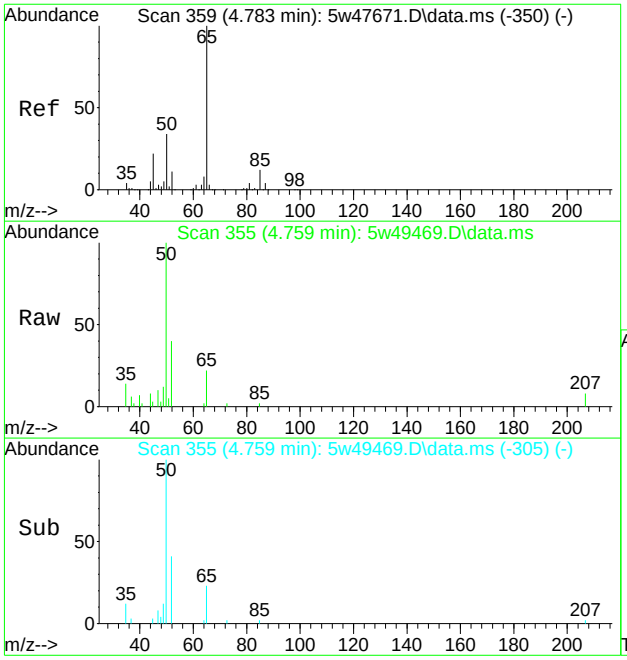


#6
Dichlorodifluoromethane
Concen: 0.59 ppb(v)
RT: 4.355 min Scan# 289
Delta R.T. -0.025 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 85 Resp: 54576

Ion	Ratio	Lower	Upper
85	100		
87	30.4	22.7	42.1
101	10.2	6.5	12.1
103	5.8	4.3	8.1

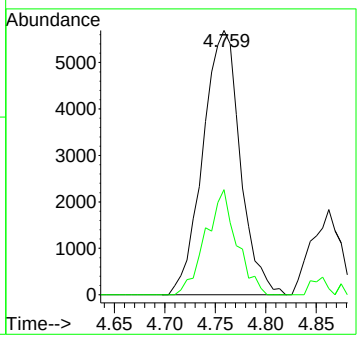


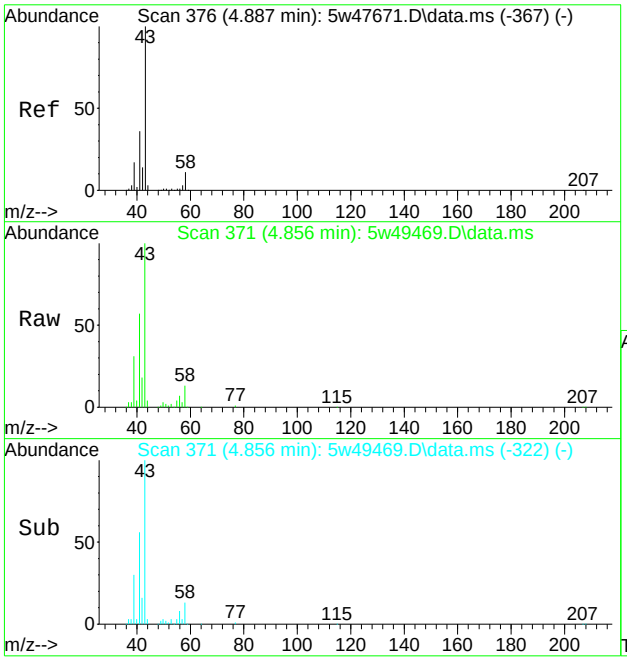


#8
Chloromethane
Concen: 0.59 ppb(v)
RT: 4.759 min Scan# 355
Delta R.T. -0.025 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 50 Resp: 14631

Ion	Ratio	Lower	Upper
50	100		
52	39.7	22.0	40.8

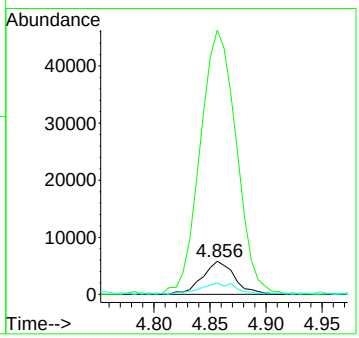


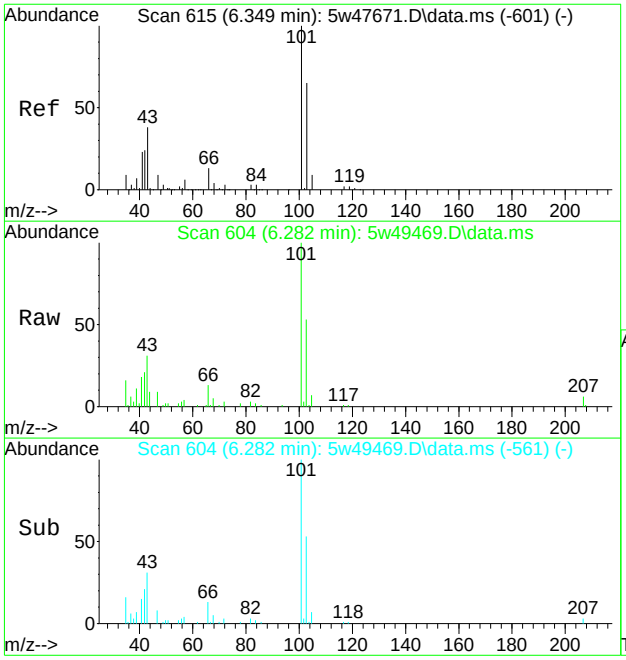


#12
n-Butane
Concen: 3.18 ppb(v)
RT: 4.856 min Scan# 371
Delta R.T. -0.031 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 58 Resp: 11607

Ion	Ratio	Lower	Upper
58	100		
43	777.1	653.7	1213.9
44	33.6	23.2	43.0

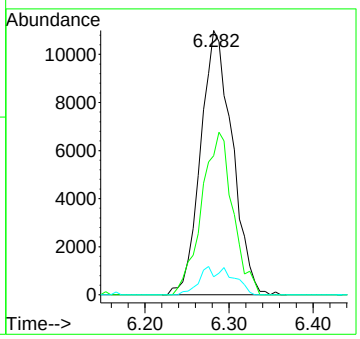


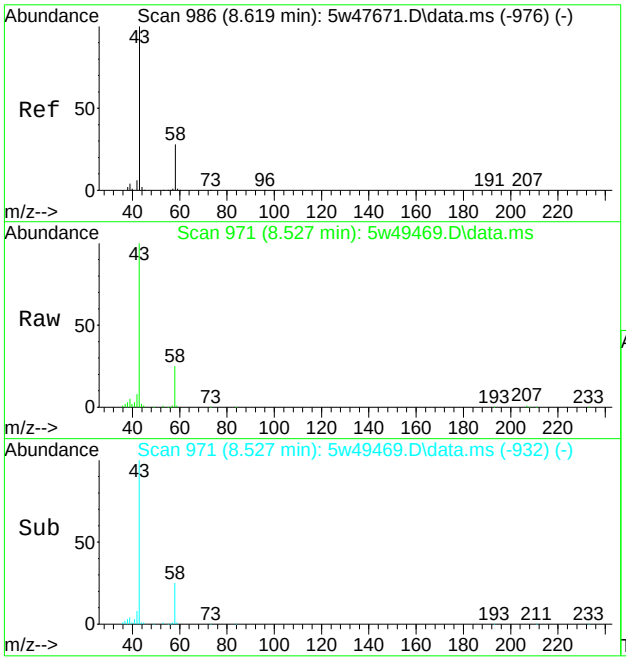


#21
Trichlorofluoromethane
Concen: 0.37 ppb(v)
RT: 6.282 min Scan# 604
Delta R.T. -0.067 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion:101 Resp: 28714

Ion	Ratio	Lower	Upper
101	100		
103	52.6	45.6	84.8
105	6.8	7.4	13.8#

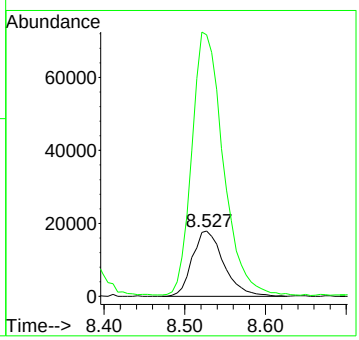


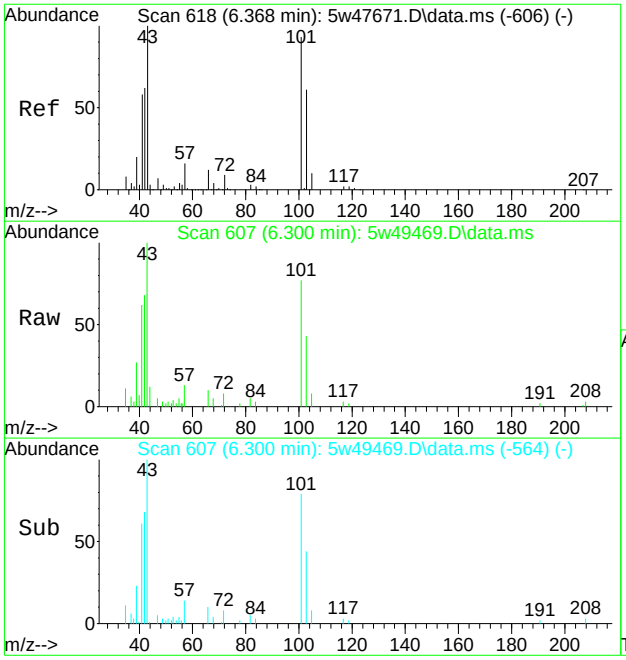


#22
Acetone
Concen: 4.73 ppb(v)
RT: 8.527 min Scan# 971
Delta R.T. -0.092 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 58 Resp: 48637

Ion	Ratio	Lower	Upper
58	100		
43	388.6	253.0	469.8

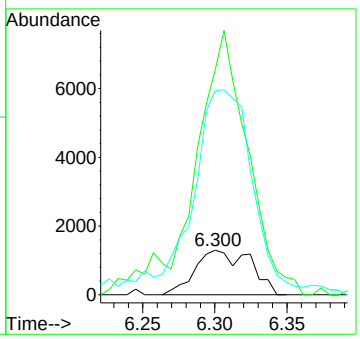


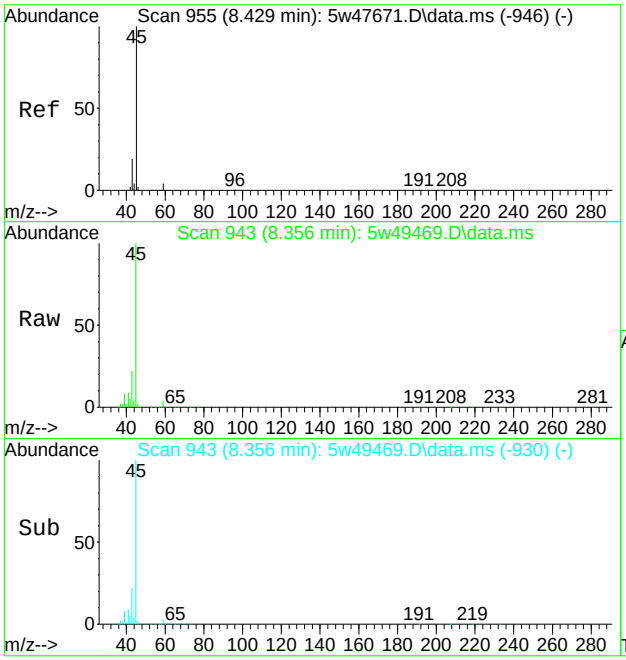


#23
Pentane
Concen: 0.52 ppb(v)
RT: 6.300 min Scan# 607
Delta R.T. -0.067 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 57 Resp: 3481

Ion	Ratio	Lower	Upper
57	100		
42	504.3	277.7	515.7
41	457.4	257.1	477.5

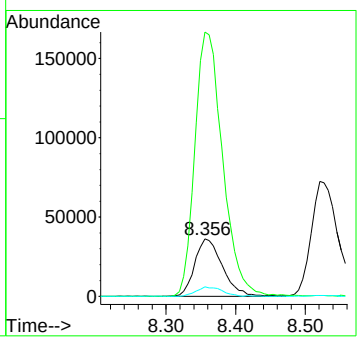


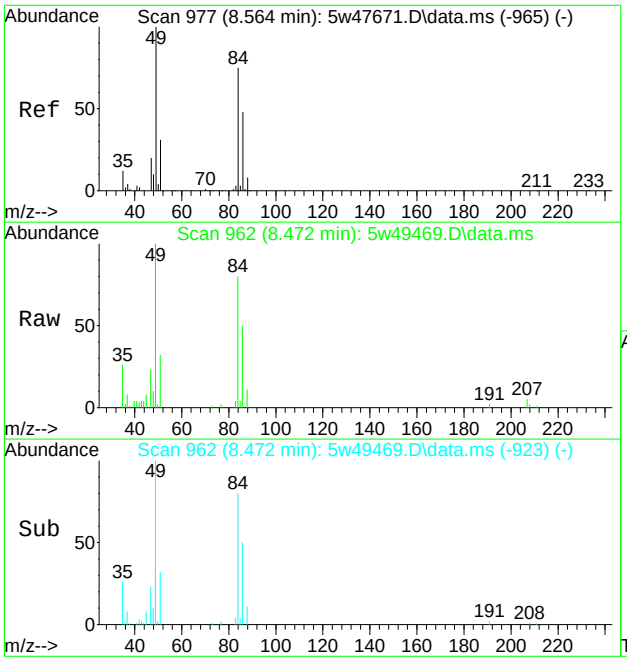


#25
Isopropyl Alcohol
Concen: 11.45 ppb(v)
RT: 8.356 min Scan# 943
Delta R.T. -0.073 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 43 Resp: 100654

Ion	Ratio	Lower	Upper
43	100		
45	459.7	367.4	682.2
59	18.4	13.7	25.5

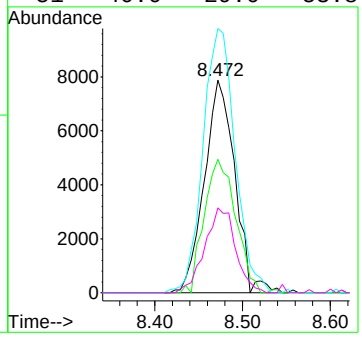


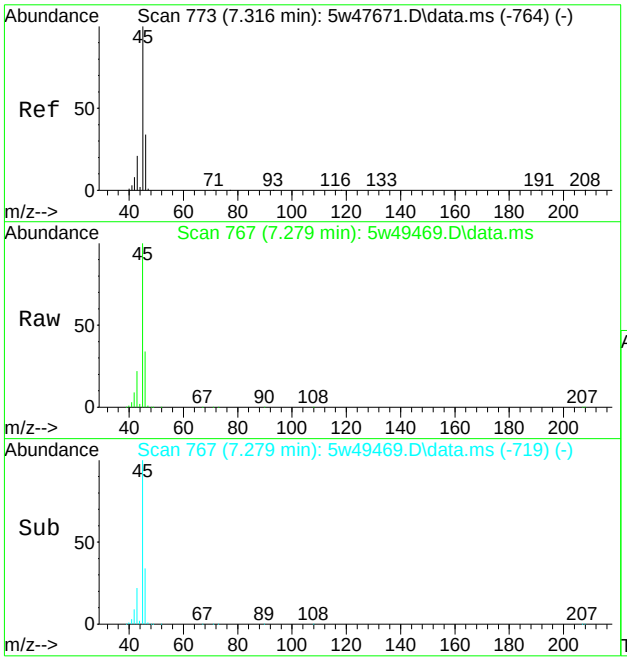


#28
Methylene Chloride
Concen: 0.78 ppb(v)
RT: 8.472 min Scan# 962
Delta R.T. -0.092 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 84 Resp: 18976

Ion	Ratio	Lower	Upper
84	100		
86	62.8	44.8	83.2
49	124.4	93.5	173.7
51	40.0	29.0	53.8

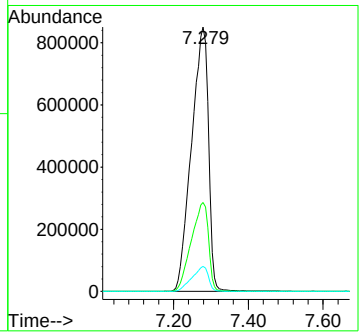


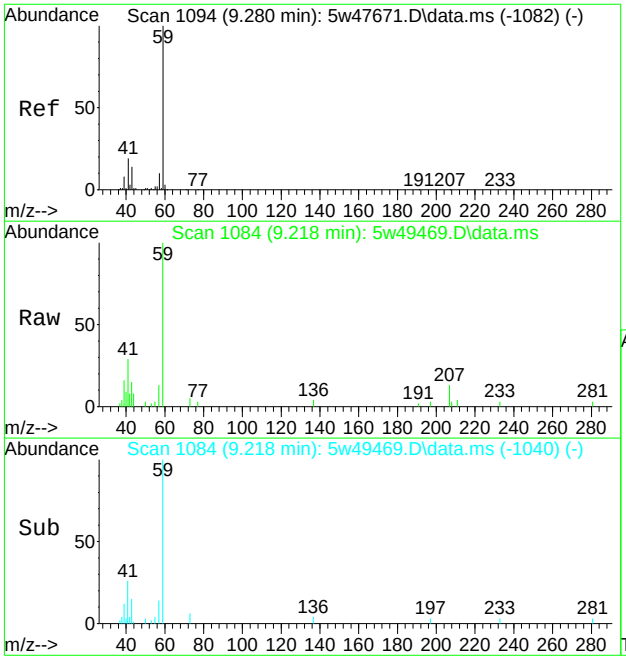


#30
Ethanol
Concen: 277.89 ppb(v)
RT: 7.279 min Scan# 767
Delta R.T. -0.037 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 45 Resp: 2684718

Ion	Ratio	Lower	Upper
45	100		
46	33.6	23.9	44.5
42	9.4	5.9	11.1

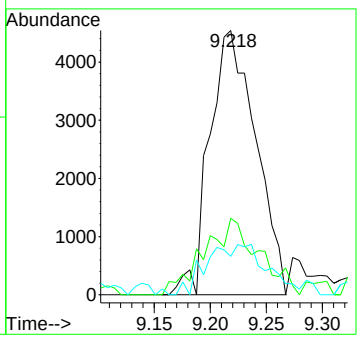


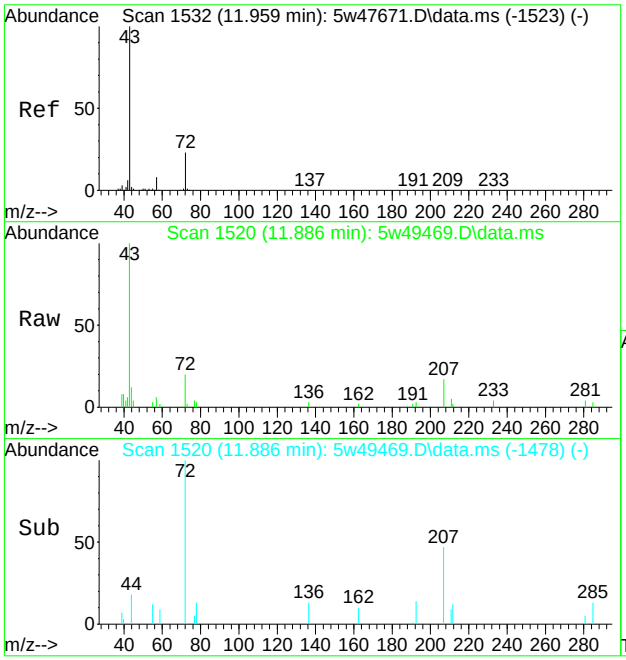


#34
tert-Butyl Alcohol
Concen: 0.22 ppb(v)
RT: 9.218 min Scan# 1084
Delta R.T. -0.061 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 59 Resp: 13022

Ion	Ratio	Lower	Upper
59	100		
41	37.2	13.8	25.6#
43	14.5	10.3	19.1

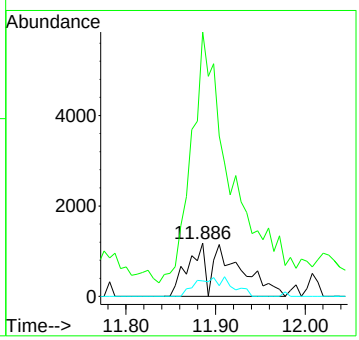


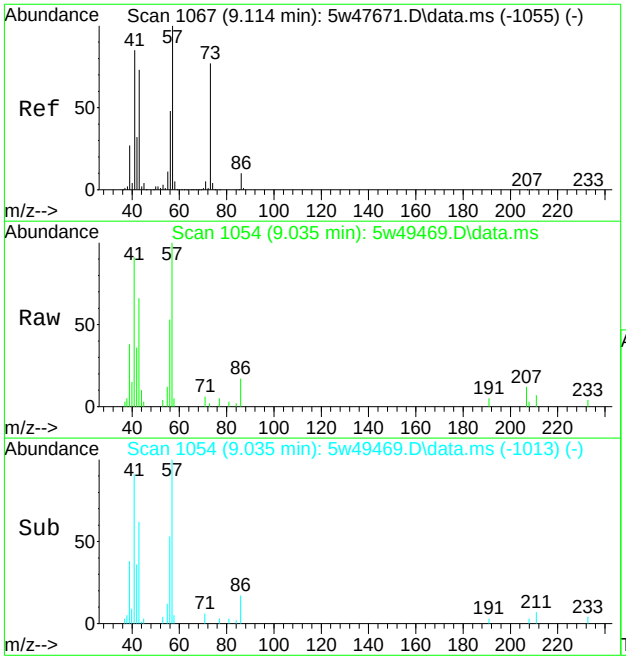


#38
2-Butanone
Concen: 0.39 ppb(v) m
RT: 11.886 min Scan# 1520
Delta R.T. -0.073 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 72 Resp: 4132

Ion	Ratio	Lower	Upper
72	100		
43	497.0	305.1	566.7
57	28.9	23.1	42.9

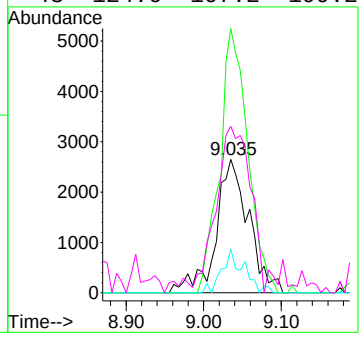


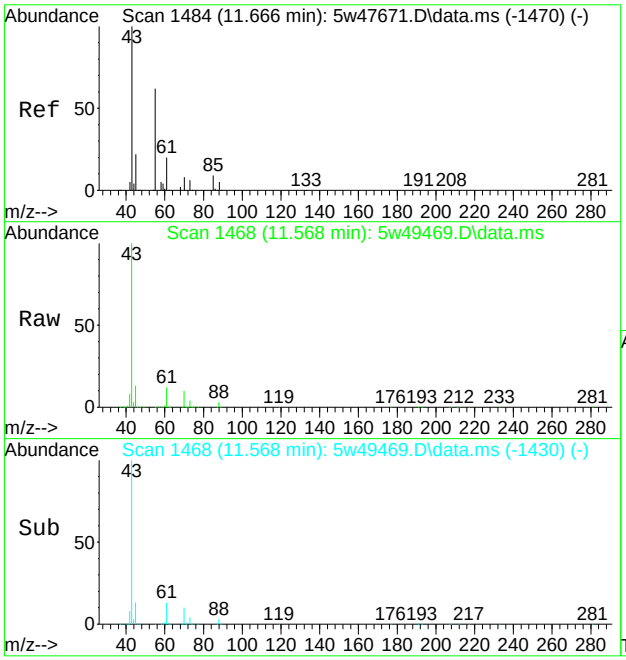


#39
Hexane
Concen: 0.34 ppb(v)
RT: 9.035 min Scan# 1054
Delta R.T. -0.080 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 56 Resp: 7737

Ion	Ratio	Lower	Upper
56	100		
57	198.0	147.0	273.0
86	32.7	15.3	28.3#
43	124.6	107.2	199.2

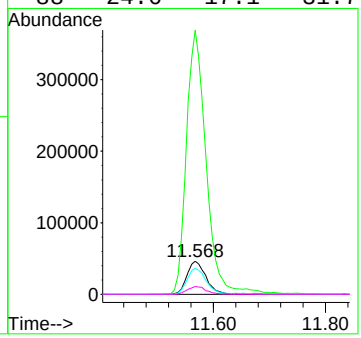


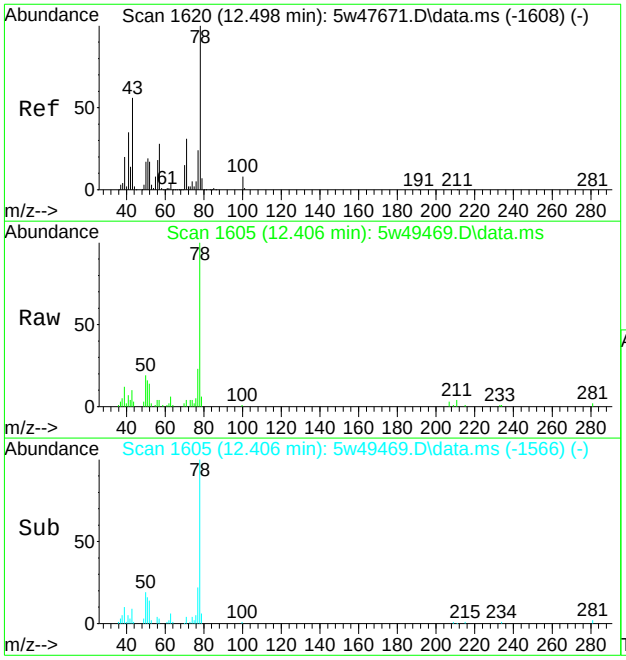


#42
Ethyl Acetate
Concen: 14.54 ppb(v)
RT: 11.568 min Scan# 1468
Delta R.T. -0.098 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 61 Resp: 110653

Ion	Ratio	Lower	Upper
61	100		
43	800.1	509.8	946.8
70	79.1	55.2	102.6
88	24.6	17.1	31.7

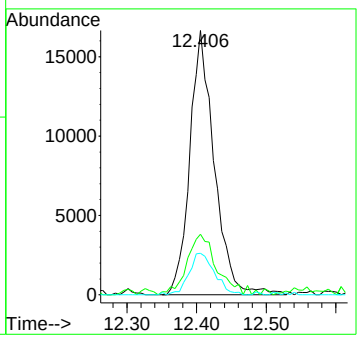


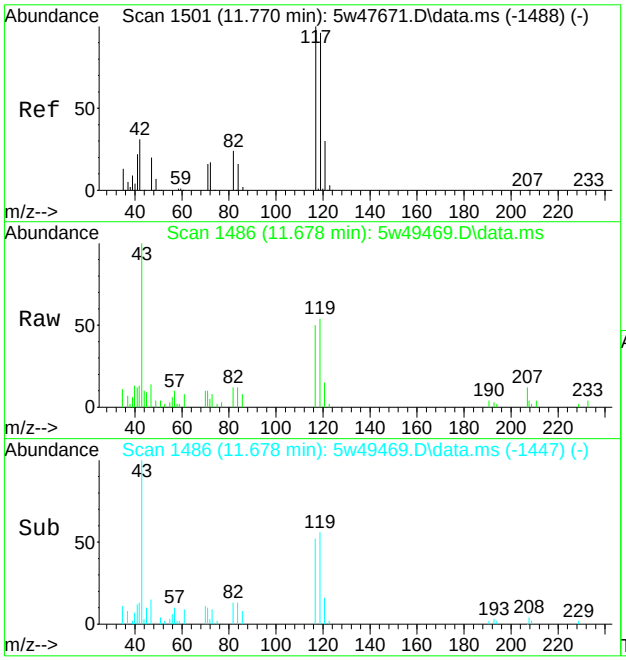


#49
Benzene
Concen: 0.49 ppb(v)
RT: 12.406 min Scan# 1605
Delta R.T. -0.092 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 78 Resp: 40679

Ion	Ratio	Lower	Upper
78	100		
77	21.6	16.9	31.5
51	14.8	13.2	24.4

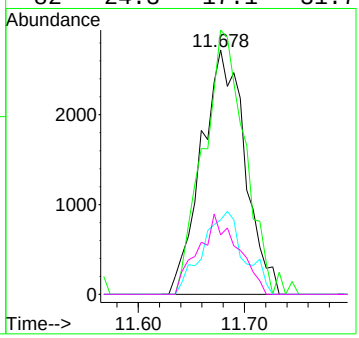


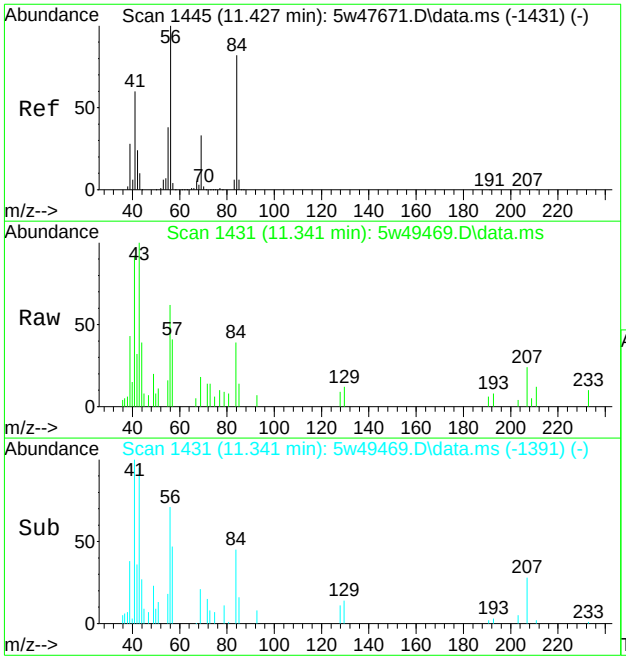


#50
Carbon Tetrachloride
Concen: 0.11 ppb(v)
RT: 11.678 min Scan# 1486
Delta R.T. -0.092 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion:117 Resp: 7762

Ion	Ratio	Lower	Upper
117	100		
119	108.2	67.1	124.5
121	30.5	21.3	39.6
82	24.3	17.1	31.7

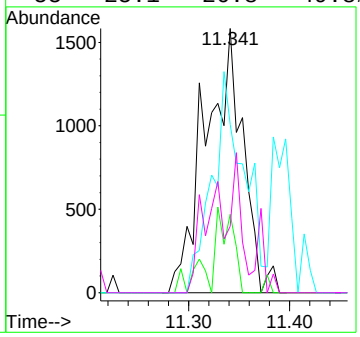


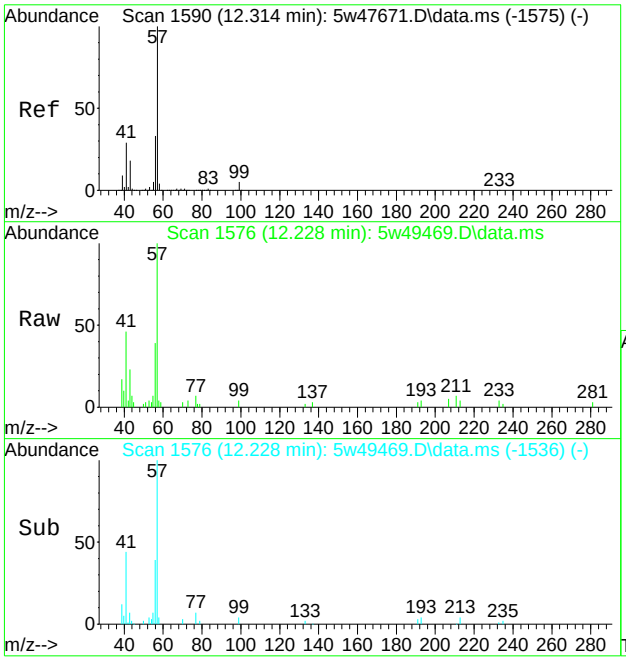


#51
Cyclohexane
Concen: 0.10 ppb(v)
RT: 11.341 min Scan# 1431
Delta R.T. -0.086 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 56 Resp: 4098

Ion	Ratio	Lower	Upper
56	100		
69	29.7	22.7	42.3
84	63.7	57.4	106.6
55	25.1	26.8	49.8#

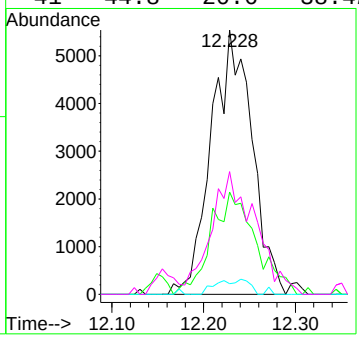


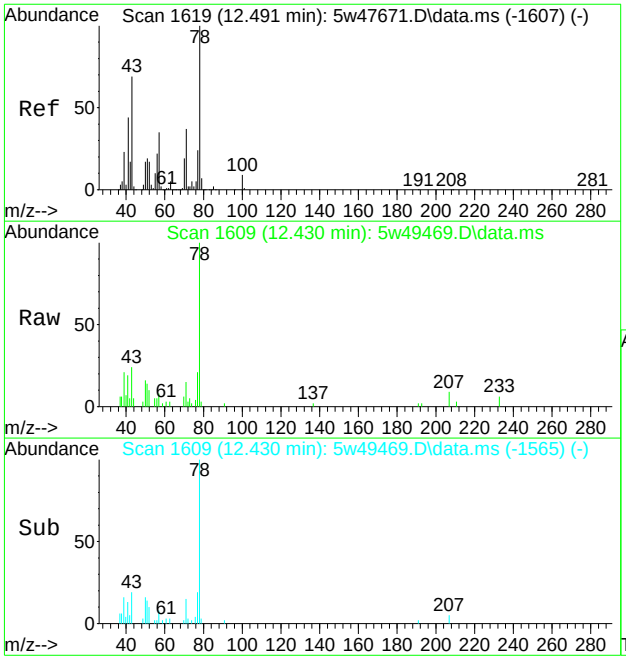


#54
2,2,4-Trimethylpentane
Concen: 0.14 ppb(v)
RT: 12.228 min Scan# 1576
Delta R.T. -0.086 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 57 Resp: 17149

Ion	Ratio	Lower	Upper
57	100		
56	37.3	23.2	43.0
99	3.9	3.2	6.0
41	44.8	20.6	38.4#

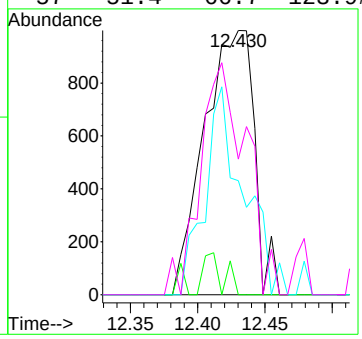


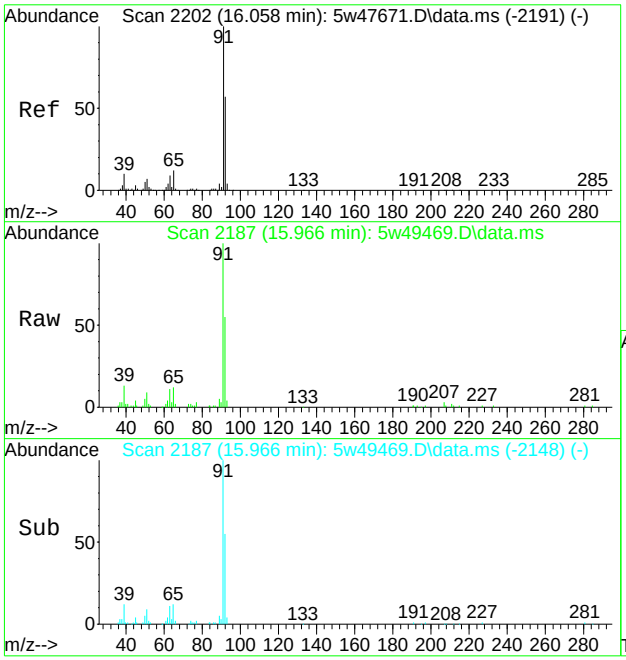


#55
Heptane
Concen: 0.10 ppb(v)
RT: 12.430 min Scan# 1609
Delta R.T. -0.061 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 71 Resp: 2580

Ion	Ratio	Lower	Upper
71	100		
100	0.0	16.7	31.1#
70	43.1	35.4	65.8
57	51.4	66.7	123.9#

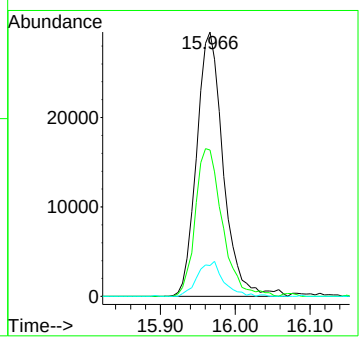


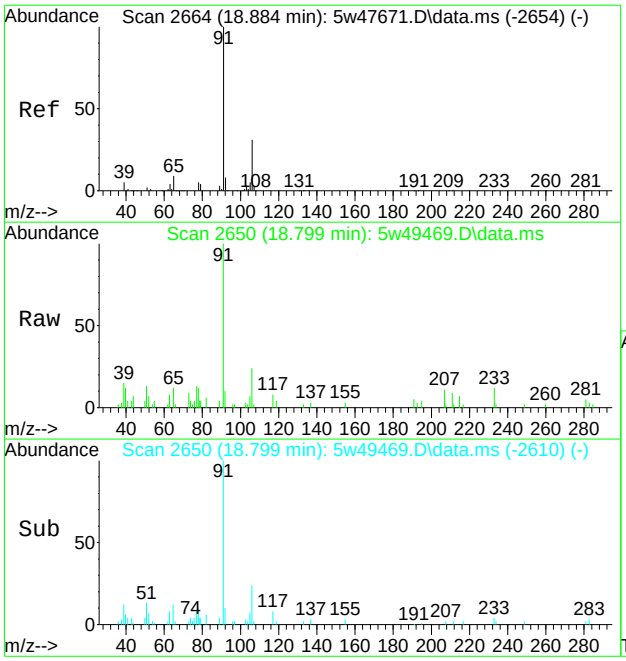


#66
Toluene
Concen: 0.75 ppb(v)
RT: 15.966 min Scan# 2187
Delta R.T. -0.092 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 91 Resp: 73013

Ion	Ratio	Lower	Upper
91	100		
92	55.3	39.8	74.0
65	11.7	8.6	16.0

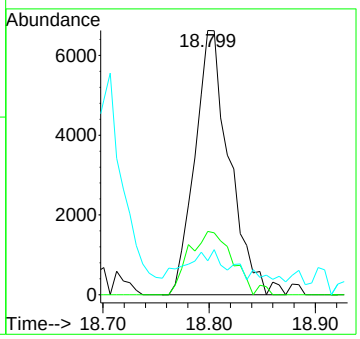


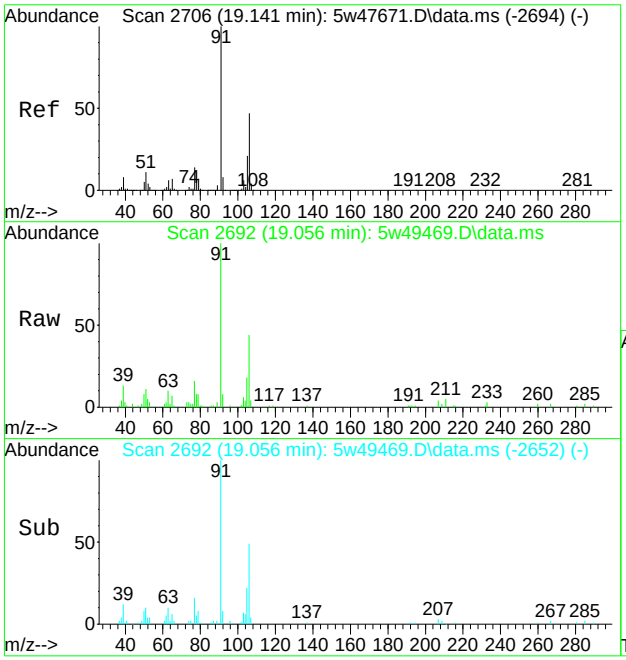


#78
Ethylbenzene
Concen: 0.12 ppb(v)
RT: 18.799 min Scan# 2650
Delta R.T. -0.086 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 91 Resp: 15009

Ion	Ratio	Lower	Upper
91	100		
106	24.0	21.4	39.8
77	12.8	6.6	12.2#

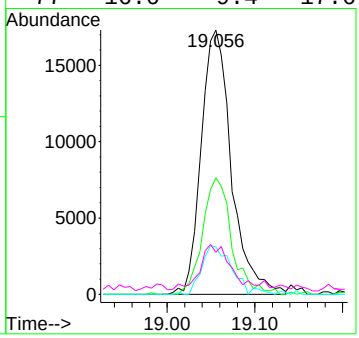


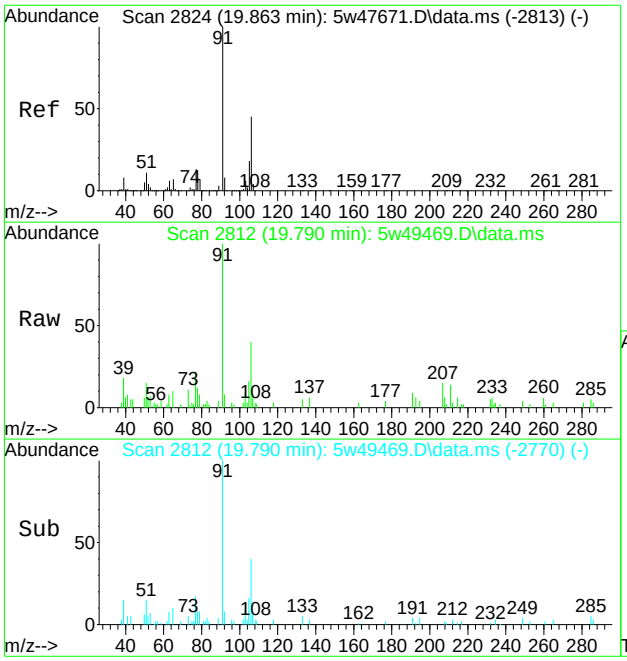


#79
m,p-Xylene
Concen: 0.46 ppb(v)
RT: 19.056 min Scan# 2692
Delta R.T. -0.086 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 91 Resp: 41389

Ion	Ratio	Lower	Upper
91	100		
106	44.1	32.6	60.5
105	18.0	14.5	26.9
77	16.0	9.4	17.6

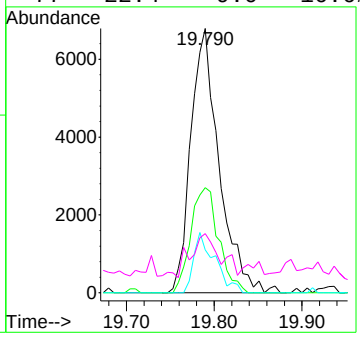




#82
o-Xylene
Concen: 0.16 ppb(v)
RT: 19.790 min Scan# 2812
Delta R.T. -0.073 min
Lab File: 5w49469.D
Acq: 23 Apr 2022 10:03 pm

Tgt Ion: 91 Resp: 15295

Ion	Ratio	Lower	Upper
91	100		
106	39.8	31.6	58.6
105	16.3	12.4	23.0
77	22.4	9.0	16.6#



Manual Integration Approval Summary

Sample Number: JD41994-6
Lab FileID: 5W49469.D
Injection Time: 04/23/22 22:03

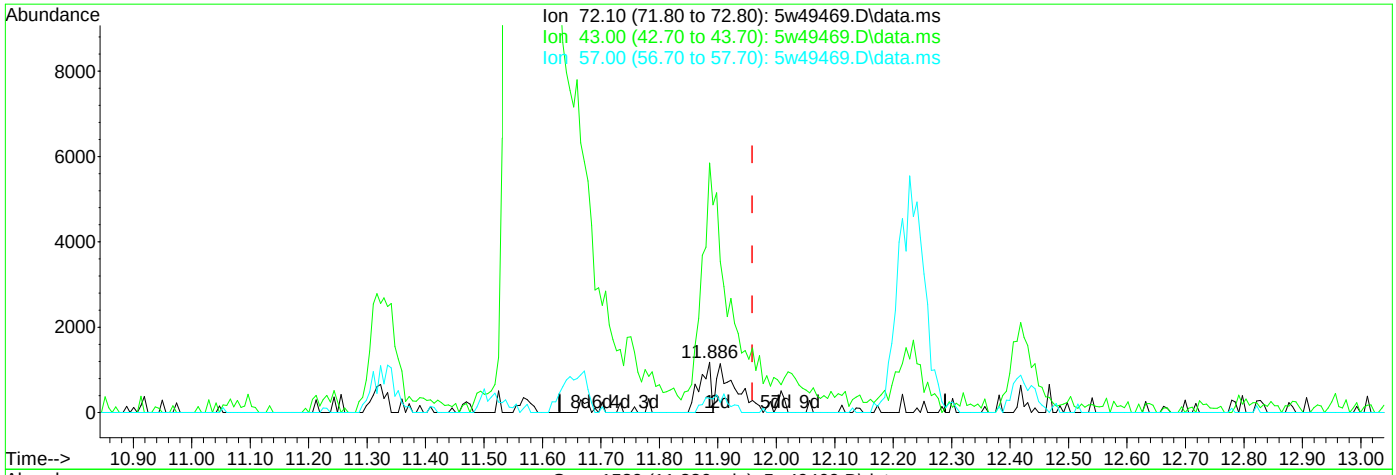
Method: TO-15
Analyst approved: 04/26/22 13:19 Thomas Hilbig
Supervisor approved: 04/26/22 13:38 Kanya Veerawat

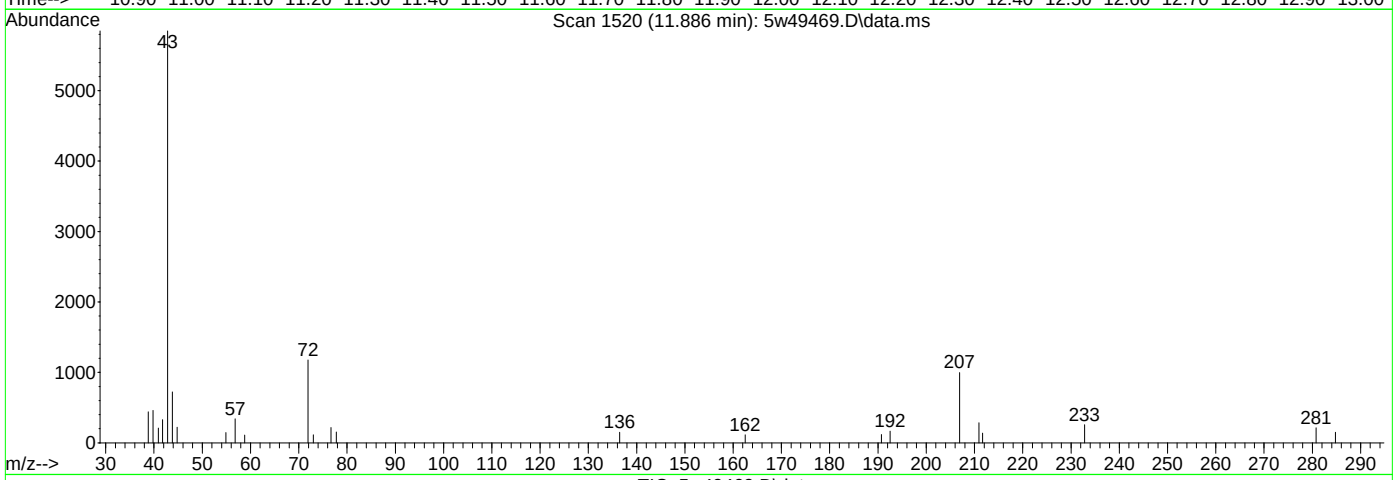
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl ethyl ketone	78-93-3		11.89	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49469.D
Acq On : 23 Apr 2022 10:03 pm
Operator : thomash
Sample : jd41994-6
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Apr 25 10:04:27 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49469.D\data.ms

(38) 2-Butanone

11.886min (-0.073) 0.15ppb(v)

response 1561

Ion	Exp%	Act%
72.10	100	100
43.00	435.90	497.03
57.00	33.00	28.89
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 13:41

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49475.D
Acq On : 24 Apr 2022 3:14 am
Operator : thomash
Sample : jd41994-7
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 13:10:30 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

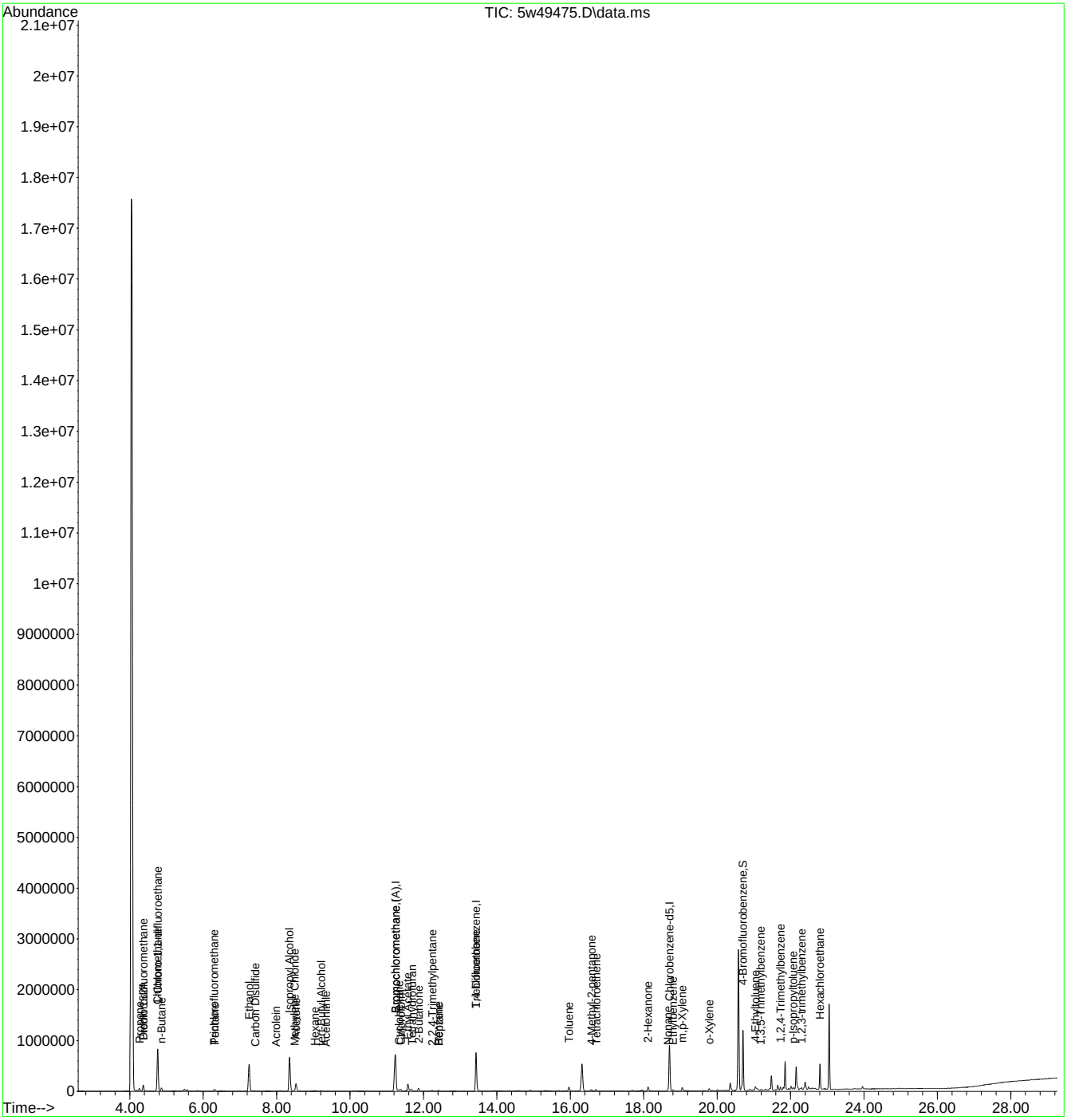
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.243	130	190233	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.433	114	667884	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.701	82	341372	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.243	130	190233	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	337921	7.83	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 78.30%			
Target Compounds						Qvalue
2) Freon 152A	4.367	65	39879	3.17	ppb(v	93
4) Propene	4.269	41	5580	0.35	ppb(v#	78
6) Dichlorodifluoromethane	4.367	85	40415	0.54	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.765	65	1006231	19.35	ppb(v	99
8) Chloromethane	4.759	50	20945m	1.04	ppb(v	
12) n-Butane	4.863	58	6015	2.04	ppb(v#	67
16) Acetonitrile	9.347	41	3798	0.23	ppb(v#	61
20) Acrolein	7.983	56	3088	0.36	ppb(v#	93
21) Trichlorofluoromethane	6.300	101	18864	0.30	ppb(v	82
22) Acetone	8.527	58	63551	7.67	ppb(v	72
23) Pentane	6.325	57	2660	0.49	ppb(v	83
25) Isopropyl Alcohol	8.350	43	238108	33.58	ppb(v	77
28) Methylene Chloride	8.490	84	4012	0.20	ppb(v#	83
29) Carbon Disulfide	7.420	76	13619	0.21	ppb(v#	74
30) Ethanol	7.255	45	823515	105.69	ppb(v	99
34) tert-Butyl Alcohol	9.212	59	24763	0.53	ppb(v	97
38) 2-Butanone	11.873	72	18644	2.17	ppb(v	97
39) Hexane	9.047	56	3122	0.17	ppb(v	85
42) Ethyl Acetate	11.574	61	26221	4.27	ppb(v#	77
44) Chloroform	11.390	83	30988	0.57	ppb(v	94
46) Tetrahydrofuran	11.690	72	1180	0.13	ppb(v	75
49) Benzene	12.412	78	13467	0.20	ppb(v#	1
51) Cyclohexane	11.341	56	5680	0.17	ppb(v#	82
54) 2,2,4-Trimethylpentane	12.241	57	23460	0.24	ppb(v#	90
55) Heptane	12.424	71	2148	0.11	ppb(v#	68
56) Trichloroethene	13.433	97	1826	0.09	ppb(v#	1
64) 4-Methyl-2-pentanone	16.584	58	10132	0.55	ppb(v#	81
66) Toluene	15.966	91	73461	0.97	ppb(v#	74
69) 2-Hexanone	18.114	43	23768	0.47	ppb(v#	56
72) Tetrachloroethene	16.706	166	9247	0.22	ppb(v	93
78) Ethylbenzene	18.799	91	19382	0.19	ppb(v	93
79) m,p-Xylene	19.050	91	49577	0.65	ppb(v	93
81) Nonane	18.658	43	12775	0.24	ppb(v#	98
82) o-Xylene	19.790	91	24617	0.31	ppb(v#	96
91) 4-Ethyltoluene	21.044	105	33707	0.35	ppb(v#	92
92) 1,3,5-Trimethylbenzene	21.185	105	10321	0.13	ppb(v#	80
95) 1,2,4-Trimethylbenzene	21.729	105	35362	0.45	ppb(v	94
97) 1,2,3-trimethylbenzene	22.304	105	13168	0.18	ppb(v#	65
101) p-Isopropyltoluene	22.066	134	3558	0.14	ppb(v	85
104) Hexachloroethane	22.806	201	74044	2.47	ppb(v	100

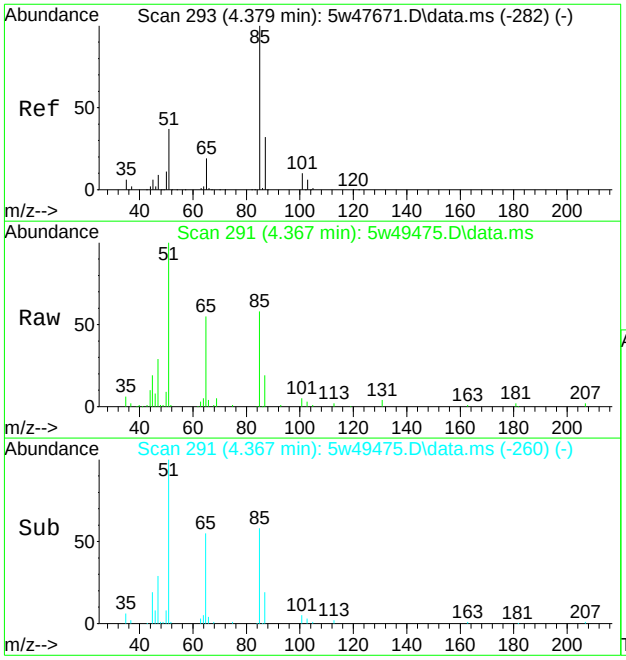
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49475.D
Acq On : 24 Apr 2022 3:14 am
Operator : thomash
Sample : jd41994-7
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 26 13:10:30 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

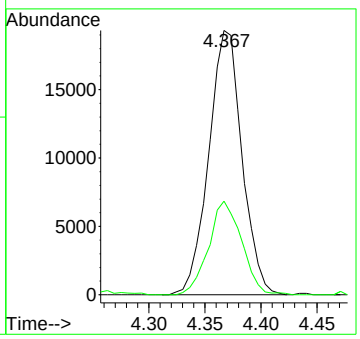


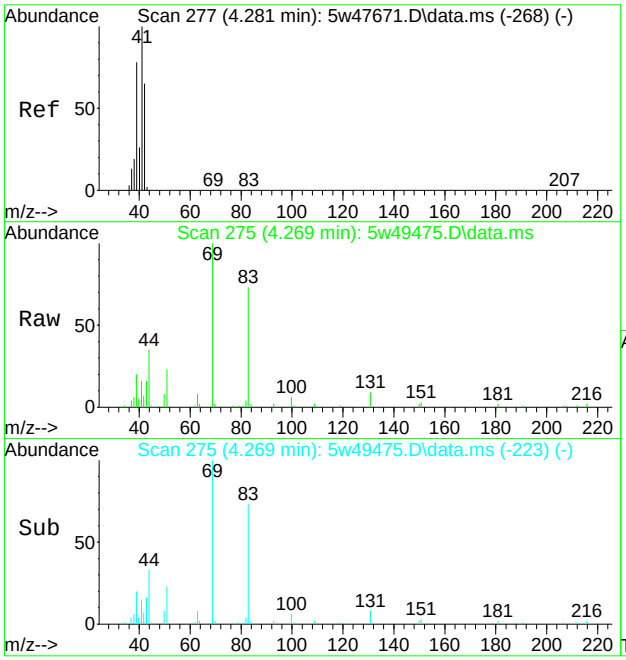


#2
Freon 152A
Concen: 3.17 ppb(v)
RT: 4.367 min Scan# 291
Delta R.T. -0.012 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 65 Resp: 39879

Ion	Ratio	Lower	Upper
65	100		
45	35.4	22.0	41.0

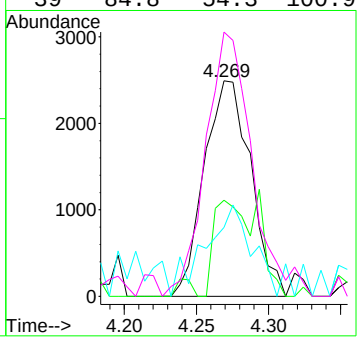


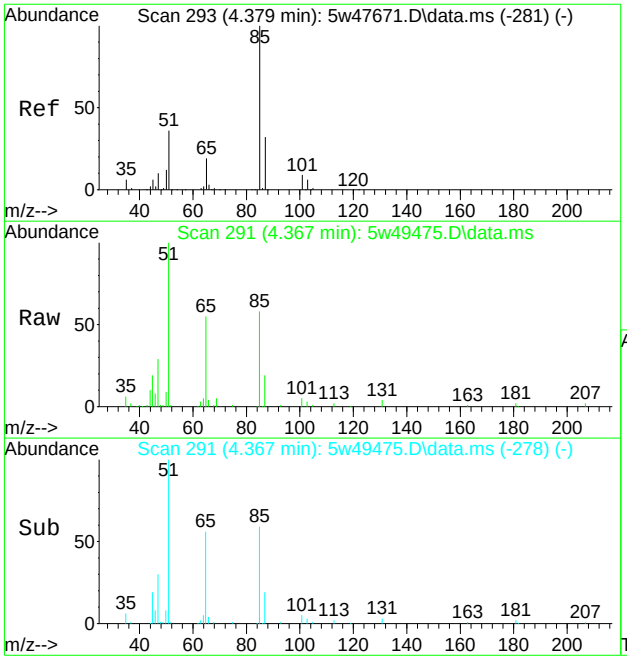


#4
Propene
Concen: 0.35 ppb(v)
RT: 4.269 min Scan# 275
Delta R.T. -0.012 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 41 Resp: 5580

Ion	Ratio	Lower	Upper
41	100		
42	30.8	45.6	84.8#
40	22.1	18.4	34.2
39	84.8	54.3	100.9

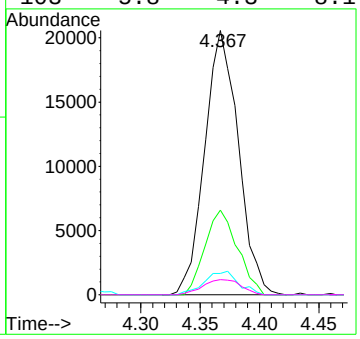


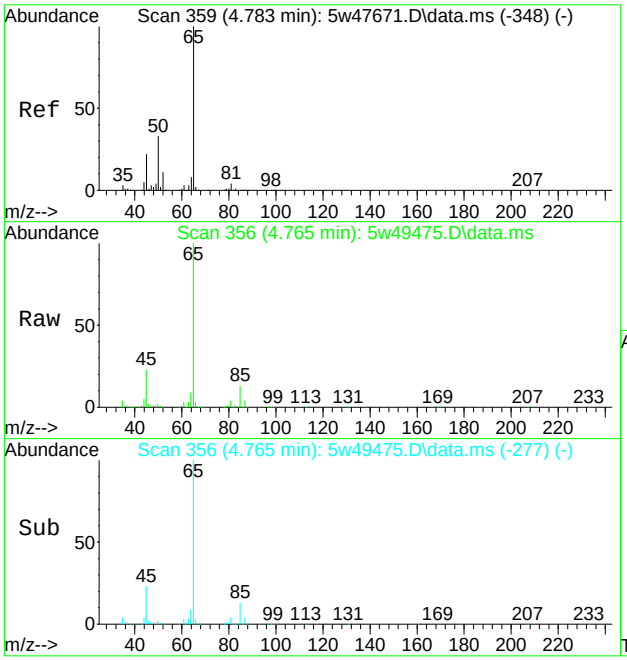


#6
Dichlorodifluoromethane
Concen: 0.54 ppb(v)
RT: 4.367 min Scan# 291
Delta R.T. -0.012 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 85 Resp: 40415

Ion	Ratio	Lower	Upper
85	100		
87	32.0	22.7	42.1
101	8.1	6.5	12.1
103	5.8	4.3	8.1

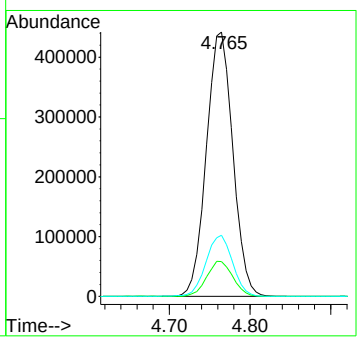


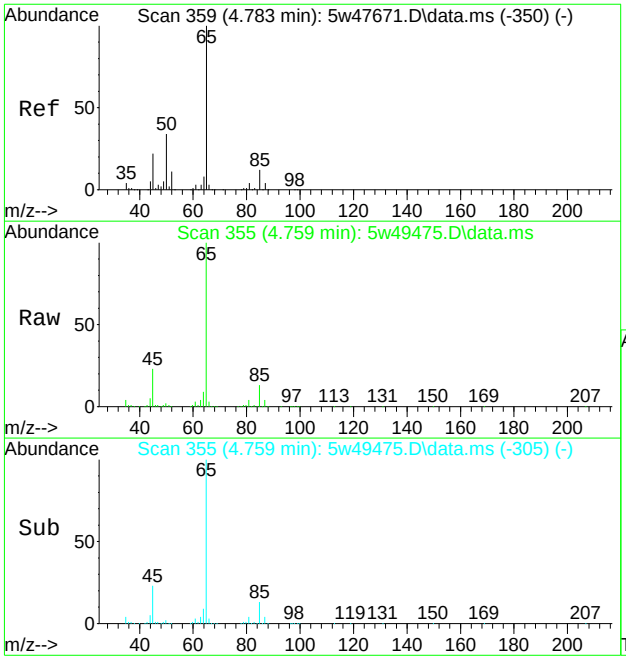


#7
1-Chloro-1,1-difluoroethane
Concen: 19.35 ppb(v)
RT: 4.765 min Scan# 356
Delta R.T. -0.018 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 65 Resp: 1006231

Ion	Ratio	Lower	Upper
65	100		
85	13.1	10.9	16.3
45	23.4	18.3	27.5

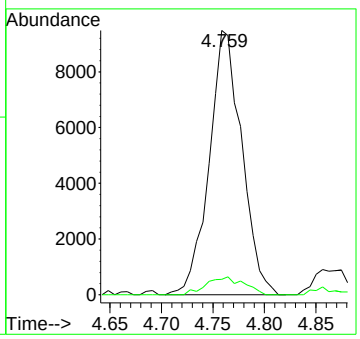


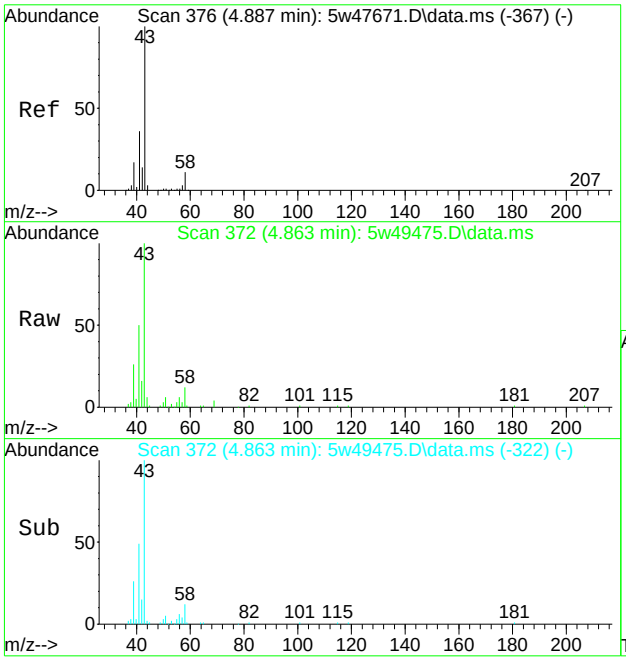


#8
Chloromethane
Concen: 1.04 ppb(v) m
RT: 4.759 min Scan# 355
Delta R.T. -0.025 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 50 Resp: 20945

Ion	Ratio	Lower	Upper
50	100		
52	5.9	22.0	40.8#

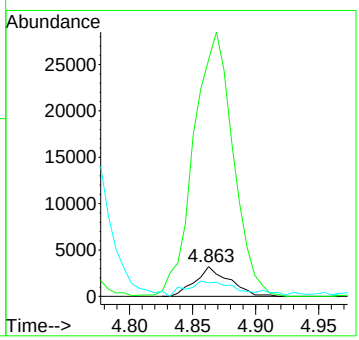


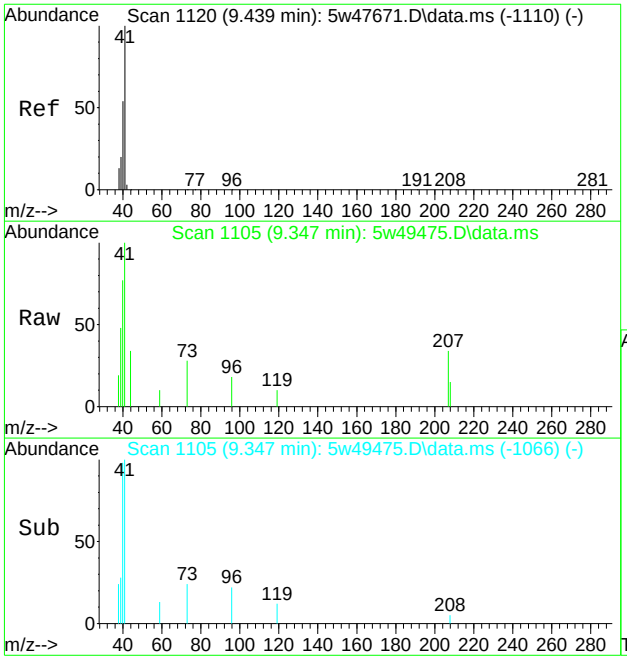


#12
n-Butane
Concen: 2.04 ppb(v)
RT: 4.863 min Scan# 372
Delta R.T. -0.025 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 58 Resp: 6015

Ion	Ratio	Lower	Upper
58	100		
43	793.8	653.7	1213.9
44	51.2	23.2	43.0#

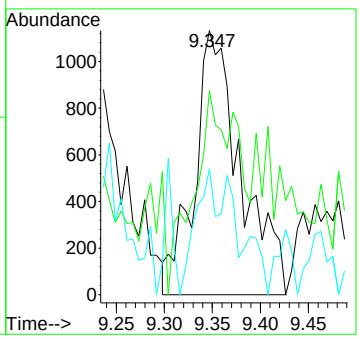


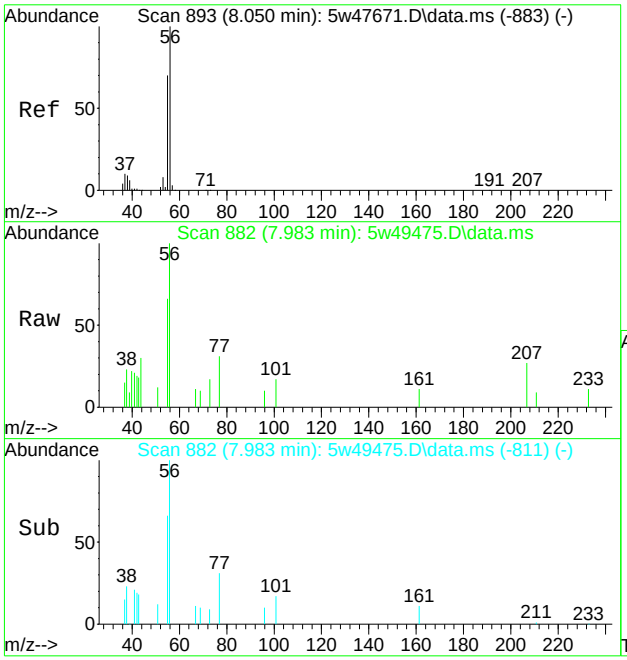


#16
Acetonitrile
Concen: 0.23 ppb(v)
RT: 9.347 min Scan# 1105
Delta R.T. -0.092 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 41 Resp: 3798

Ion	Ratio	Lower	Upper
41	100		
40	77.2	38.1	70.9#
39	47.6	14.1	26.3#

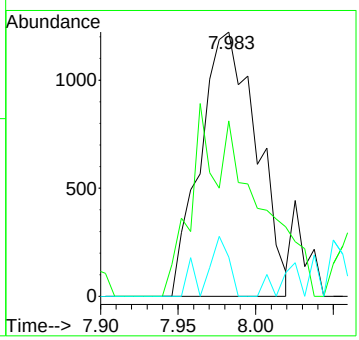


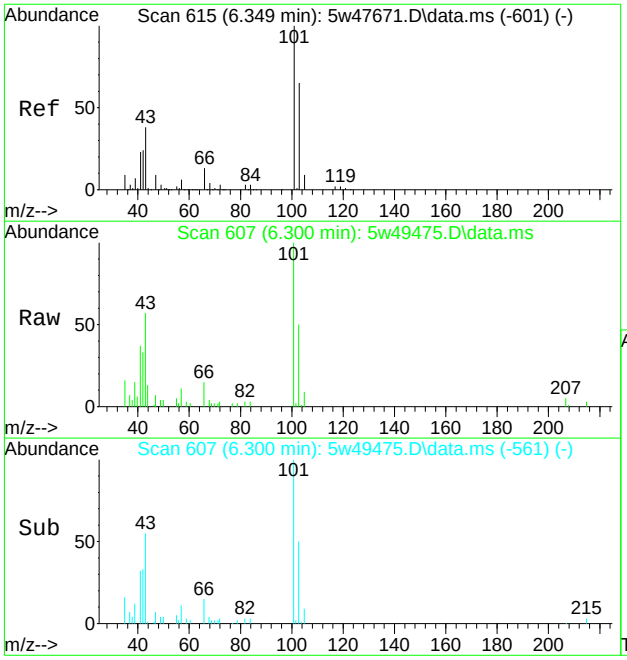


#20
Acrolein
Concen: 0.36 ppb(v)
RT: 7.983 min Scan# 882
Delta R.T. -0.067 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 56 Resp: 3088

Ion	Ratio	Lower	Upper
56	100		
55	78.3	59.9	89.9
37	0.0	8.1	12.1#

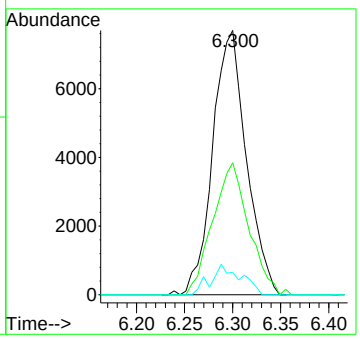


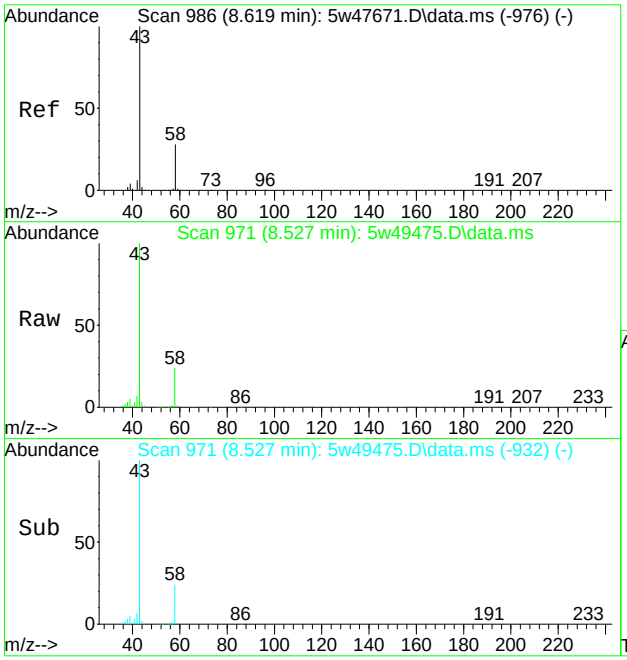


#21
Trichlorofluoromethane
Concen: 0.30 ppb(v)
RT: 6.300 min Scan# 607
Delta R.T. -0.049 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion:101 Resp: 18864

Ion	Ratio	Lower	Upper
101	100		
103	49.0	45.6	84.8
105	8.4	7.4	13.8

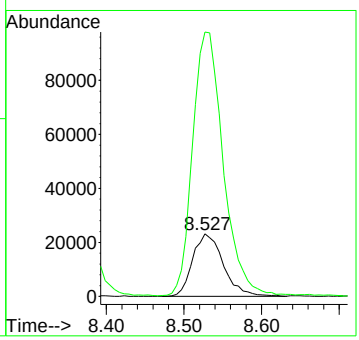


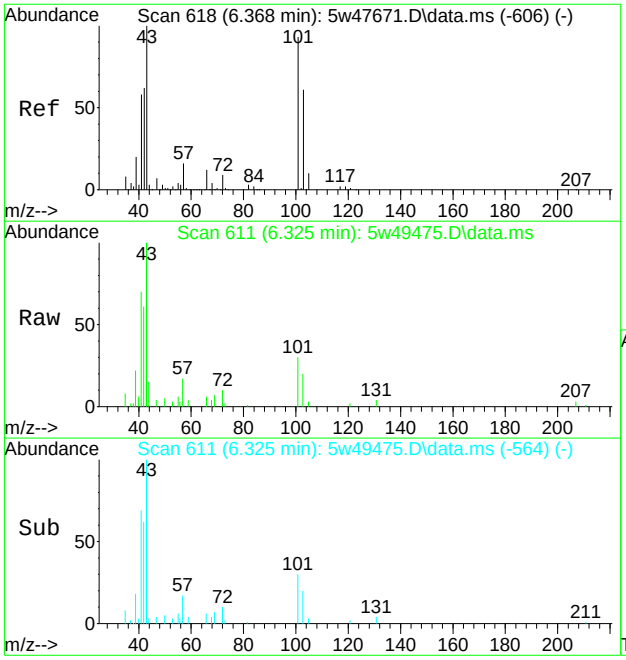


#22
Acetone
Concen: 7.67 ppb(v)
RT: 8.527 min Scan# 971
Delta R.T. -0.092 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 58 Resp: 63551

Ion	Ratio	Lower	Upper
58	100		
43	422.8	253.0	469.8

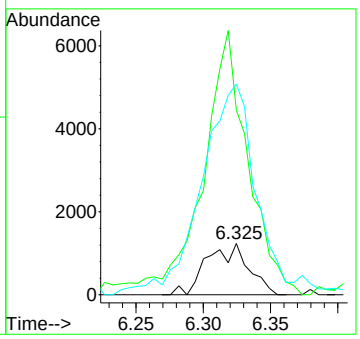


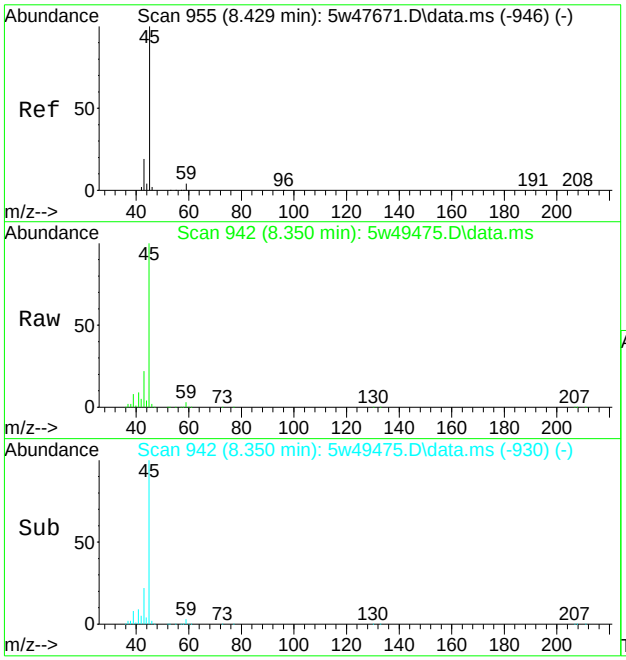


#23
Pentane
Concen: 0.49 ppb(v)
RT: 6.325 min Scan# 611
Delta R.T. -0.043 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 57 Resp: 2660

Ion	Ratio	Lower	Upper
57	100		
42	360.4	277.7	515.7
41	411.2	257.1	477.5

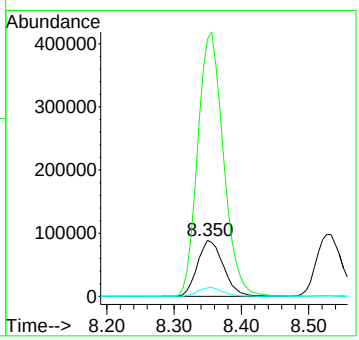


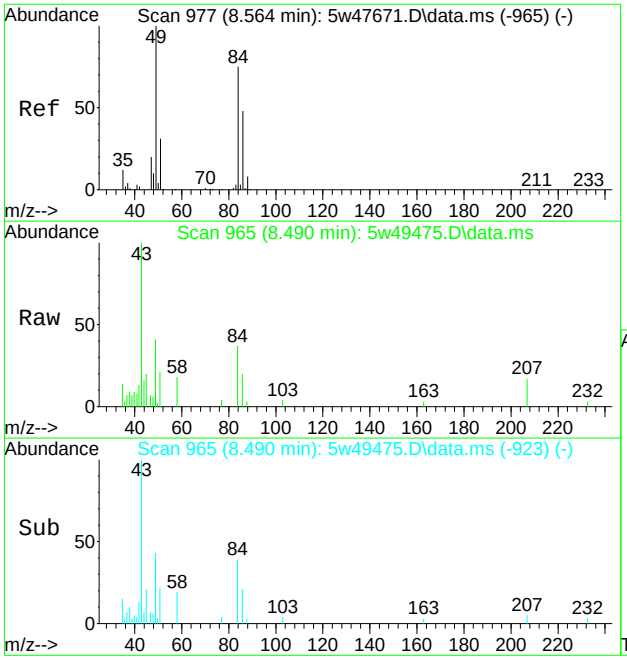


#25
Isopropyl Alcohol
Concen: 33.58 ppb(v)
RT: 8.350 min Scan# 942
Delta R.T. -0.079 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 43 Resp: 238108

Ion	Ratio	Lower	Upper
43	100		
45	459.0	367.4	682.2
59	14.9	13.7	25.5

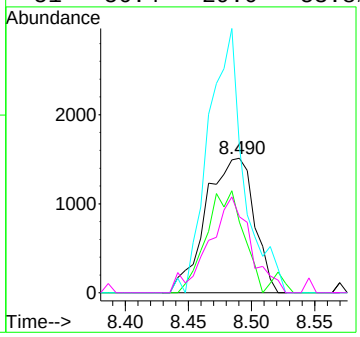


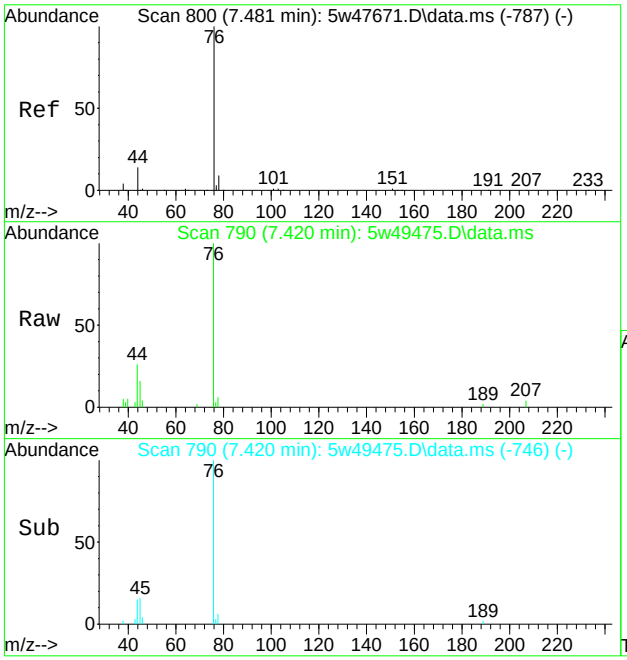


#28
Methylene Chloride
Concen: 0.20 ppb(v)
RT: 8.490 min Scan# 965
Delta R.T. -0.073 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 84 Resp: 4012

Ion	Ratio	Lower	Upper
84	100		
86	52.5	44.8	83.2
49	115.4	93.5	173.7
51	56.4	29.0	53.8#

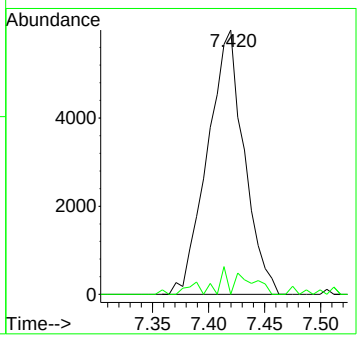


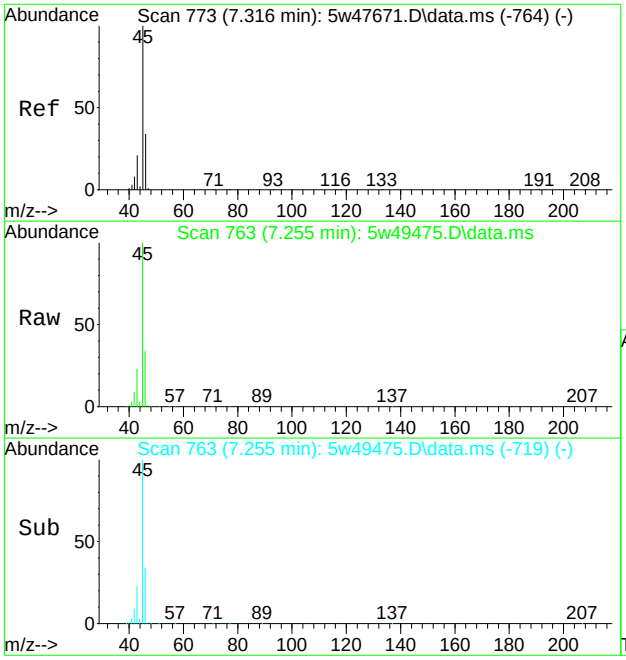


#29
Carbon Disulfide
Concen: 0.21 ppb(v)
RT: 7.420 min Scan# 790
Delta R.T. -0.061 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 76 Resp: 13619

Ion	Ratio	Lower	Upper
76	100		
78	0.0	6.5	12.1#

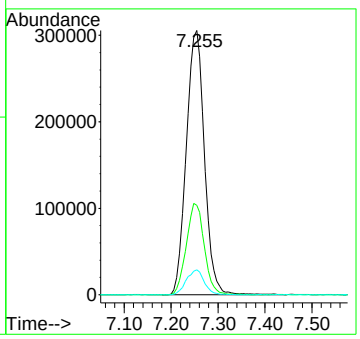


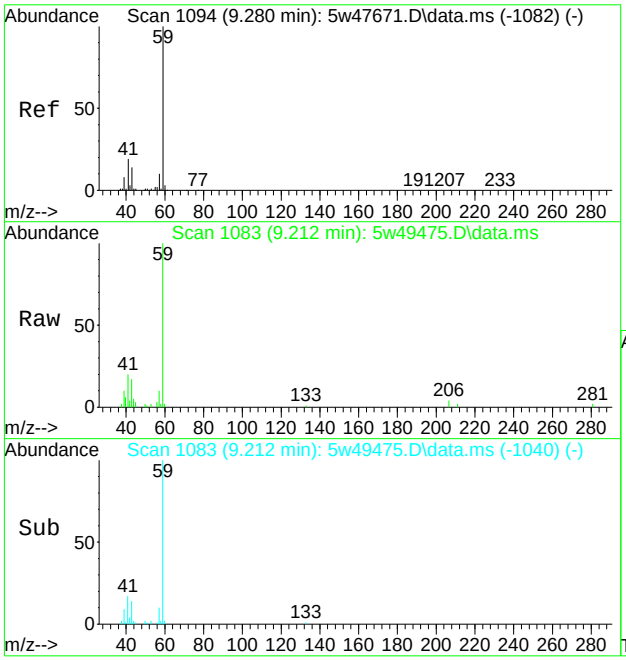


#30
Ethanol
Concen: 105.69 ppb(v)
RT: 7.255 min Scan# 763
Delta R.T. -0.061 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 45 Resp: 823515

Ion	Ratio	Lower	Upper
45	100		
46	33.8	23.9	44.5
42	9.5	5.9	11.1

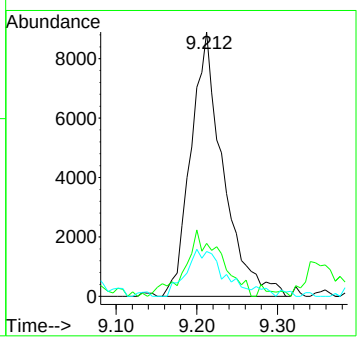


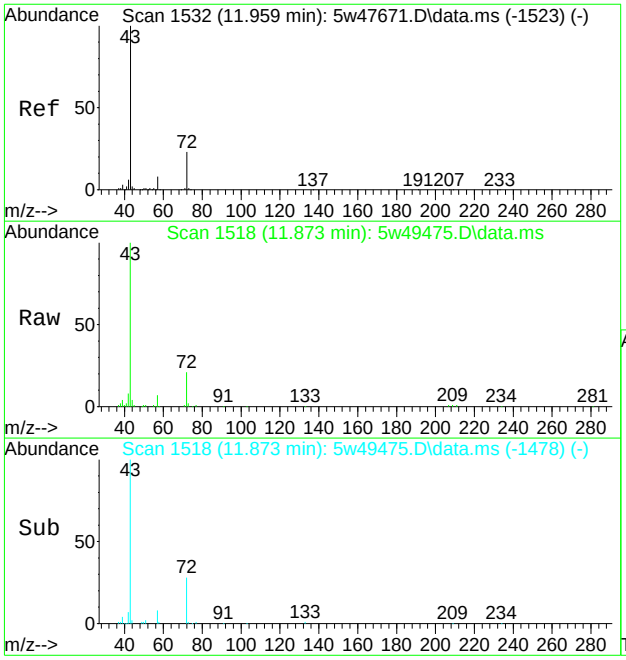


#34
tert-Butyl Alcohol
Concen: 0.53 ppb(v)
RT: 9.212 min Scan# 1083
Delta R.T. -0.067 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 59 Resp: 24763

Ion	Ratio	Lower	Upper
59	100		
41	20.0	13.8	25.6
43	16.9	10.3	19.1

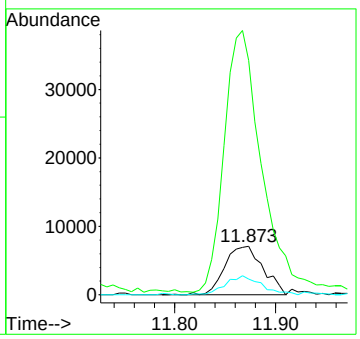


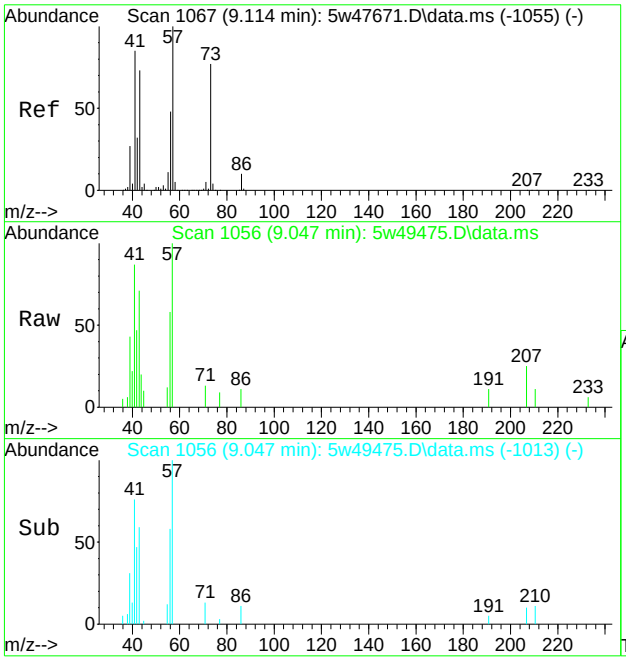


#38
2-Butanone
Concen: 2.17 ppb(v)
RT: 11.873 min Scan# 1518
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 72 Resp: 18644

Ion	Ratio	Lower	Upper
72	100		
43	443.0	305.1	566.7
57	31.8	23.1	42.9

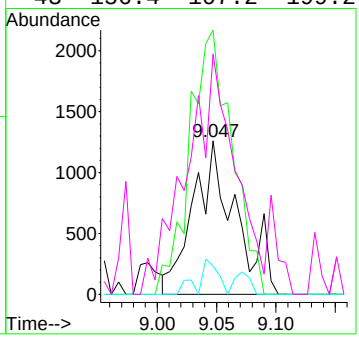


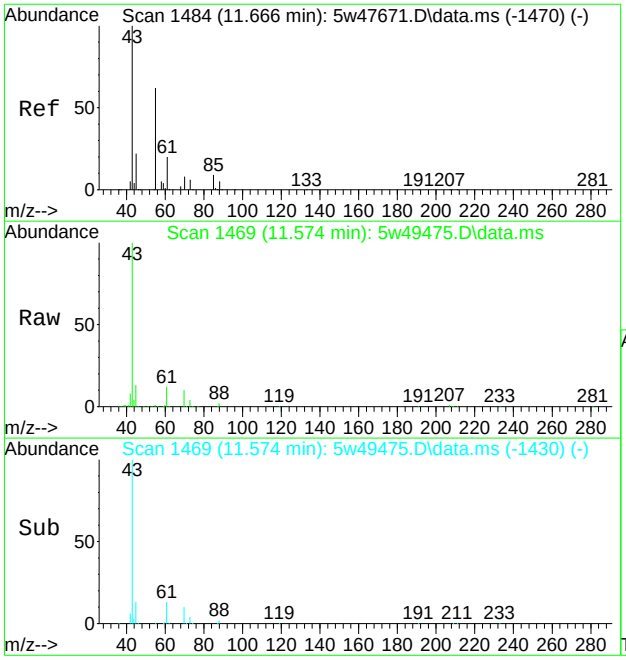


#39
Hexane
Concen: 0.17 ppb(v)
RT: 9.047 min Scan# 1056
Delta R.T. -0.067 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 56 Resp: 3122

Ion	Ratio	Lower	Upper
56	100		
57	172.0	147.0	273.0
86	18.5	15.3	28.3
43	156.4	107.2	199.2

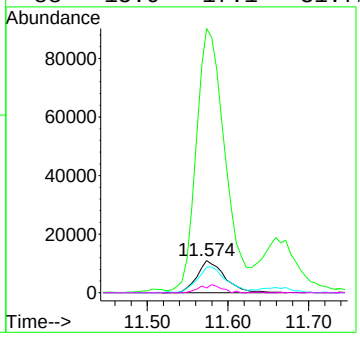


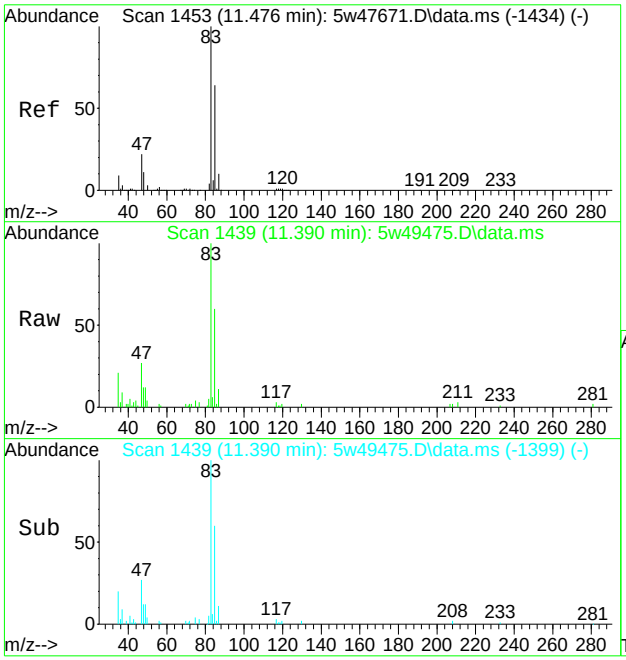


#42
Ethyl Acetate
Concen: 4.27 ppb(v)
RT: 11.574 min Scan# 1469
Delta R.T. -0.092 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 61 Resp: 26221

Ion	Ratio	Lower	Upper
61	100		
43	818.3	509.8	946.8
70	78.7	55.2	102.6
88	15.0	17.1	31.7#

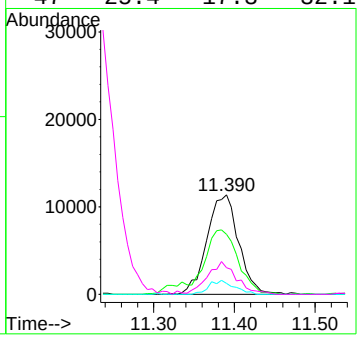


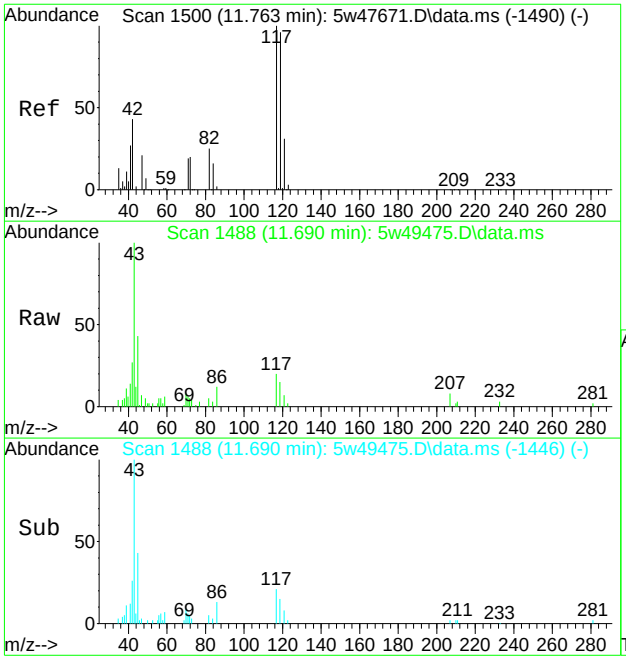


#44
Chloroform
Concen: 0.57 ppb(v)
RT: 11.390 min Scan# 1439
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 83 Resp: 30988

Ion	Ratio	Lower	Upper
83	100		
85	57.0	44.9	83.3
87	10.4	7.3	13.7
47	25.4	17.3	32.1

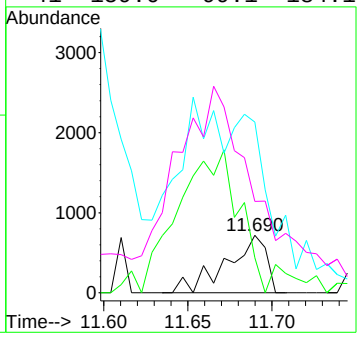


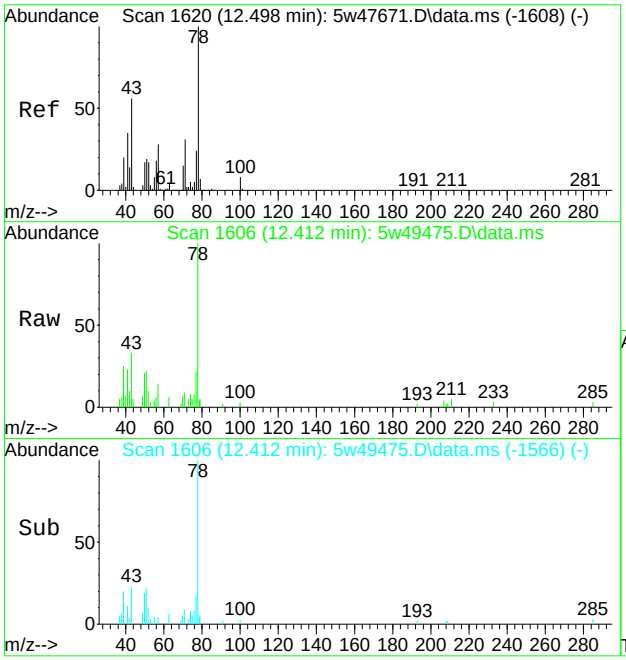


#46
Tetrahydrofuran
Concen: 0.13 ppb(v)
RT: 11.690 min Scan# 1488
Delta R.T. -0.073 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 72 Resp: 1180

Ion	Ratio	Lower	Upper
72	100		
71	115.9	69.2	128.6
42	296.7	166.3	308.9
41	159.0	99.1	184.1

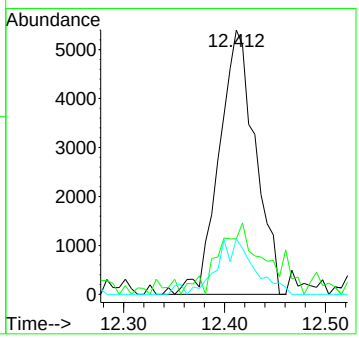


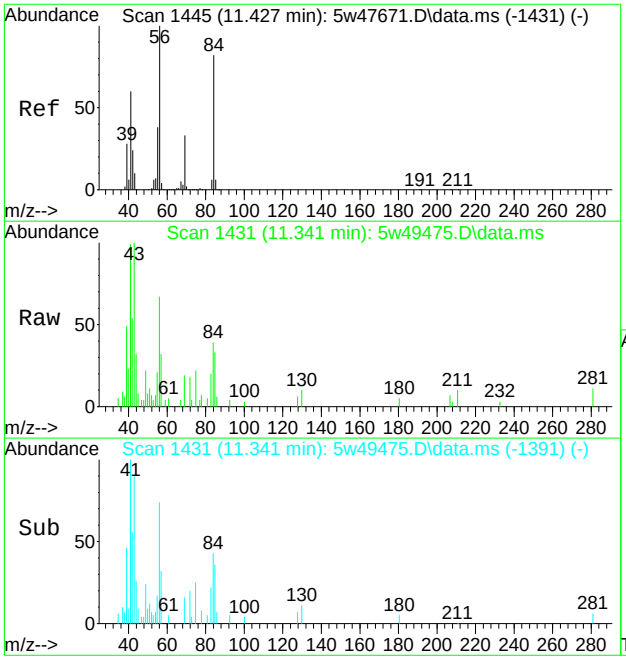


#49
Benzene
Concen: 0.20 ppb(v)
RT: 12.412 min Scan# 1606
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 78 Resp: 13467

Ion	Ratio	Lower	Upper
78	100		
77	117.0	16.9	31.5#
51	21.0	13.2	24.4

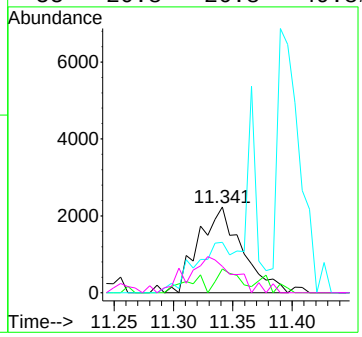


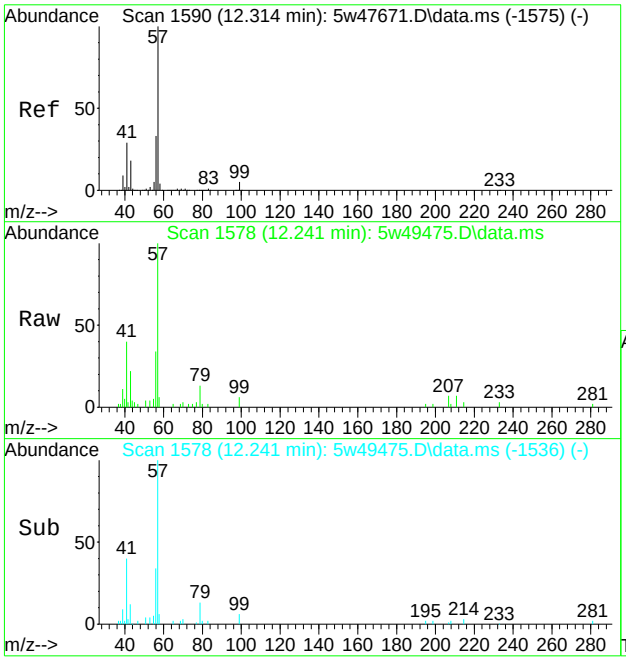


#51
Cyclohexane
Concen: 0.17 ppb(v)
RT: 11.341 min Scan# 1431
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 56 Resp: 5680

Ion	Ratio	Lower	Upper
56	100		
69	18.8	22.7	42.3#
84	72.5	57.4	106.6
55	20.8	26.8	49.8#

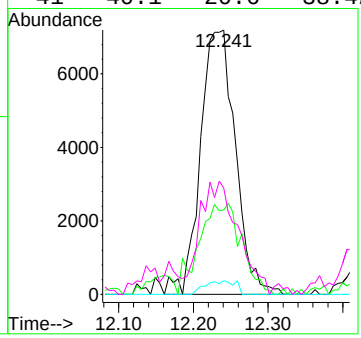


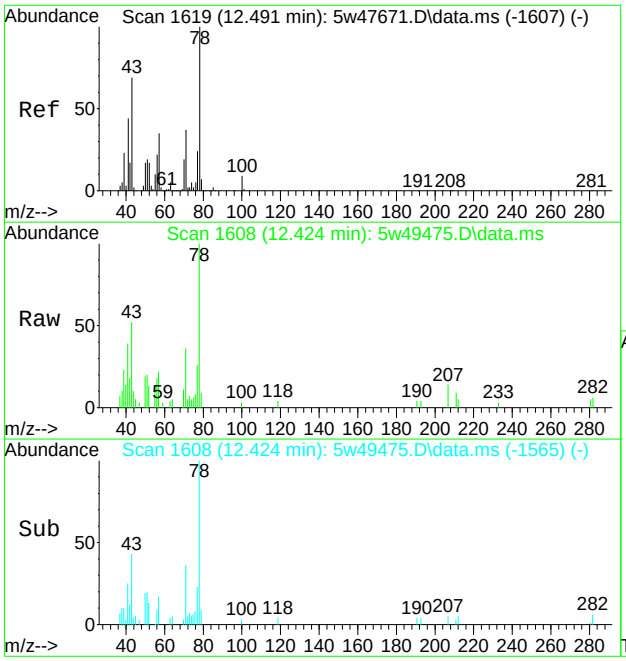


#54
2,2,4-Trimethylpentane
Concen: 0.24 ppb(v)
RT: 12.241 min Scan# 1578
Delta R.T. -0.073 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 57 Resp: 23460

Ion	Ratio	Lower	Upper
57	100		
56	31.9	23.2	43.0
99	5.2	3.2	6.0
41	40.1	20.6	38.4#

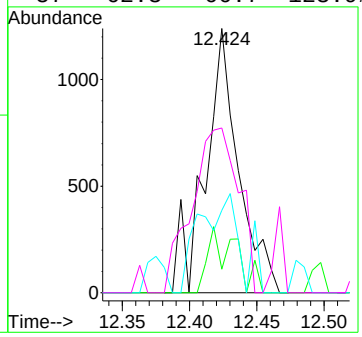


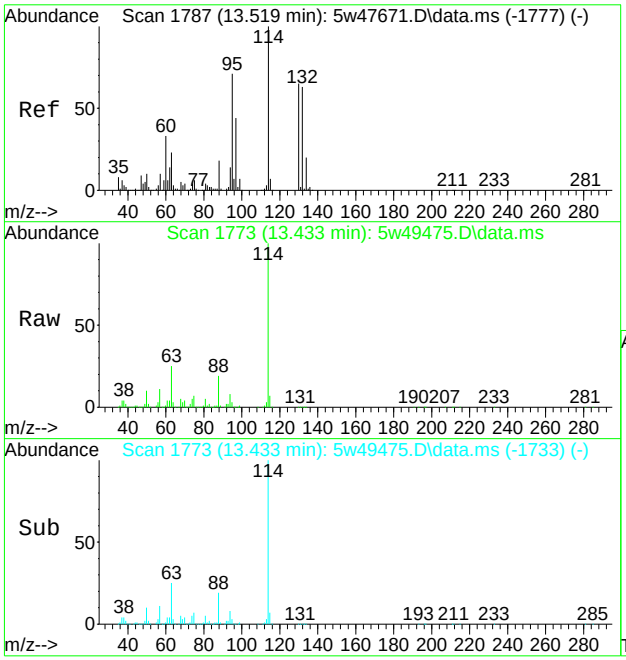


#55
Heptane
Concen: 0.11 ppb(v)
RT: 12.424 min Scan# 1608
Delta R.T. -0.067 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 71 Resp: 2148

Ion	Ratio	Lower	Upper
71	100		
100	9.0	16.7	31.1#
70	31.2	35.4	65.8#
57	62.3	66.7	123.9#

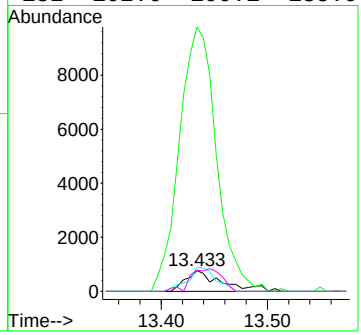


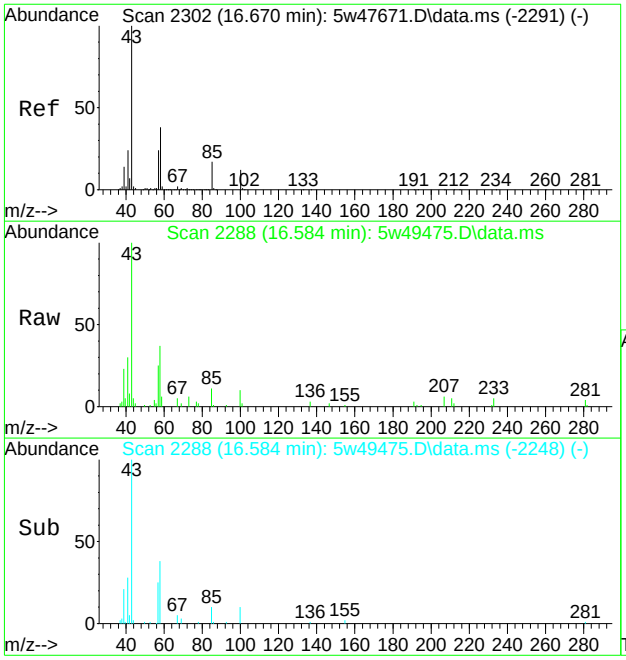


#56
Trichloroethene
Concen: 0.09 ppb(v)
RT: 13.433 min Scan# 1773
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 97 Resp: 1826

Ion	Ratio	Lower	Upper
97	100		
95	1272.6	112.8	209.6#
130	115.9	104.2	193.4
132	102.6	100.1	185.9

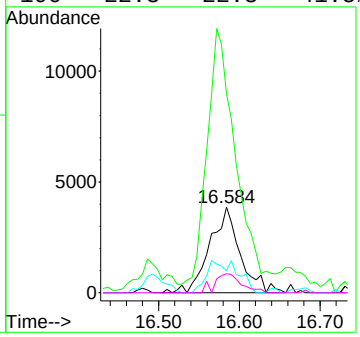


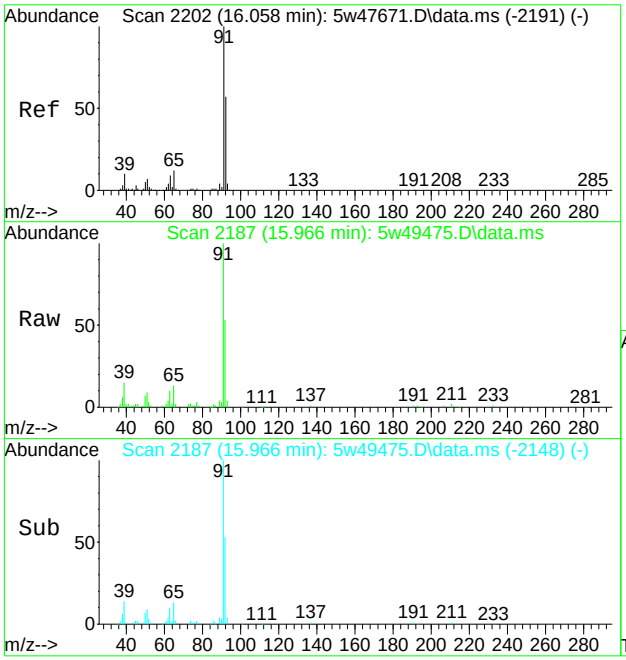


#64
4-Methyl-2-pentanone
Concen: 0.55 ppb(v)
RT: 16.584 min Scan# 2288
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 58 Resp: 10132

Ion	Ratio	Lower	Upper
58	100		
43	231.4	183.3	340.3
85	25.4	31.4	58.2#
100	22.3	22.3	41.5#

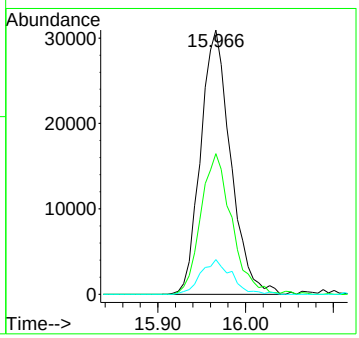


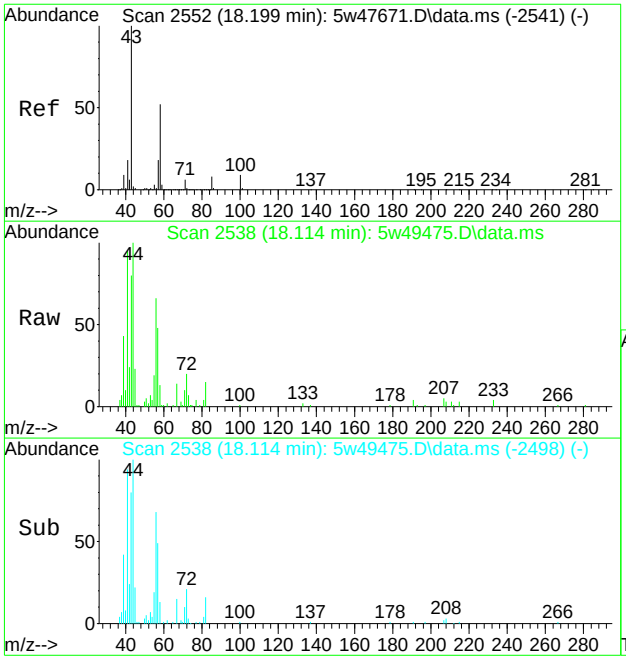


#66
Toluene
Concen: 0.97 ppb(v)
RT: 15.966 min Scan# 2187
Delta R.T. -0.092 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 91 Resp: 73461

Ion	Ratio	Lower	Upper
91	100		
92	34.7	39.8	74.0#
65	8.6	8.6	16.0#

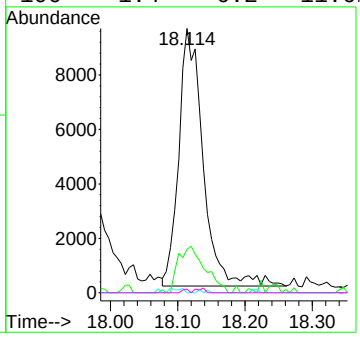


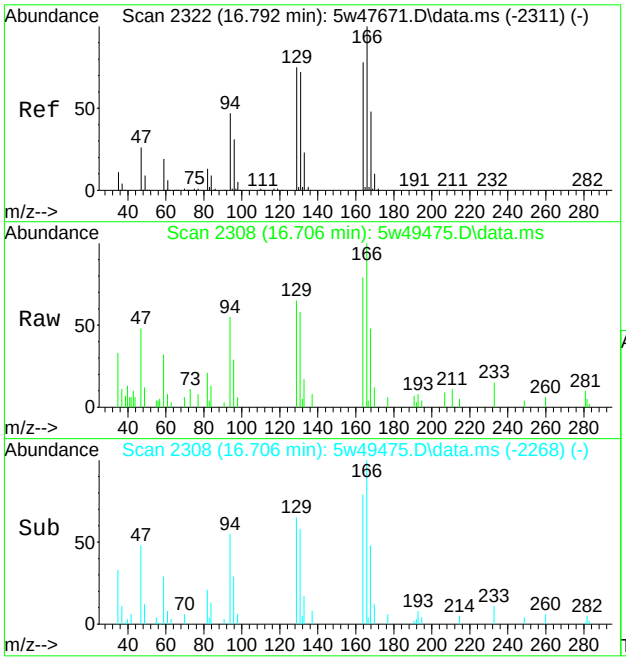


#69
2-Hexanone
Concen: 0.47 ppb(v)
RT: 18.114 min Scan# 2538
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 43 Resp: 23768

Ion	Ratio	Lower	Upper
43	100		
58	16.5	36.5	67.7#
85	0.0	5.9	10.9#
100	1.4	6.2	11.6#

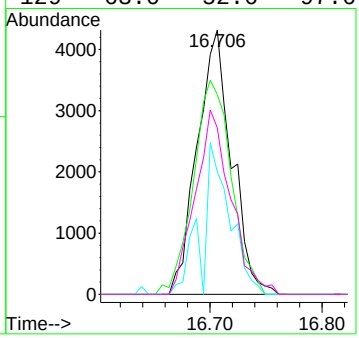


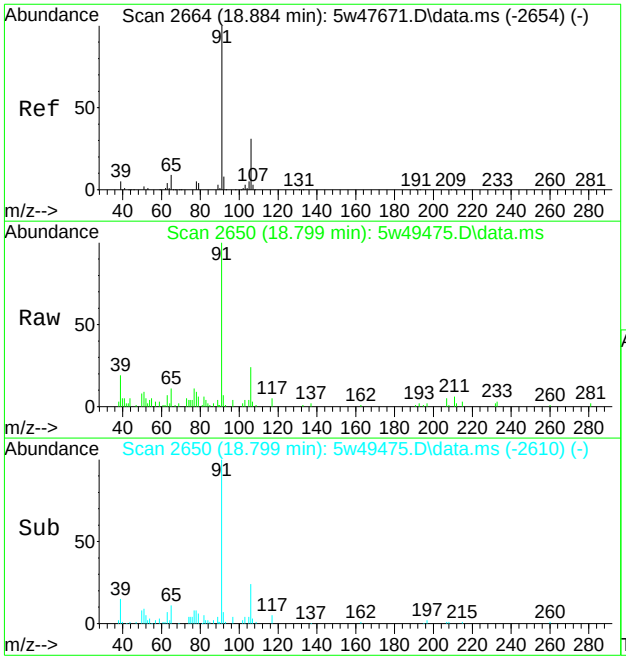


#72
Tetrachloroethene
Concen: 0.22 ppb(v)
RT: 16.706 min Scan# 2308
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion:166 Resp: 9247

Ion	Ratio	Lower	Upper
166	100		
164	75.6	54.5	101.3
168	46.3	33.5	62.3
129	63.0	52.6	97.6

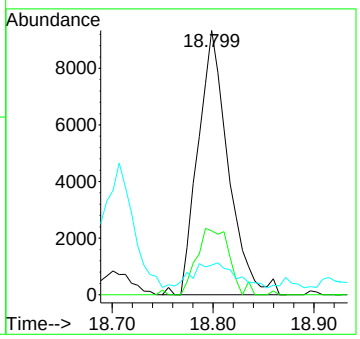


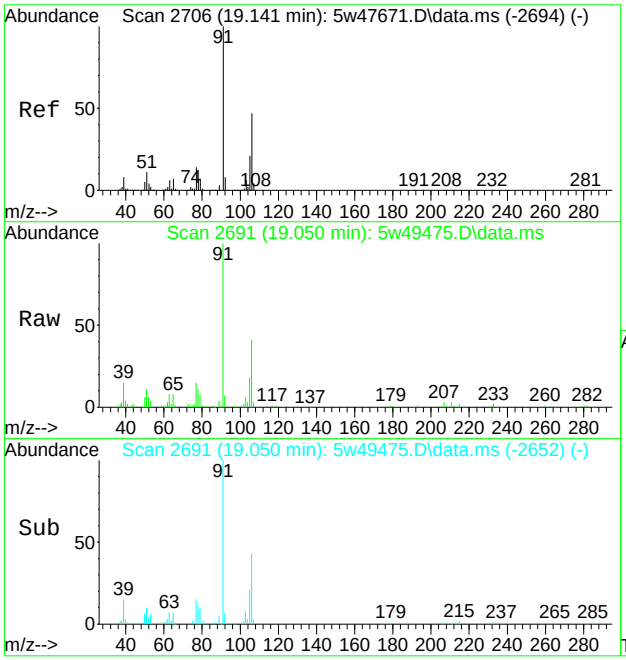


#78
Ethylbenzene
Concen: 0.19 ppb(v)
RT: 18.799 min Scan# 2650
Delta R.T. -0.086 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 91 Resp: 19382

Ion	Ratio	Lower	Upper
91	100		
106	25.9	21.4	39.8
77	10.6	6.6	12.2

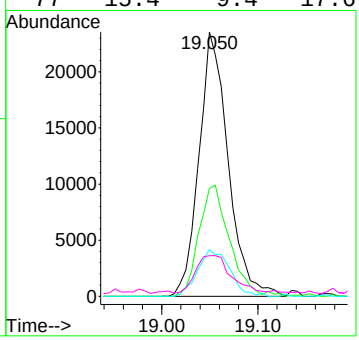


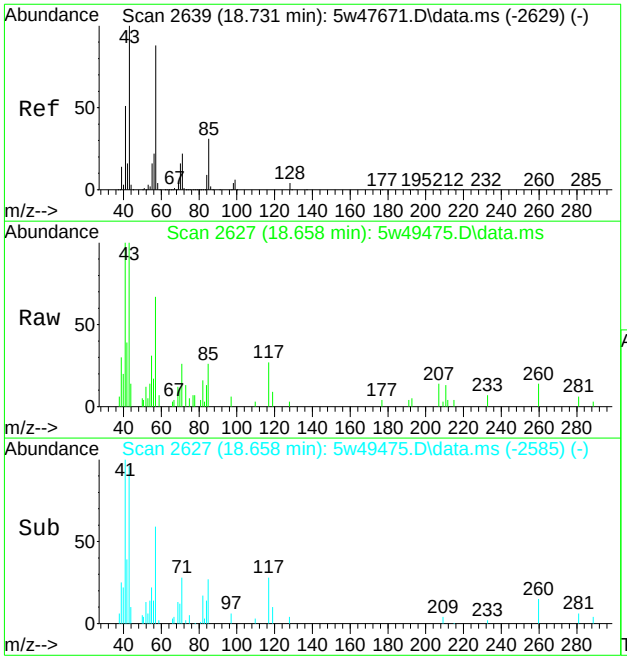


#79
m,p-Xylene
Concen: 0.65 ppb(v)
RT: 19.050 min Scan# 2691
Delta R.T. -0.092 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 91 Resp: 49577

Ion	Ratio	Lower	Upper
91	100		
106	40.8	32.6	60.5
105	17.7	14.5	26.9
77	15.4	9.4	17.6

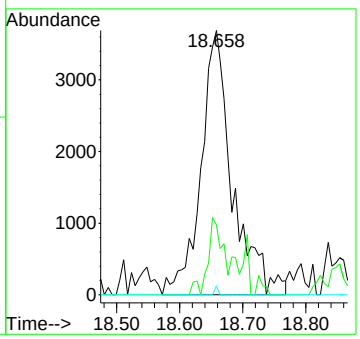


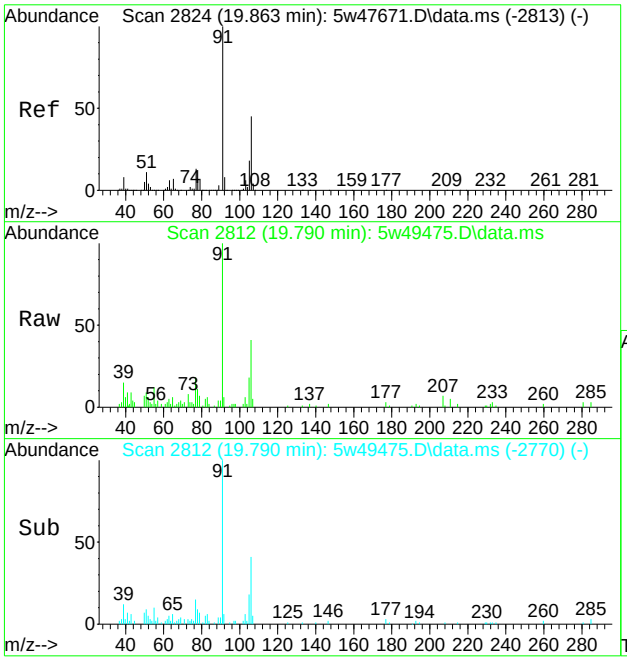


#81
Nonane
Concen: 0.24 ppb(v)
RT: 18.658 min Scan# 2627
Delta R.T. -0.073 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 43 Resp: 12775

Ion	Ratio	Lower	Upper
43	100		
71	23.0	15.5	28.7
128	2.9	2.9	5.5#

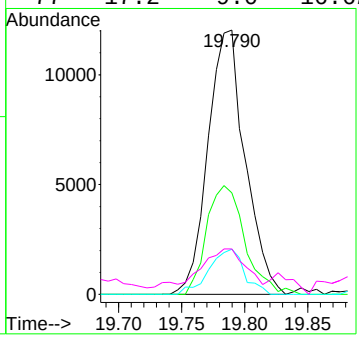


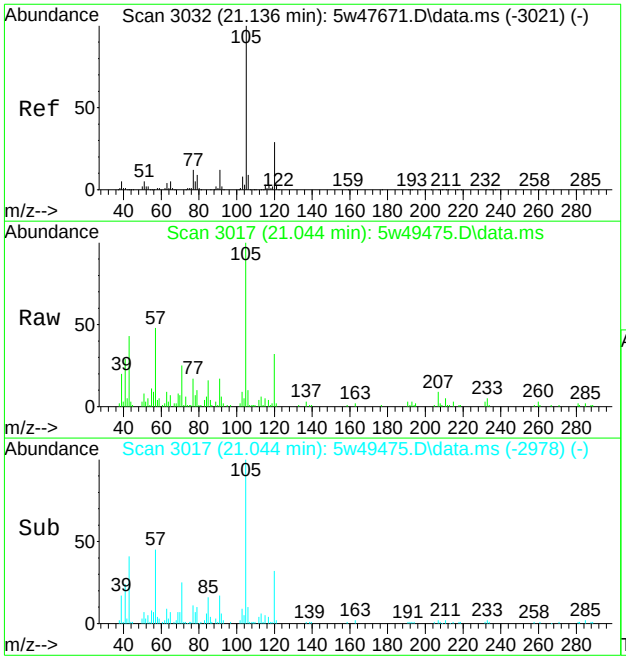


#82
o-Xylene
Concen: 0.31 ppb(v)
RT: 19.790 min Scan# 2812
Delta R.T. -0.073 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion: 91 Resp: 24617

Ion	Ratio	Lower	Upper
91	100		
106	43.1	31.6	58.6
105	17.1	12.4	23.0
77	17.2	9.0	16.6#

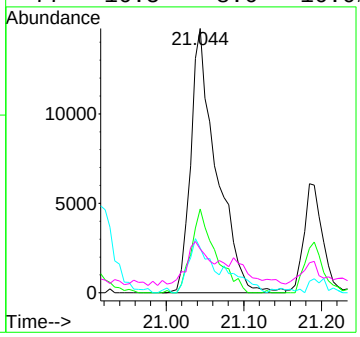


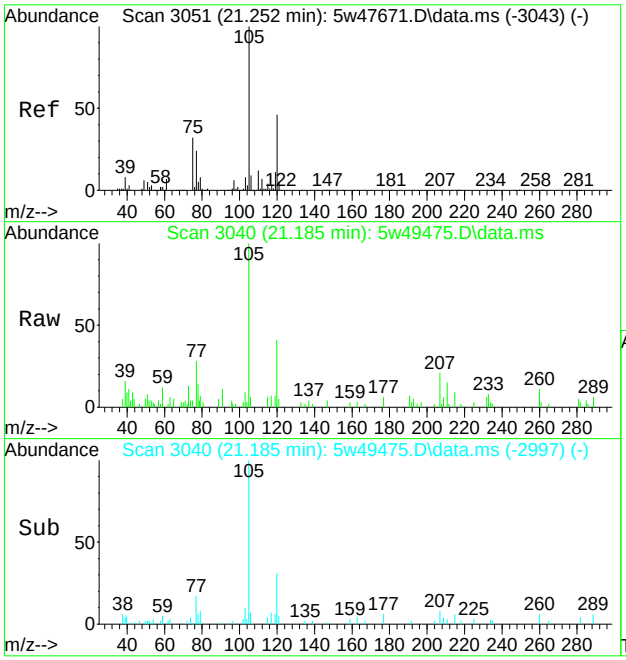


#91
4-Ethyltoluene
Concen: 0.35 ppb(v)
RT: 21.044 min Scan# 3017
Delta R.T. -0.092 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion:105 Resp: 33707

Ion	Ratio	Lower	Upper
105	100		
120	31.8	20.5	38.1
91	17.0	8.2	15.2#
77	16.5	8.6	16.0#

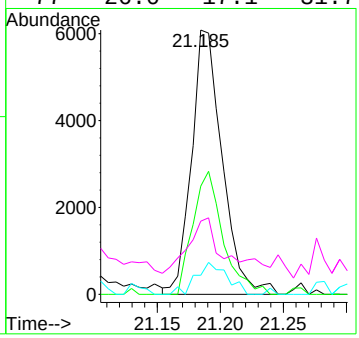


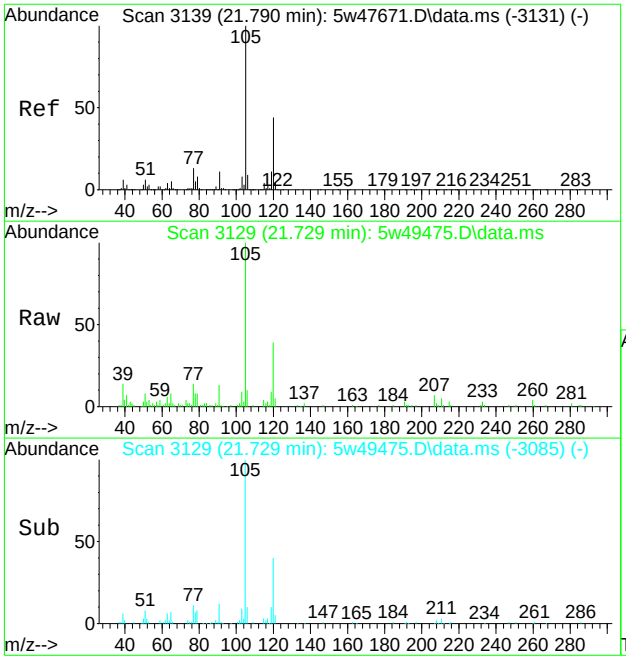


#92
1,3,5-Trimethylbenzene
Concen: 0.13 ppb(v)
RT: 21.185 min Scan# 3040
Delta R.T. -0.067 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion:105 Resp: 10321

Ion	Ratio	Lower	Upper
105	100		
120	38.6	32.3	59.9
119	45.4	7.9	14.7#
77	26.0	17.1	31.7

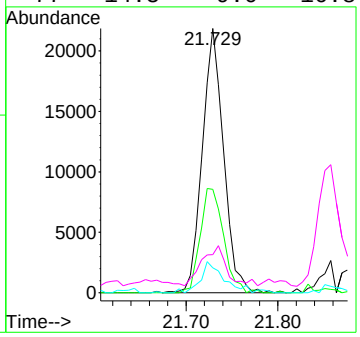


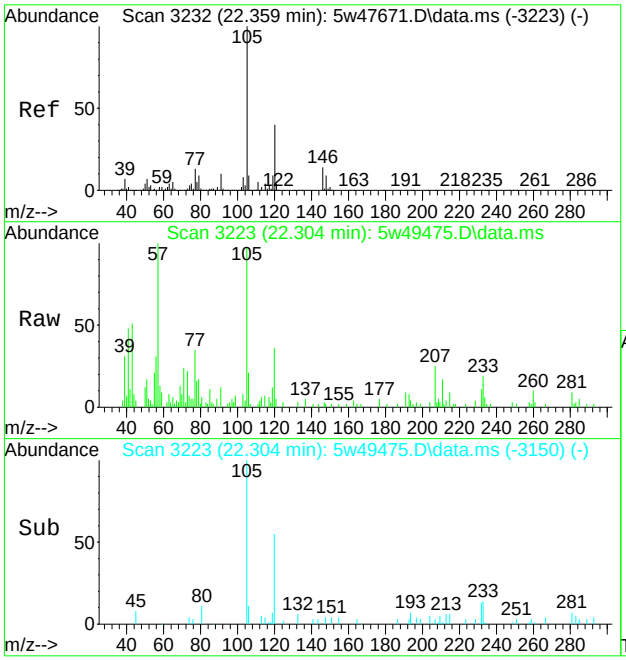


#95
1,2,4-Trimethylbenzene
Concen: 0.45 ppb(v)
RT: 21.729 min Scan# 3129
Delta R.T. -0.061 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion:105 Resp: 35362

Ion	Ratio	Lower	Upper
105	100		
120	39.1	30.7	57.1
119	9.4	8.0	14.8
77	14.5	9.0	16.8

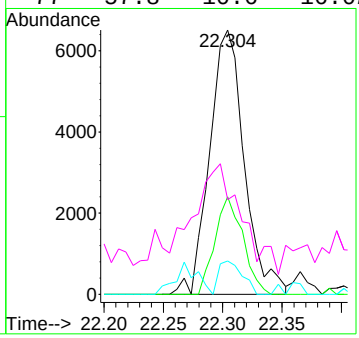


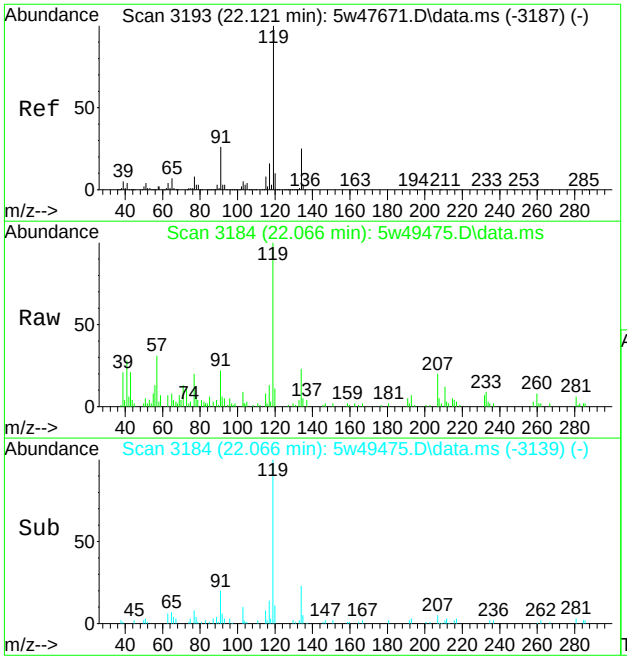


#97
1,2,3-trimethylbenzene
Concen: 0.18 ppb(v)
RT: 22.304 min Scan# 3223
Delta R.T. -0.055 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion:105 Resp: 13168

Ion	Ratio	Lower	Upper
105	100		
120	29.9	33.1	49.7#
91	8.6	8.4	12.6
77	57.8	10.6	16.0#

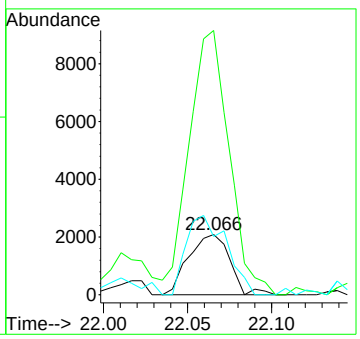


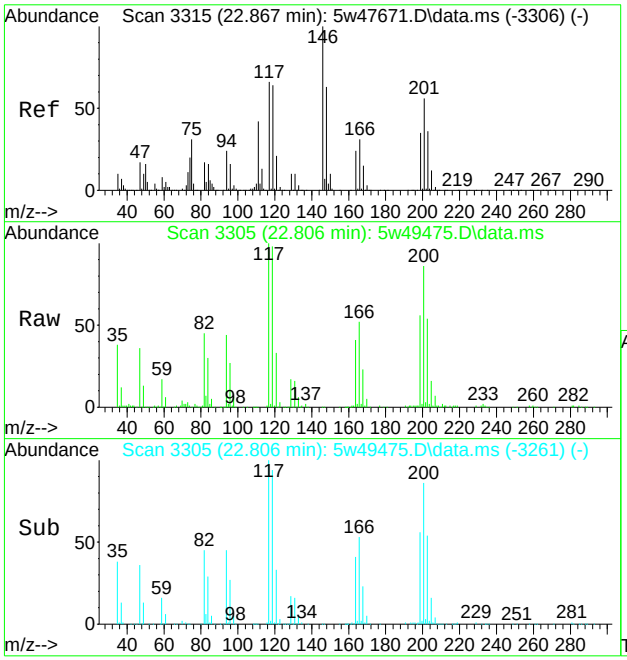


#101
p-Isopropyltoluene
Concen: 0.14 ppb(v)
RT: 22.066 min Scan# 3184
Delta R.T. -0.055 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion:134 Resp: 3558

Ion	Ratio	Lower	Upper
134	100		
119	360.5	281.0	521.8
91	100.3	73.8	137.2

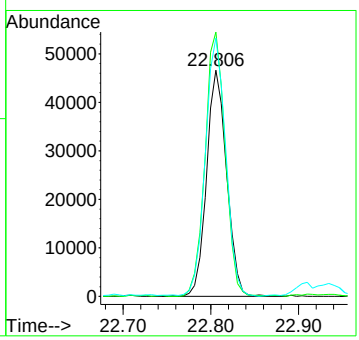




#104
Hexachloroethane
Concen: 2.47 ppb(v)
RT: 22.806 min Scan# 3305
Delta R.T. -0.061 min
Lab File: 5w49475.D
Acq: 24 Apr 2022 3:14 am

Tgt Ion:201 Resp: 74044

Ion	Ratio	Lower	Upper
201	100		
117	117.0	81.9	152.1
119	114.3	79.7	148.1



Manual Integration Approval Summary

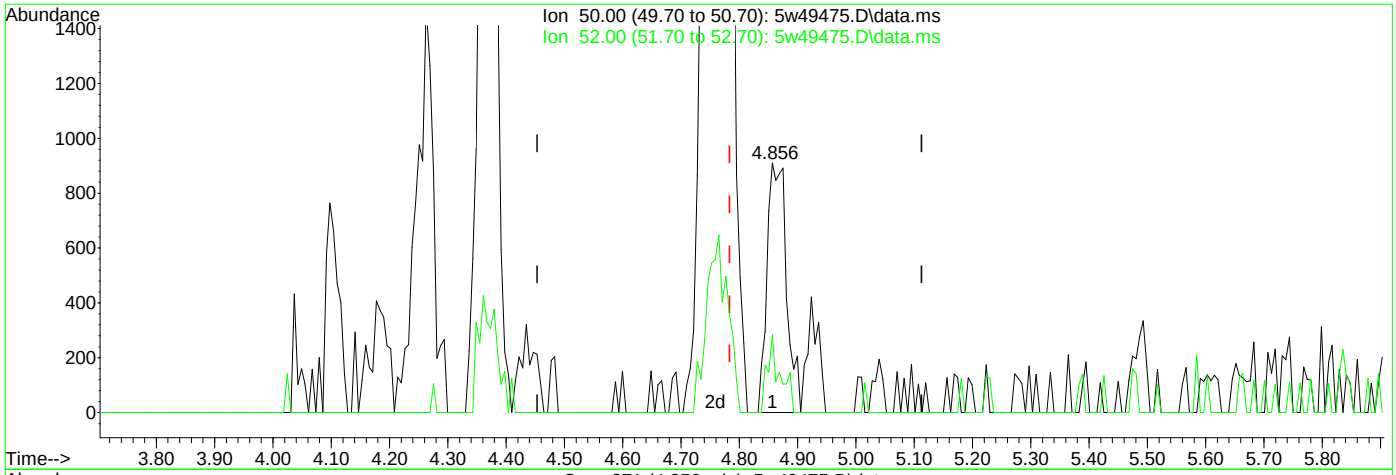
Sample Number: JD41994-7
Lab FileID: 5W49475.D
Injection Time: 04/24/22 03:14
Method: TO-15
Analyst approved: 04/26/22 13:19 Thomas Hilbig
Supervisor approved: 04/26/22 13:41 Kanya Veerawat

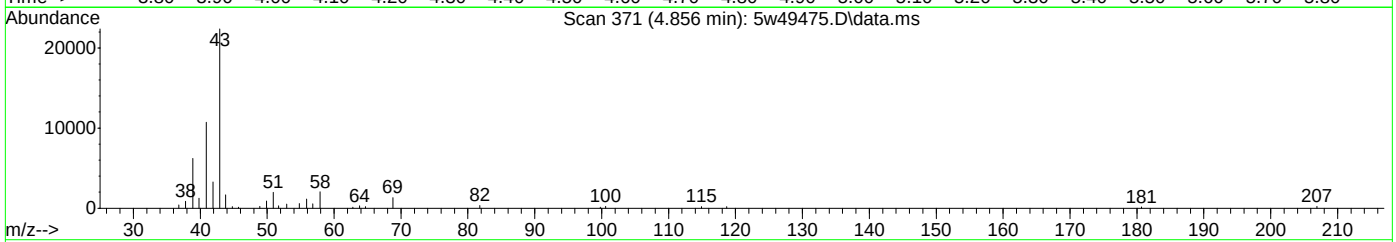
Parameter	CAS	Sig#	R.T. (min.)	Reason
Chloromethane	74-87-3		4.76	Missed peak

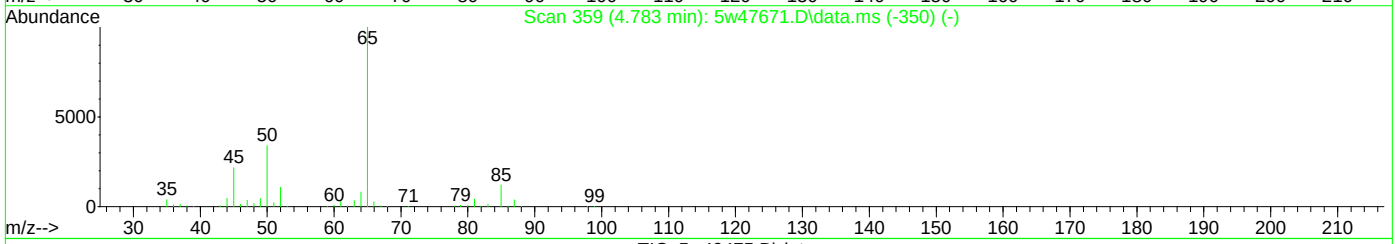
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49475.D
Acq On : 24 Apr 2022 3:14 am
Operator : thomash
Sample : jd41994-7
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 25 07:38:49 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration







TIC: 5w49475.D\data.ms

(8) Chloromethane

4.856min (+0.073) 0.10ppb(v)

response 2112

Ion	Exp%	Act%
50.00	100	100
52.00	31.40	31.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49470.D
Acq On : 23 Apr 2022 10:56 pm
Operator : thomash
Sample : jd41994-8
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 25 10:09:55 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

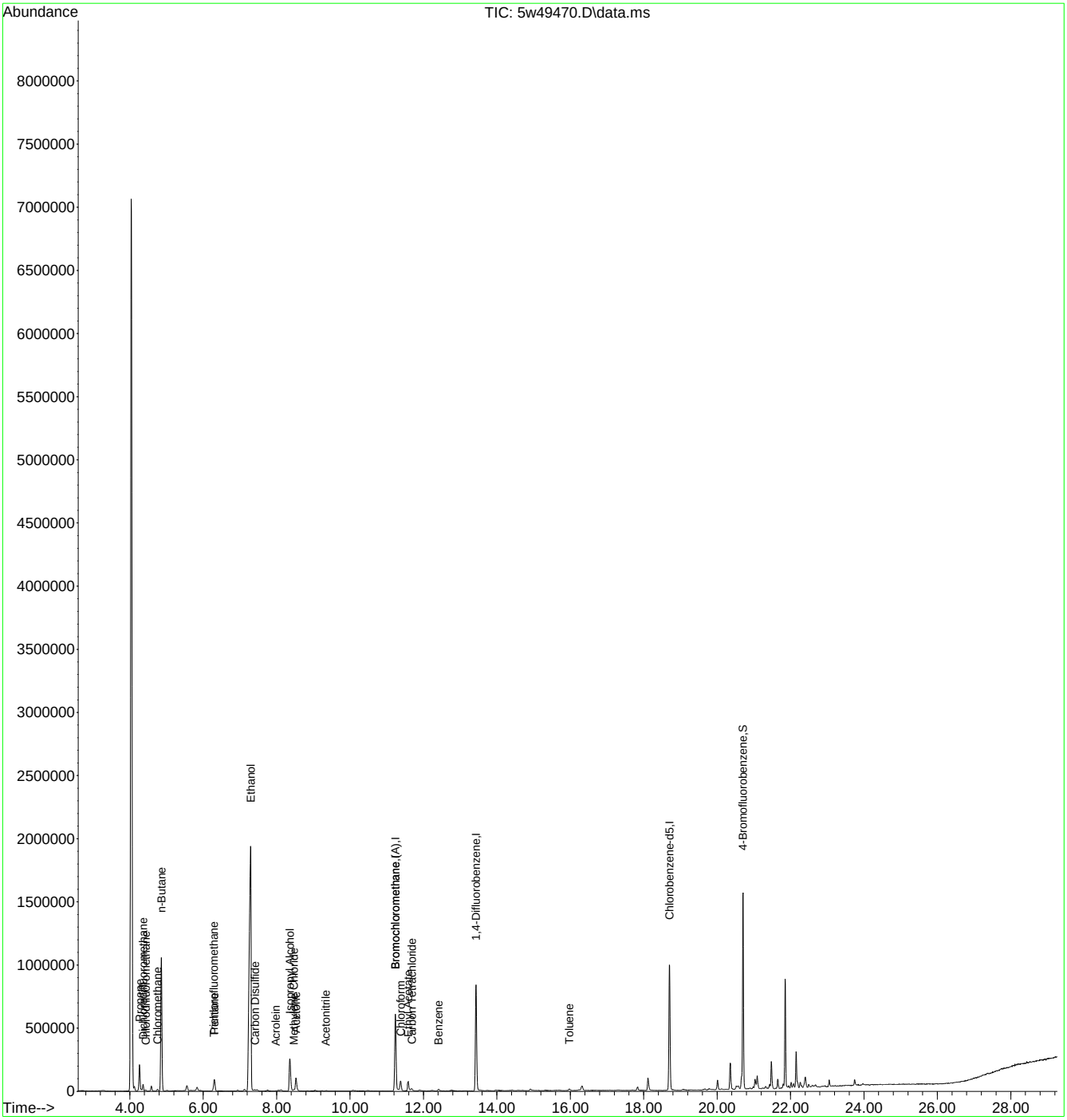
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.237	130	220222	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.434	114	788574	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.701	82	388448	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.237	130	220222	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	443238	9.03	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 90.30%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	4.434	67	3148	0.40	ppb(v#	74
4) Propene	4.269	41	63199	3.46	ppb(v#	58
6) Dichlorodifluoromethane	4.361	85	52704	0.61	ppb(v	96
8) Chloromethane	4.759	50	15579	0.67	ppb(v	99
12) n-Butane	4.863	58	111247	32.63	ppb(v	98
16) Acetonitrile	9.341	41	5131	0.27	ppb(v	93
20) Acrolein	7.977	56	2510	0.25	ppb(v#	82
21) Trichlorofluoromethane	6.294	101	22386	0.31	ppb(v	97
22) Acetone	8.527	58	44787	4.67	ppb(v	92
23) Pentane	6.306	57	9138	1.47	ppb(v	75
25) Isopropyl Alcohol	8.362	43	96133	11.71	ppb(v	83
28) Methylene Chloride	8.472	84	6027	0.26	ppb(v	86
29) Carbon Disulfide	7.414	76	13053	0.18	ppb(v#	91
30) Ethanol	7.298	45	4084292	452.81	ppb(v	99
42) Ethyl Acetate	11.580	61	15062	2.12	ppb(v	60
44) Chloroform	11.384	83	73180	1.16	ppb(v	97
49) Benzene	12.412	78	12589	0.16	ppb(v#	90
50) Carbon Tetrachloride	11.684	117	6308	0.10	ppb(v	83
66) Toluene	15.972	91	14338	0.16	ppb(v	98

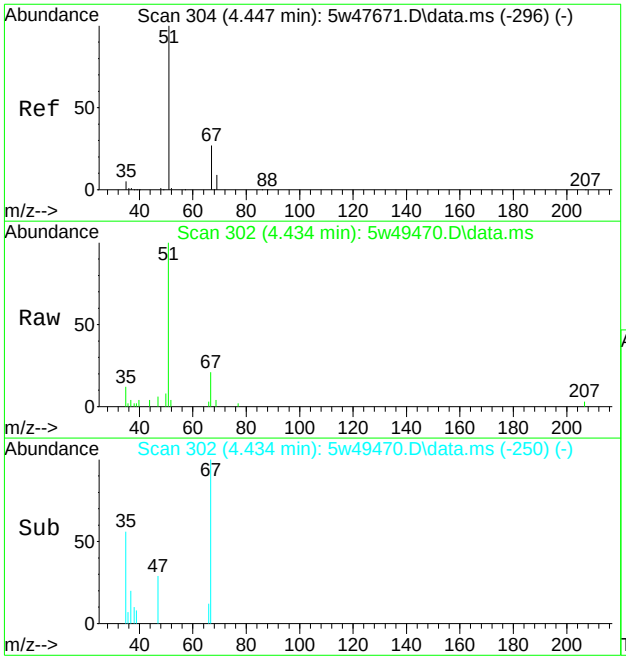
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49470.D
Acq On : 23 Apr 2022 10:56 pm
Operator : thomash
Sample : jd41994-8
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Apr 25 10:09:55 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

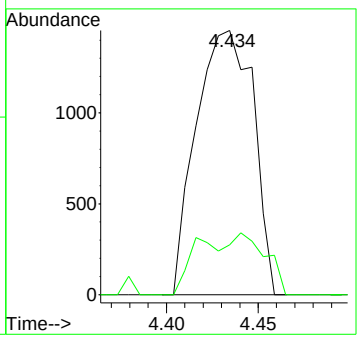


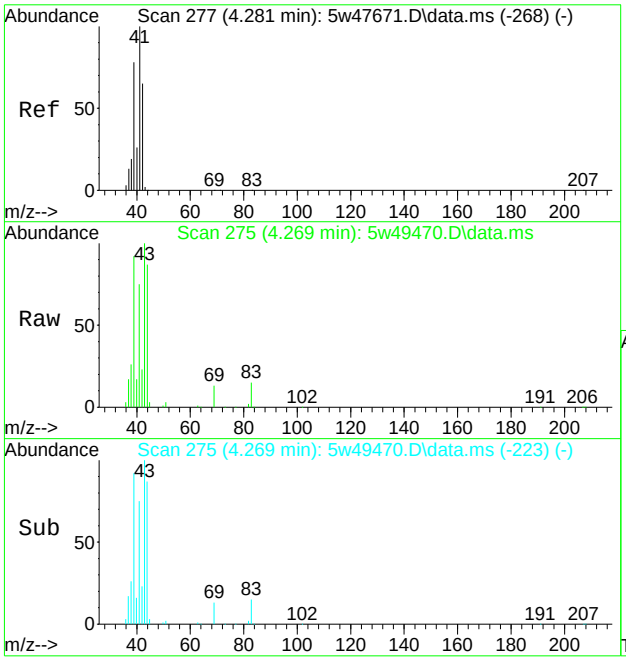


#3
Chlorodifluoromethane
Concen: 0.40 ppb(v)
RT: 4.434 min Scan# 302
Delta R.T. -0.012 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 67 Resp: 3148

Ion	Ratio	Lower	Upper
67	100		
69	18.9	23.5	43.7#

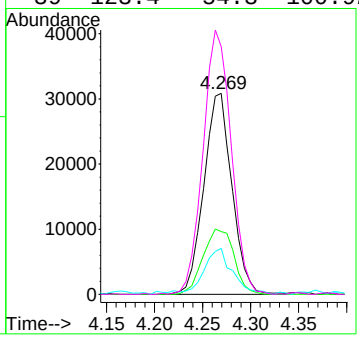


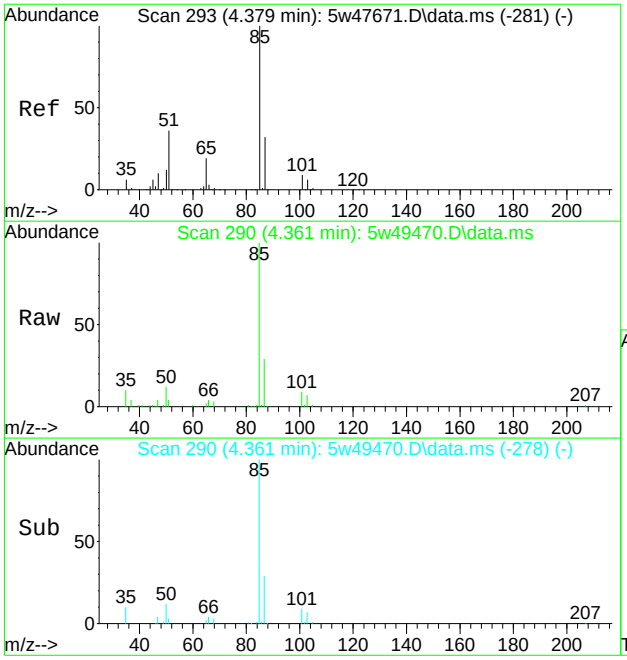


#4
Propene
Concen: 3.46 ppb(v)
RT: 4.269 min Scan# 275
Delta R.T. -0.012 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 41 Resp: 63199

Ion	Ratio	Lower	Upper
41	100		
42	31.3	45.6	84.8#
40	22.9	18.4	34.2
39	123.4	54.3	100.9#

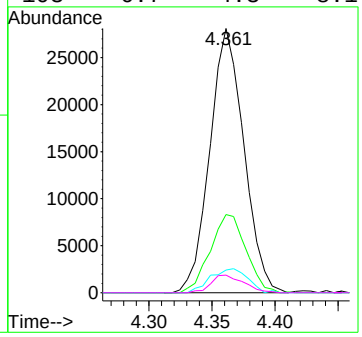


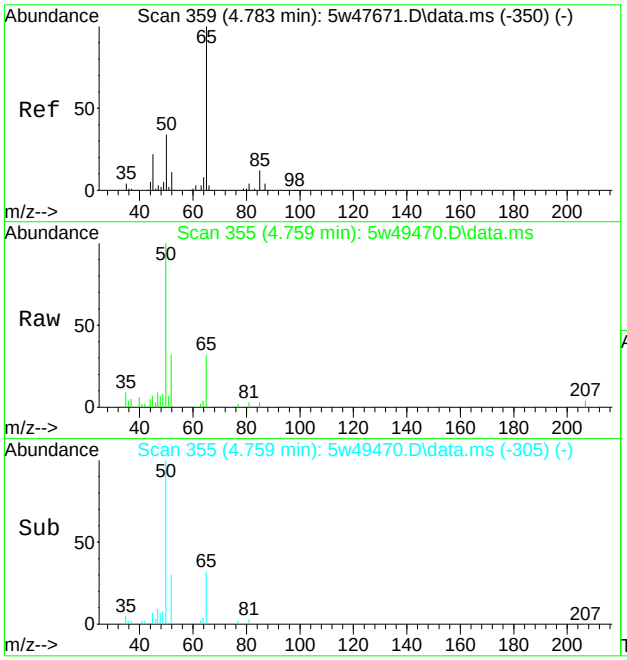


#6
Dichlorodifluoromethane
Concen: 0.61 ppb(v)
RT: 4.361 min Scan# 290
Delta R.T. -0.018 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 85 Resp: 52704

Ion	Ratio	Lower	Upper
85	100		
87	29.6	22.7	42.1
101	8.6	6.5	12.1
103	6.7	4.3	8.1

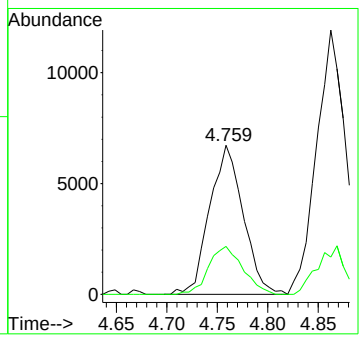


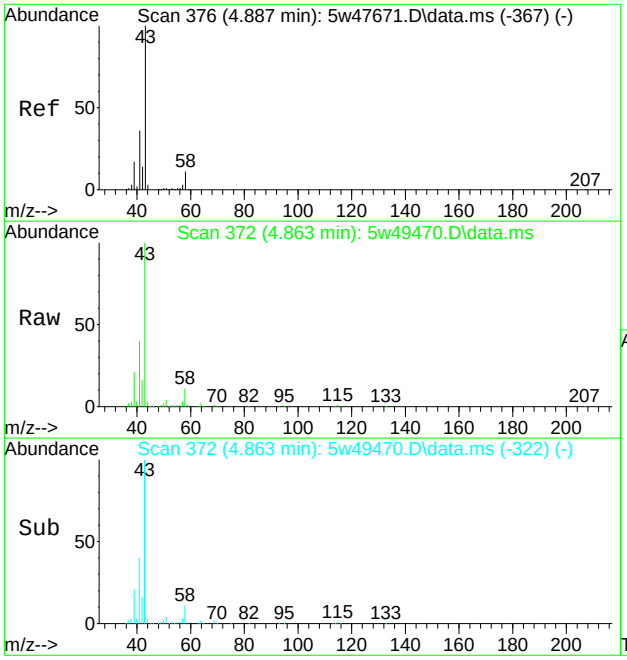


#8
Chloromethane
Concen: 0.67 ppb(v)
RT: 4.759 min Scan# 355
Delta R.T. -0.024 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 50 Resp: 15579

Ion	Ratio	Lower	Upper
50	100		
52	32.2	22.0	40.8

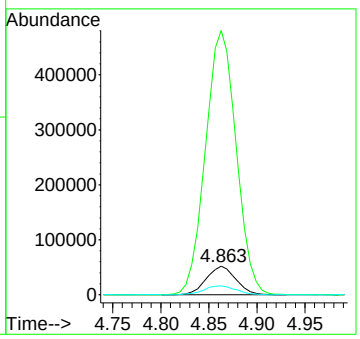


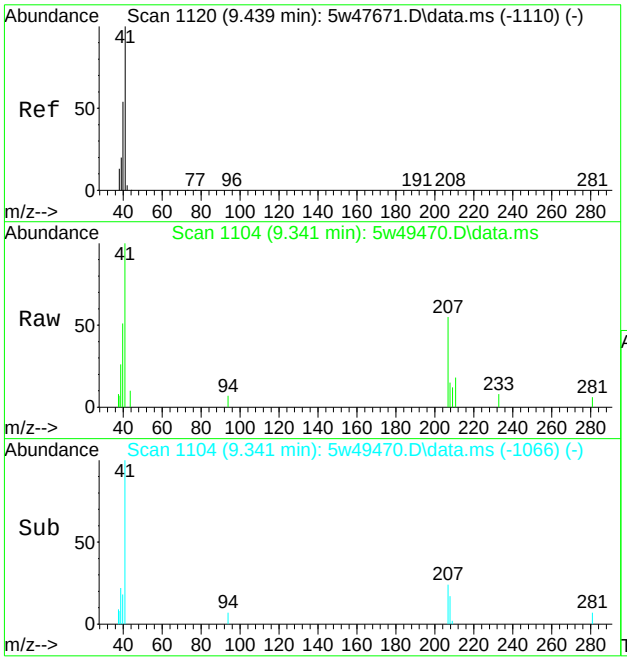


#12
n-Butane
Concen: 32.63 ppb(v)
RT: 4.863 min Scan# 372
Delta R.T. -0.024 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 58 Resp: 111247

Ion	Ratio	Lower	Upper
58	100		
43	924.4	653.7	1213.9
44	31.6	23.2	43.0

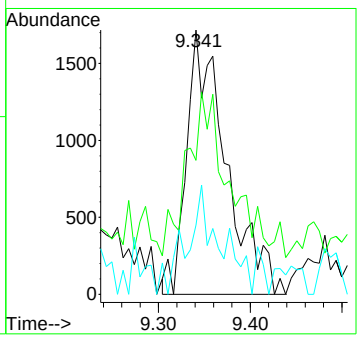


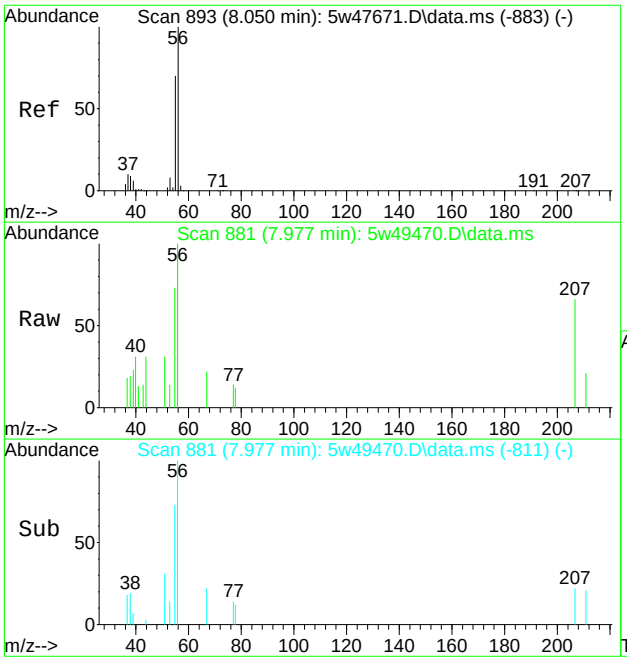


#16
Acetonitrile
Concen: 0.27 ppb(v)
RT: 9.341 min Scan# 1104
Delta R.T. -0.098 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 41 Resp: 5131

Ion	Ratio	Lower	Upper
41	100		
40	50.6	38.1	70.9
39	26.2	14.1	26.3

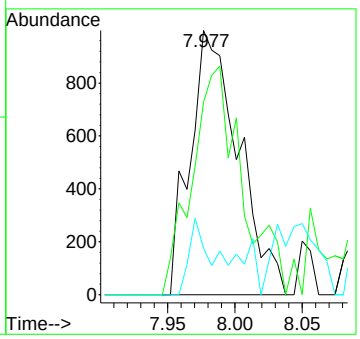


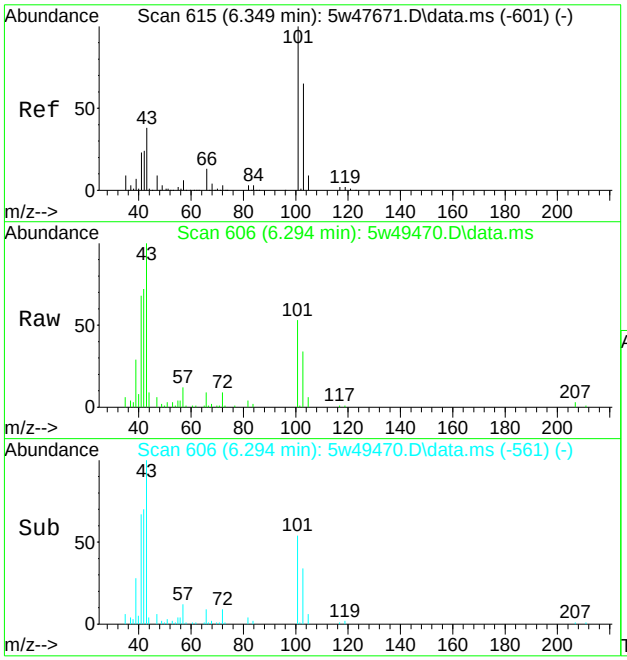


#20
Acrolein
Concen: 0.25 ppb(v)
RT: 7.977 min Scan# 881
Delta R.T. -0.073 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 56 Resp: 2510

Ion	Ratio	Lower	Upper
56	100		
55	88.4	59.9	89.9
37	21.2	8.1	12.1#

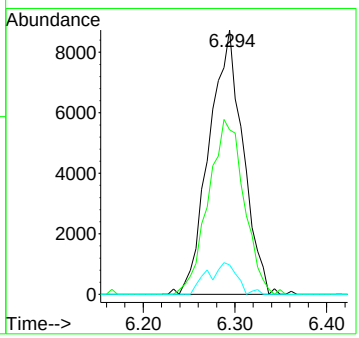


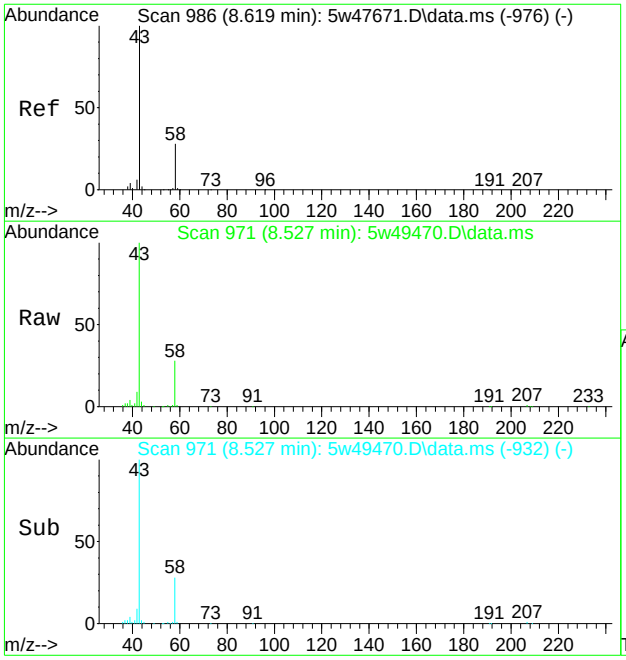


#21
Trichlorofluoromethane
Concen: 0.31 ppb(v)
RT: 6.294 min Scan# 606
Delta R.T. -0.055 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion:101 Resp: 22386

Ion	Ratio	Lower	Upper
101	100		
103	62.3	45.6	84.8
105	11.2	7.4	13.8

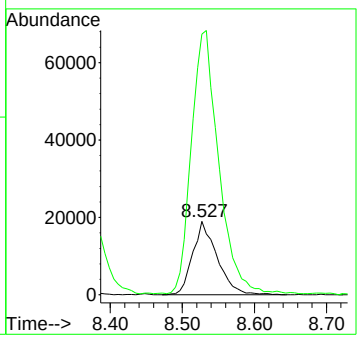


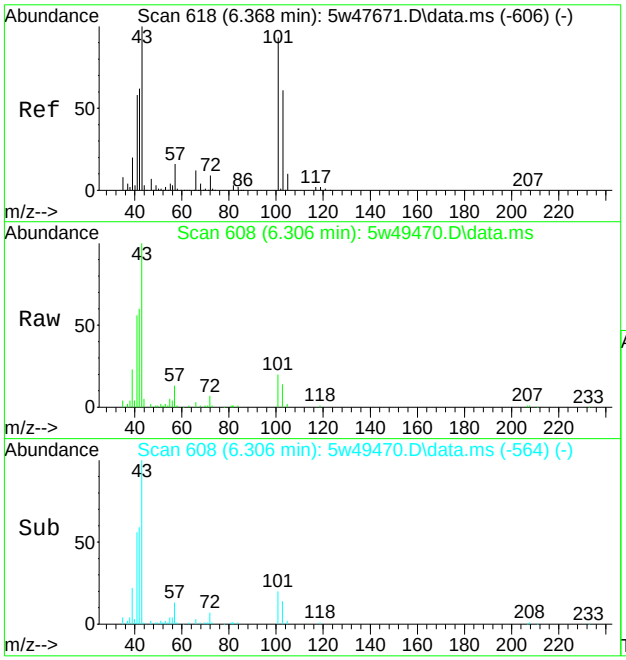


#22
Acetone
Concen: 4.67 ppb(v)
RT: 8.527 min Scan# 971
Delta R.T. -0.092 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 58 Resp: 44787

Ion	Ratio	Lower	Upper
58	100		
43	344.8	253.0	469.8

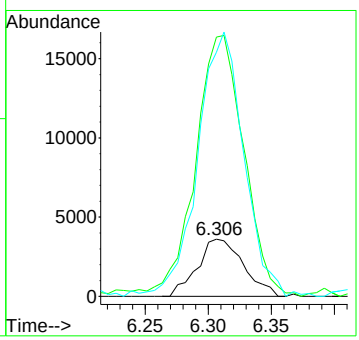


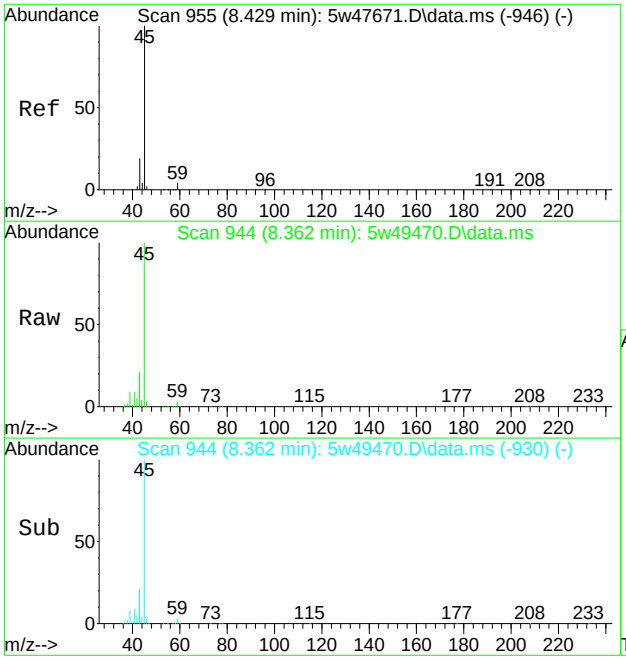


#23
Pentane
Concen: 1.47 ppb(v)
RT: 6.306 min Scan# 608
Delta R.T. -0.061 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 57 Resp: 9138

Ion	Ratio	Lower	Upper
57	100		
42	453.2	277.7	515.7
41	426.9	257.1	477.5

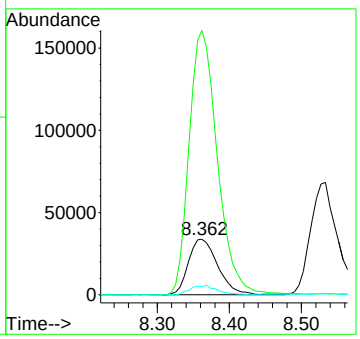


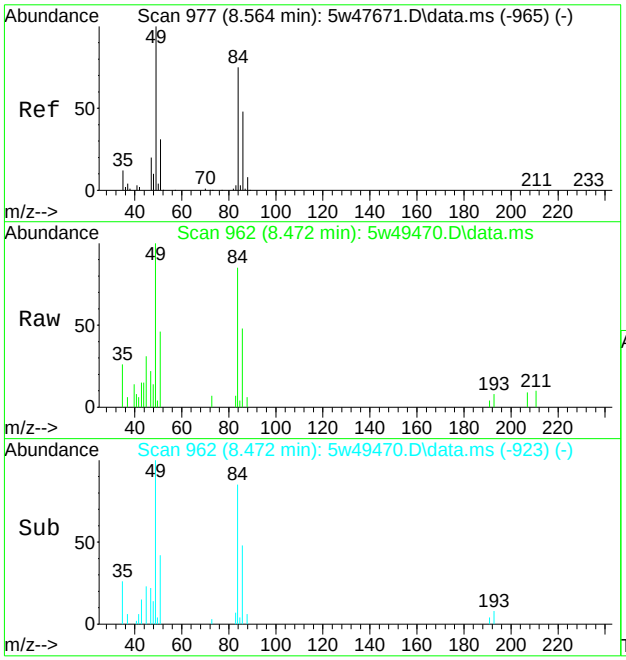


#25
Isopropyl Alcohol
Concen: 11.71 ppb(v)
RT: 8.362 min Scan# 944
Delta R.T. -0.067 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 43 Resp: 96133

Ion	Ratio	Lower	Upper
43	100		
45	476.7	367.4	682.2
59	14.8	13.7	25.5

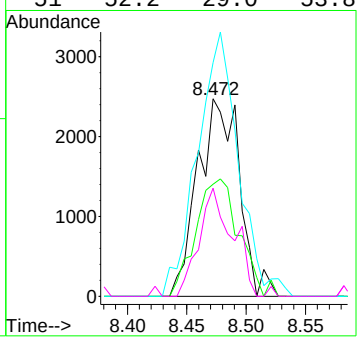


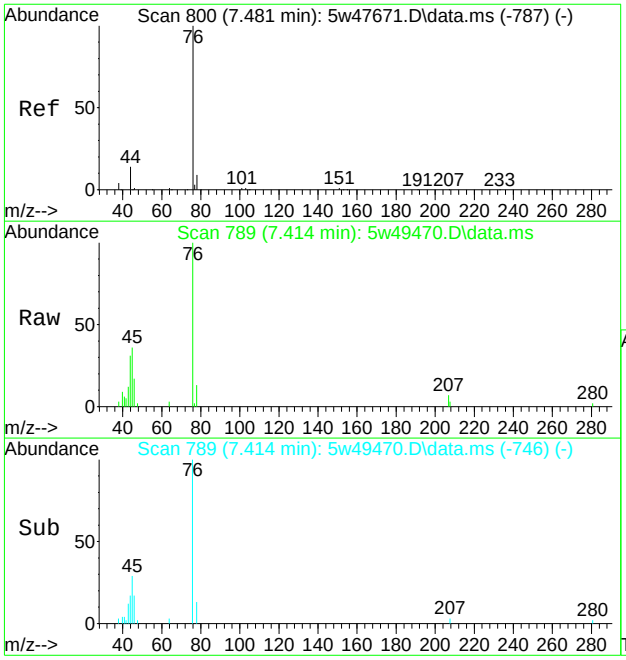


#28
Methylene Chloride
Concen: 0.26 ppb(v)
RT: 8.472 min Scan# 962
Delta R.T. -0.092 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 84 Resp: 6027

Ion	Ratio	Lower	Upper
84	100		
86	54.1	44.8	83.2
49	117.3	93.5	173.7
51	52.2	29.0	53.8

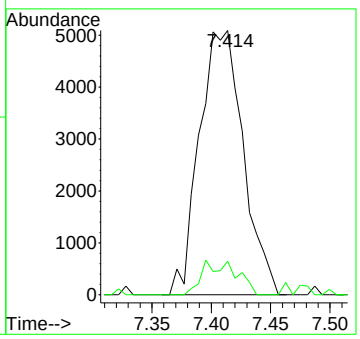


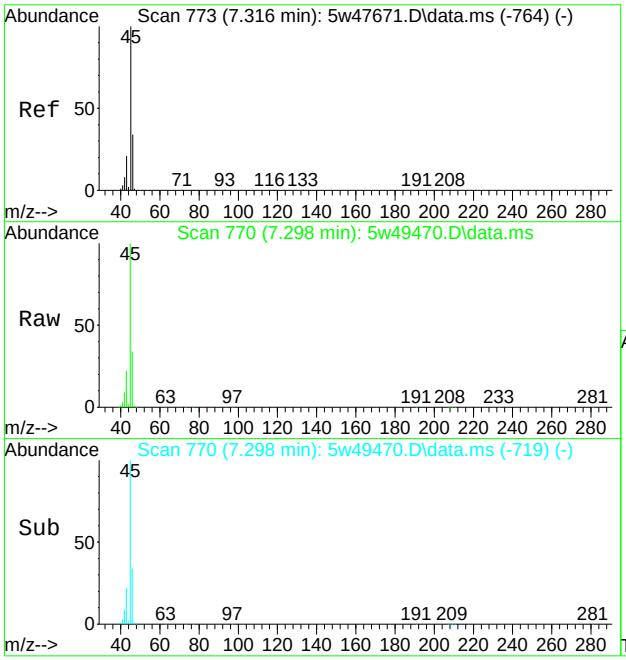


#29
Carbon Disulfide
Concen: 0.18 ppb(v)
RT: 7.414 min Scan# 789
Delta R.T. -0.067 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 76 Resp: 13053

Ion	Ratio	Lower	Upper
76	100		
78	12.4	6.5	12.1#

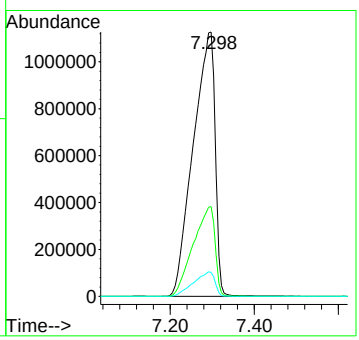


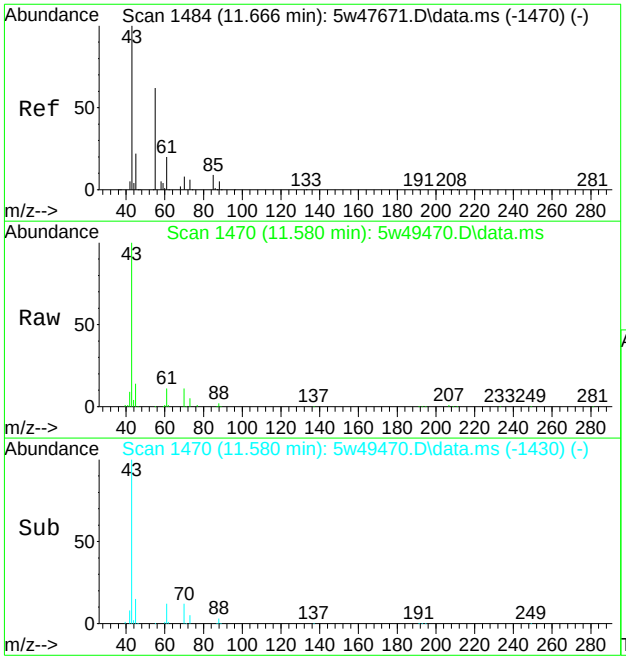


#30
Ethanol
Concen: 452.81 ppb(v)
RT: 7.298 min Scan# 770
Delta R.T. -0.018 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 45 Resp: 4084292

Ion	Ratio	Lower	Upper
45	100		
46	33.9	23.9	44.5
42	9.0	5.9	11.1

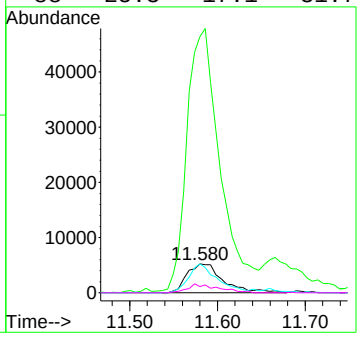


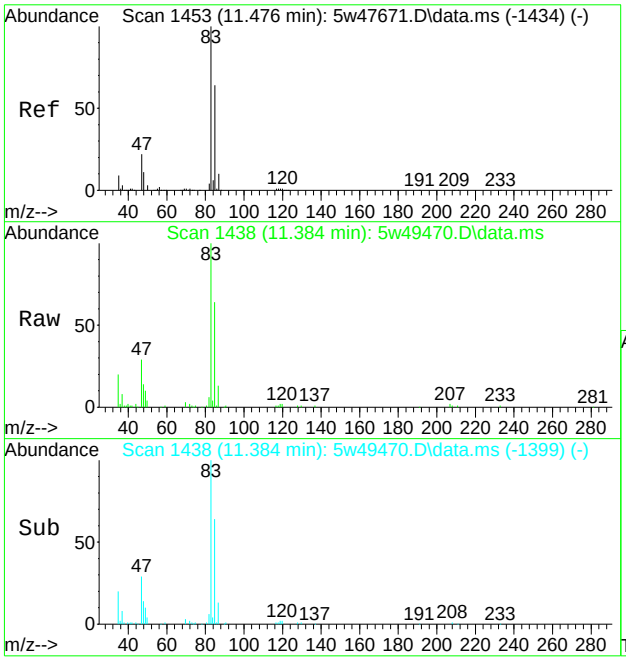


#42
Ethyl Acetate
Concen: 2.12 ppb(v)
RT: 11.580 min Scan# 1470
Delta R.T. -0.086 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 61 Resp: 15062

Ion	Ratio	Lower	Upper
61	100		
43	883.1	509.8	946.8
70	99.4	55.2	102.6
88	25.3	17.1	31.7

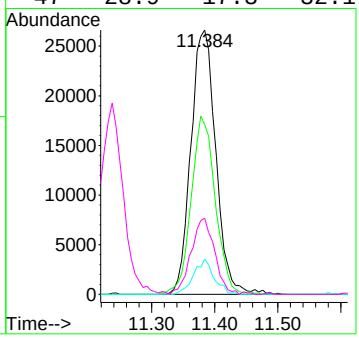


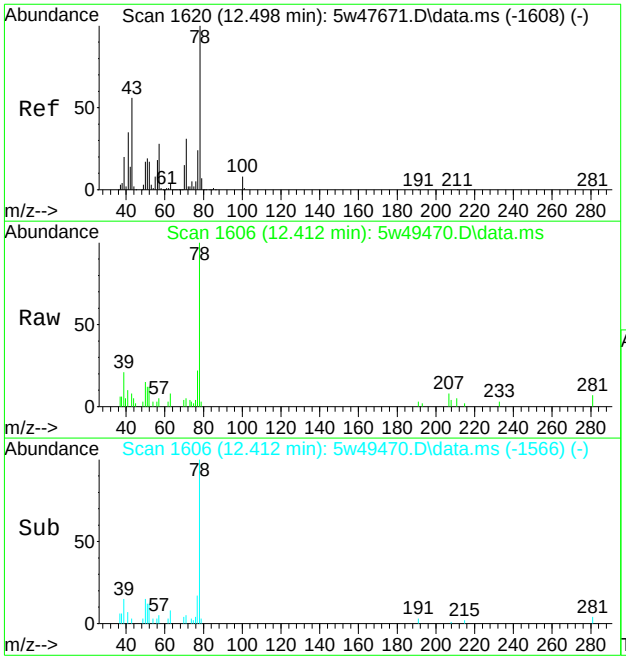


#44
Chloroform
Concen: 1.16 ppb(v)
RT: 11.384 min Scan# 1438
Delta R.T. -0.092 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 83 Resp: 73180

Ion	Ratio	Lower	Upper
83	100		
85	64.2	44.9	83.3
87	13.4	7.3	13.7
47	28.9	17.3	32.1

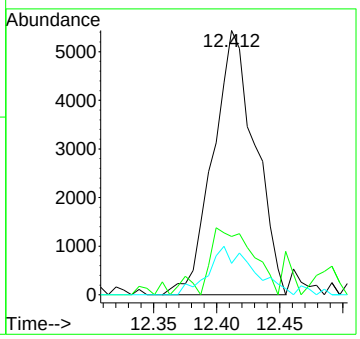


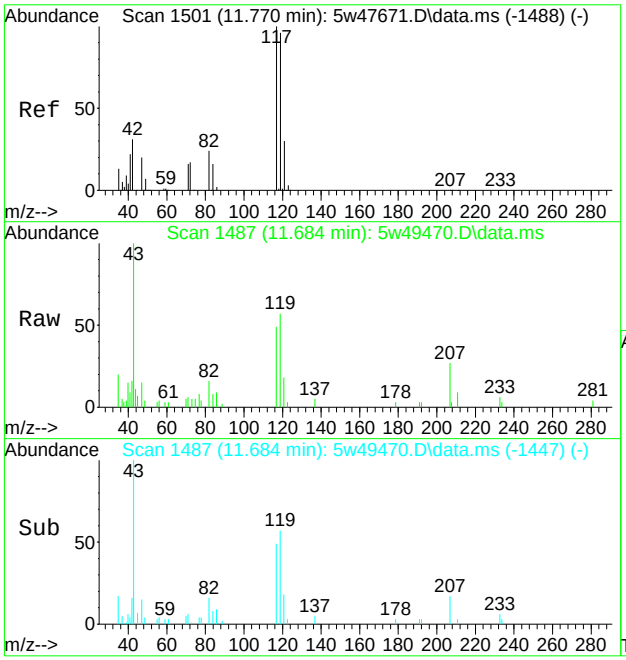


#49
Benzene
Concen: 0.16 ppb(v)
RT: 12.412 min Scan# 1606
Delta R.T. -0.086 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 78 Resp: 12589

Ion	Ratio	Lower	Upper
78	100		
77	21.5	16.9	31.5
51	11.6	13.2	24.4#

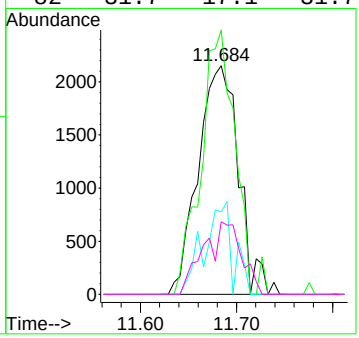


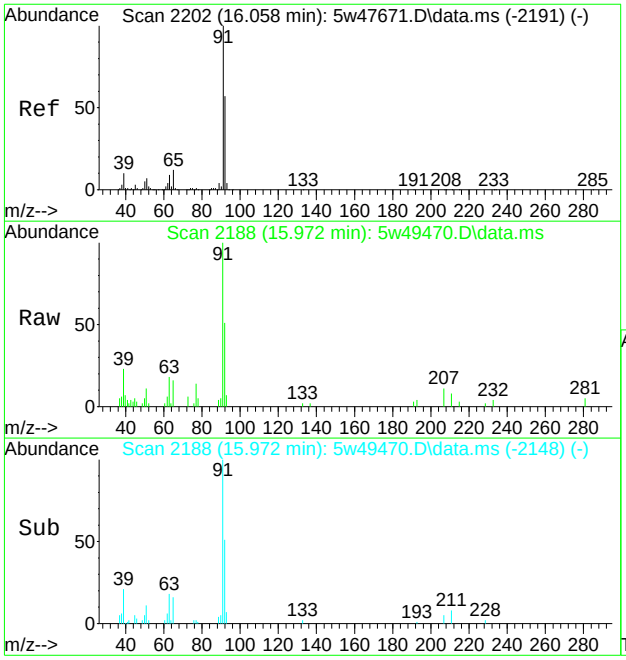


#50
Carbon Tetrachloride
Concen: 0.10 ppb(v)
RT: 11.684 min Scan# 1487
Delta R.T. -0.086 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion:117 Resp: 6308

Ion	Ratio	Lower	Upper
117	100		
119	115.6	67.1	124.5
121	36.0	21.3	39.6
82	31.7	17.1	31.7

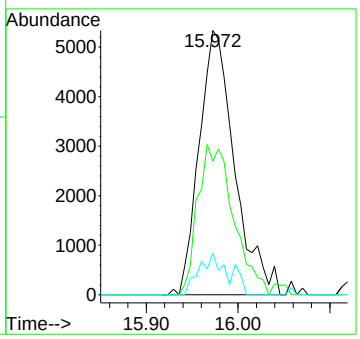




#66
Toluene
Concen: 0.16 ppb(v)
RT: 15.972 min Scan# 2188
Delta R.T. -0.086 min
Lab File: 5w49470.D
Acq: 23 Apr 2022 10:56 pm

Tgt Ion: 91 Resp: 14338

Ion	Ratio	Lower	Upper
91	100		
92	57.7	39.8	74.0
65	15.7	8.6	16.0



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49476.D
Acq On : 24 Apr 2022 4:05 am
Operator : thomash
Sample : jd41994-9
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 10:53:09 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

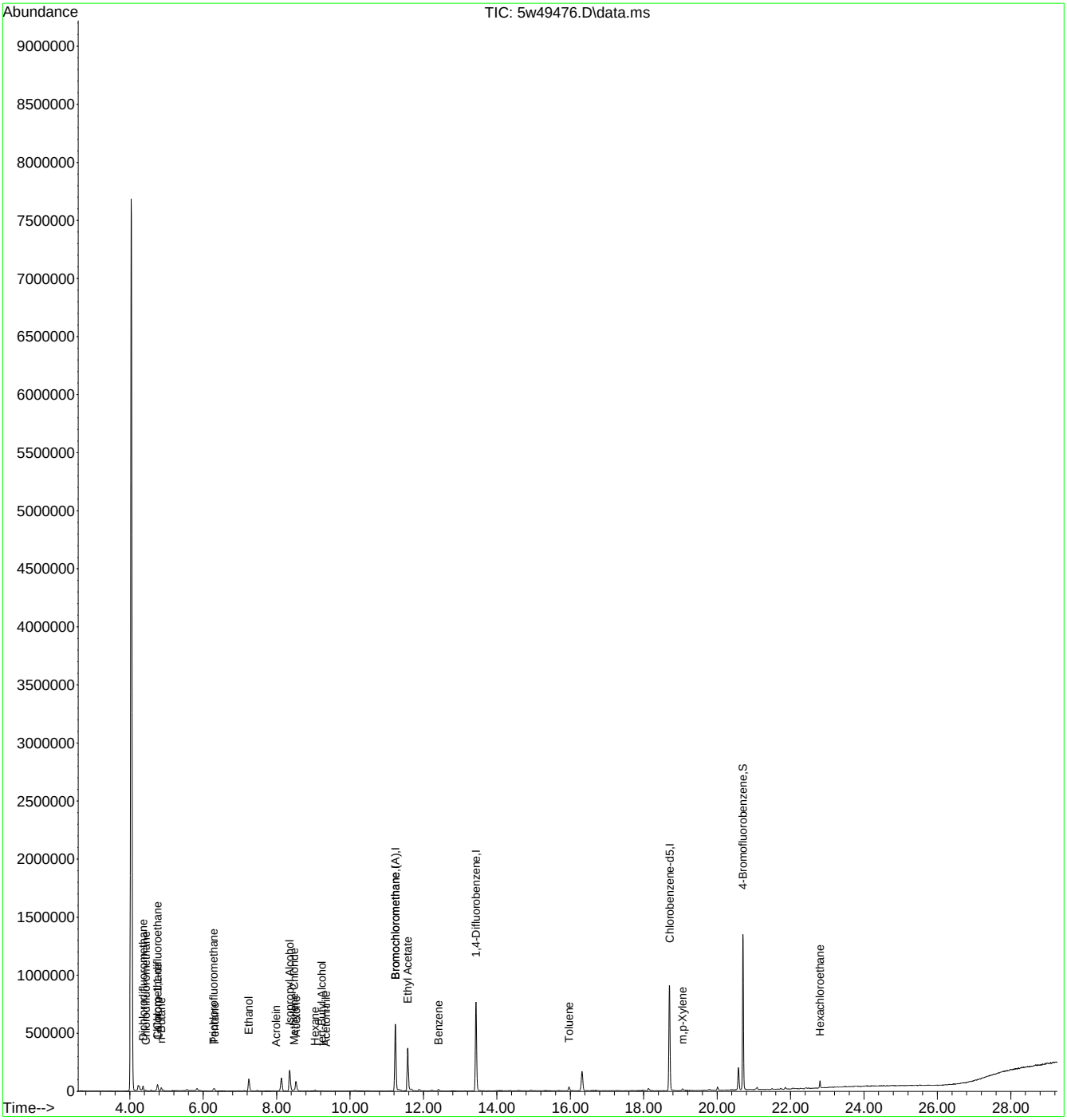
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.237	130	199022	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.434	114	699657	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	344836	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.237	130	199022	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	381905	8.76	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 87.60%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	4.434	67	2471	0.34	ppb(v#	31
6) Dichlorodifluoromethane	4.361	85	39641	0.51	ppb(v#	97
7) 1-Chloro-1,1-difluoroe...	4.759	65	55126	1.01	ppb(v	97
8) Chloromethane	4.759	50	13588	0.64	ppb(v	92
12) n-Butane	4.857	58	2362	0.77	ppb(v#	96
16) Acetonitrile	9.347	41	2053	0.12	ppb(v#	59
20) Acrolein	7.983	56	1243	0.14	ppb(v#	19
21) Trichlorofluoromethane	6.288	101	16251	0.25	ppb(v	96
22) Acetone	8.527	58	35051	4.04	ppb(v	66
23) Pentane	6.313	57	892	0.16	ppb(v	82
25) Isopropyl Alcohol	8.356	43	69637	9.39	ppb(v	81
28) Methylene Chloride	8.478	84	6020	0.29	ppb(v	91
30) Ethanol	7.242	45	159622	19.58	ppb(v	98
34) tert-Butyl Alcohol	9.225	59	5040	0.10	ppb(v#	22
39) Hexane	9.047	56	2345	0.12	ppb(v#	61
42) Ethyl Acetate	11.574	61	67681	10.54	ppb(v	75
49) Benzene	12.412	78	13051	0.19	ppb(v#	1
66) Toluene	15.966	91	31932	0.40	ppb(v#	76
79) m,p-Xylene	19.062	91	12449	0.16	ppb(v#	90
104) Hexachloroethane	22.806	201	9140	0.30	ppb(v	94

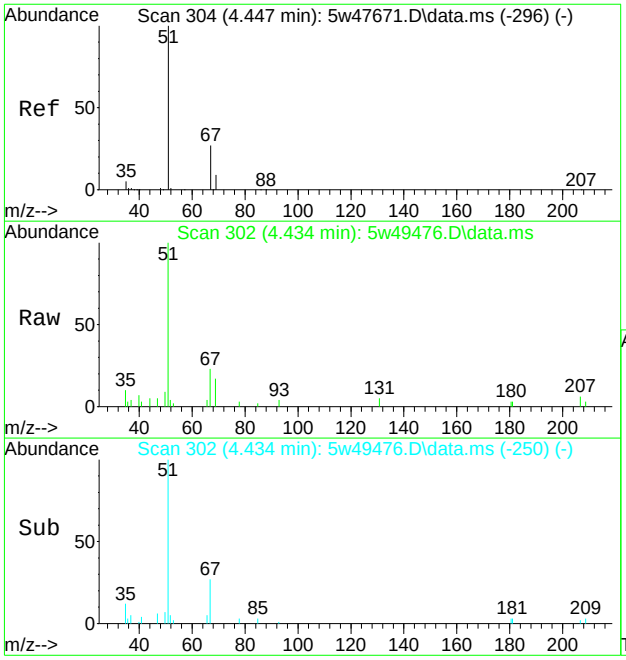
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49476.D
Acq On : 24 Apr 2022 4:05 am
Operator : thomash
Sample : jd41994-9
Misc : ms57754,v5w2045,400,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 10:53:09 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

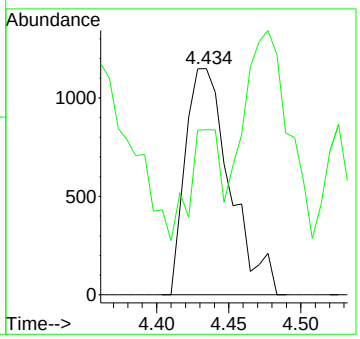


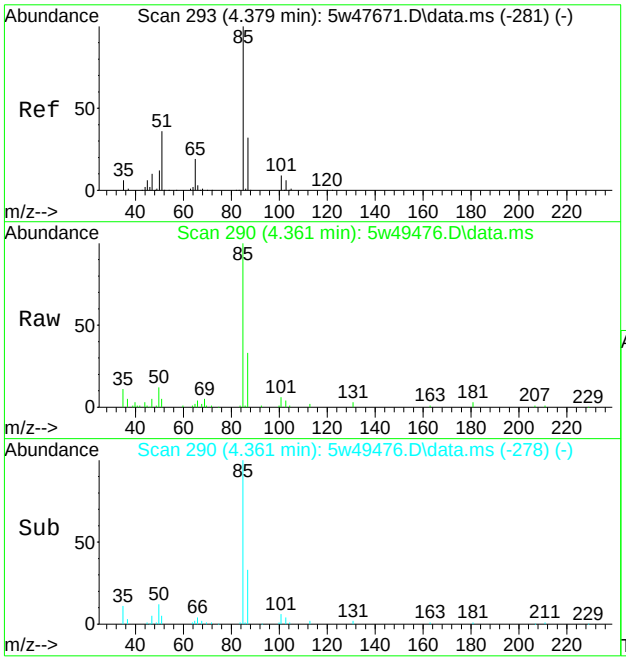


#3
Chlorodifluoromethane
Concen: 0.34 ppb(v)
RT: 4.434 min Scan# 302
Delta R.T. -0.012 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 67 Resp: 2471

Ion	Ratio	Lower	Upper
67	100		
69	72.9	23.5	43.7#

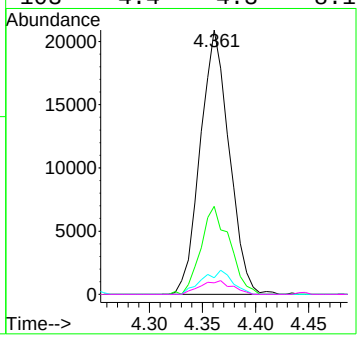


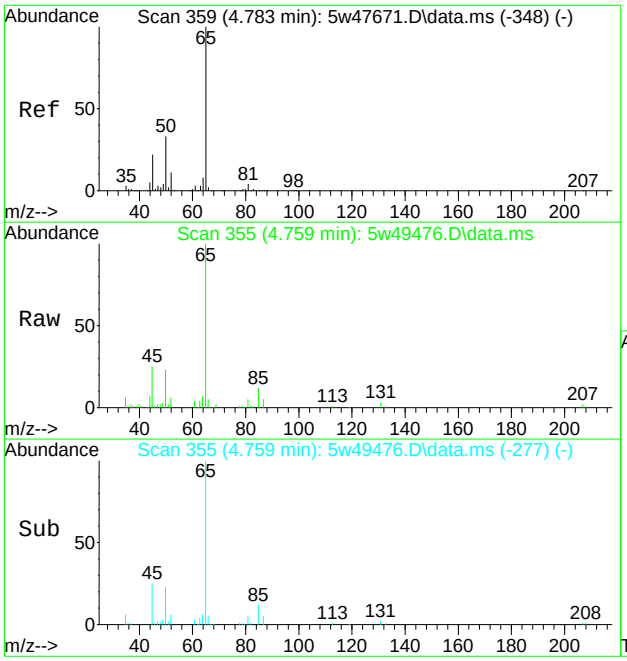


#6
Dichlorodifluoromethane
Concen: 0.51 ppb(v)
RT: 4.361 min Scan# 290
Delta R.T. -0.018 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 85 Resp: 39641

Ion	Ratio	Lower	Upper
85	100		
87	33.3	22.7	42.1
101	6.3	6.5	12.1#
103	4.4	4.3	8.1

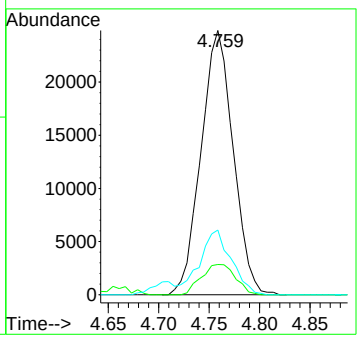


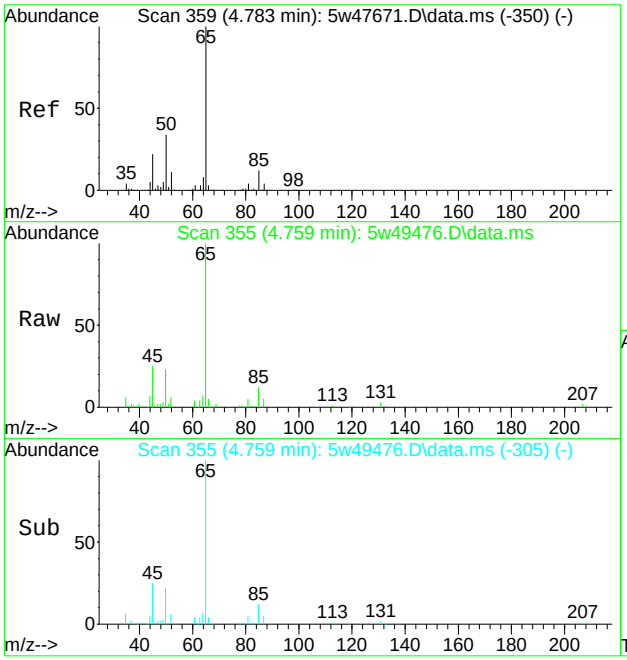


#7
1-Chloro-1,1-difluoroethane
Concen: 1.01 ppb(v)
RT: 4.759 min Scan# 355
Delta R.T. -0.024 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 65 Resp: 55126

Ion	Ratio	Lower	Upper
65	100		
85	12.2	10.9	16.3
45	24.3	18.3	27.5

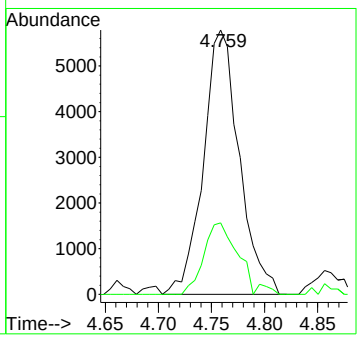


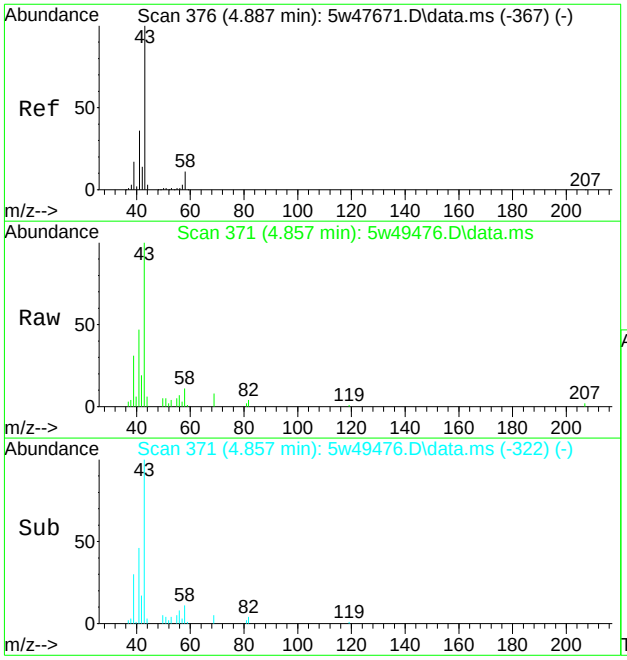


#8
Chloromethane
Concen: 0.64 ppb(v)
RT: 4.759 min Scan# 355
Delta R.T. -0.024 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 50 Resp: 13588

Ion	Ratio	Lower	Upper
50	100		
52	27.0	22.0	40.8

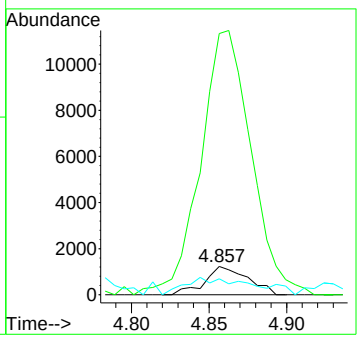


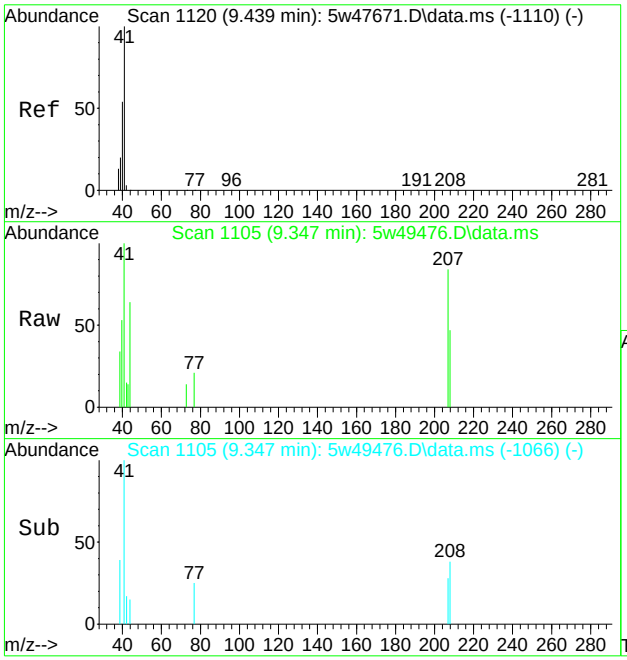


#12
n-Butane
Concen: 0.77 ppb(v)
RT: 4.857 min Scan# 371
Delta R.T. -0.030 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 58 Resp: 2362

Ion	Ratio	Lower	Upper
58	100		
43	923.1	653.7	1213.9
44	57.0	23.2	43.0#

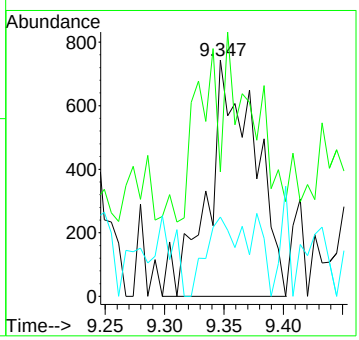


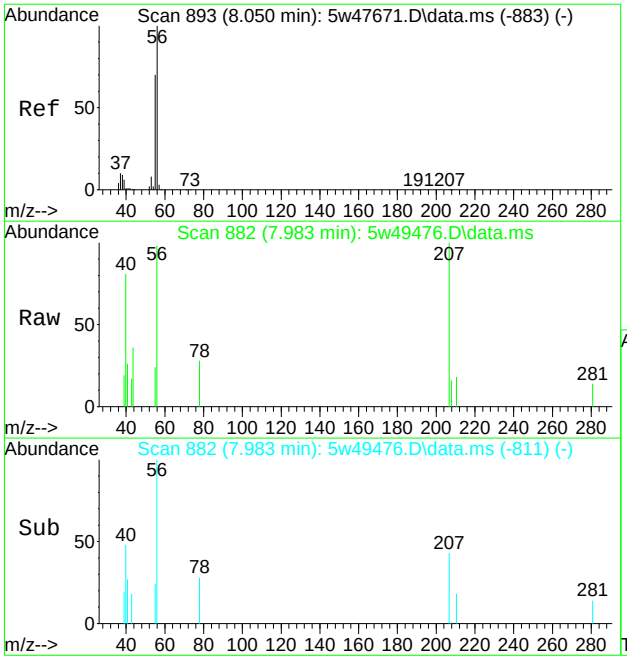


#16
Acetonitrile
Concen: 0.12 ppb(v)
RT: 9.347 min Scan# 1105
Delta R.T. -0.092 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 41 Resp: 2053

Ion	Ratio	Lower	Upper
41	100		
40	52.8	38.1	70.9
39	86.4	14.1	26.3#

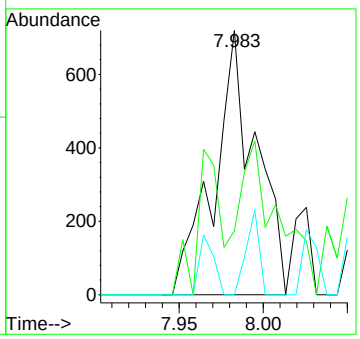


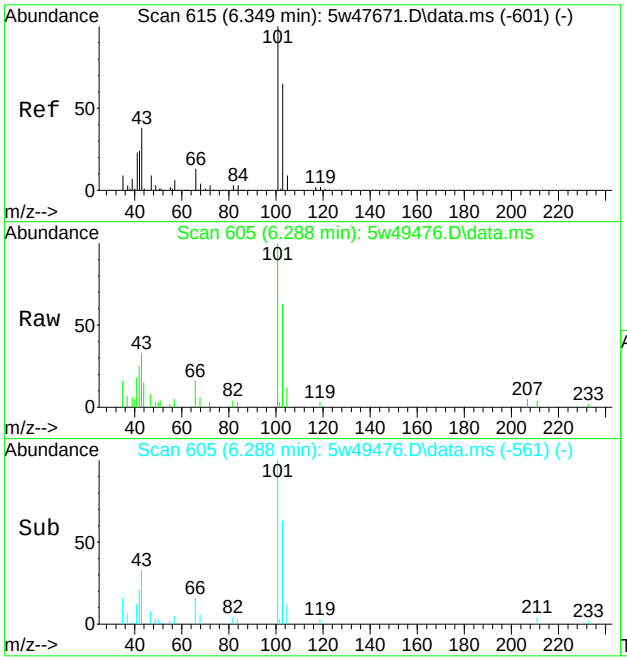


#20
Acrolein
Concen: 0.14 ppb(v)
RT: 7.983 min Scan# 882
Delta R.T. -0.067 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 56 Resp: 1243

Ion	Ratio	Lower	Upper
56	100		
55	0.0	59.9	89.9#
37	0.0	8.1	12.1#

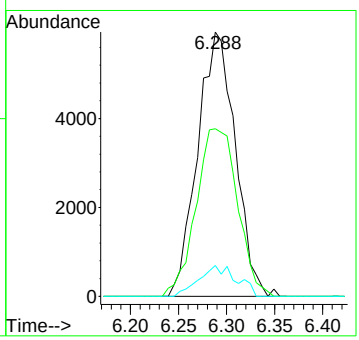


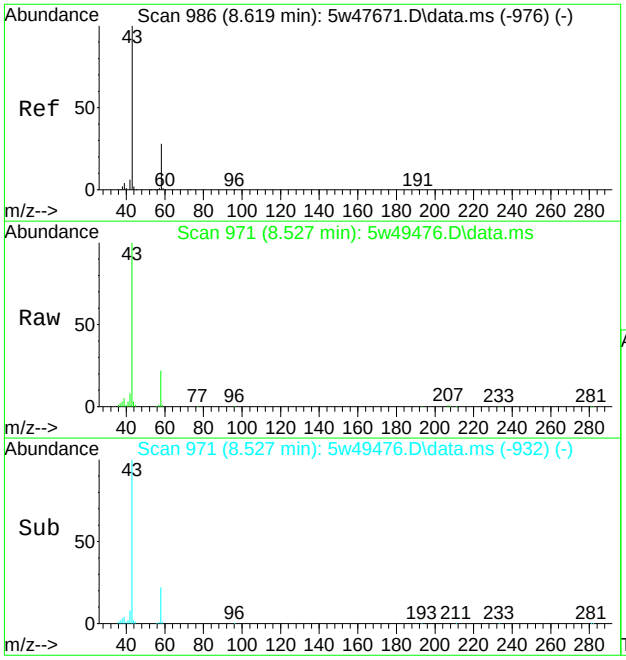


#21
Trichlorofluoromethane
Concen: 0.25 ppb(v)
RT: 6.288 min Scan# 605
Delta R.T. -0.061 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion:101 Resp: 16251

Ion	Ratio	Lower	Upper
101	100		
103	61.6	45.6	84.8
105	11.3	7.4	13.8

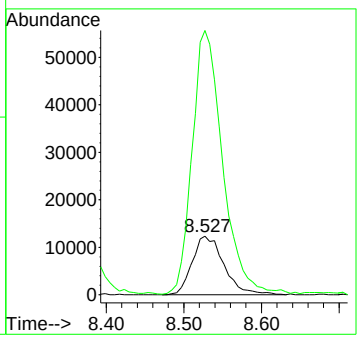


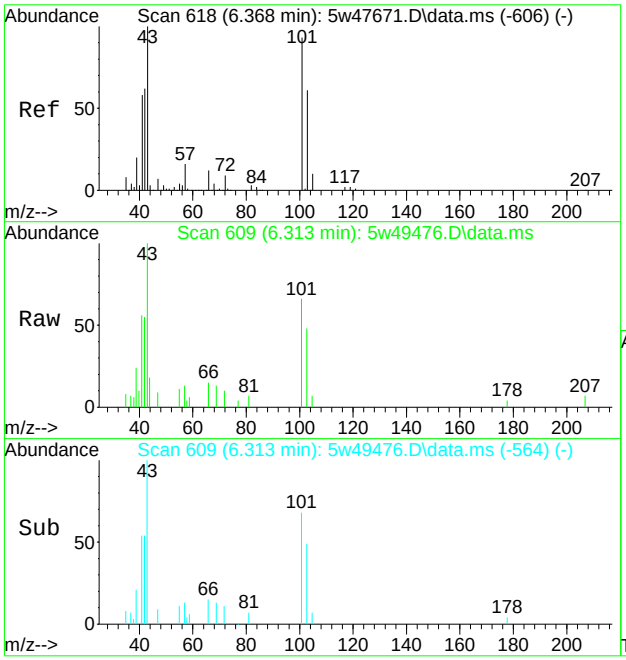


#22
Acetone
Concen: 4.04 ppb(v)
RT: 8.527 min Scan# 971
Delta R.T. -0.092 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 58 Resp: 35051

Ion	Ratio	Lower	Upper
58	100		
43	436.7	253.0	469.8

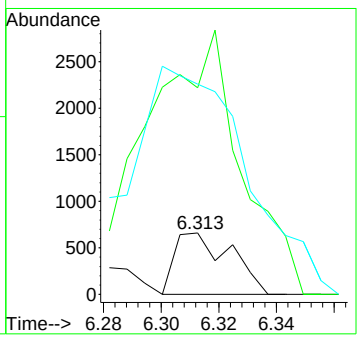


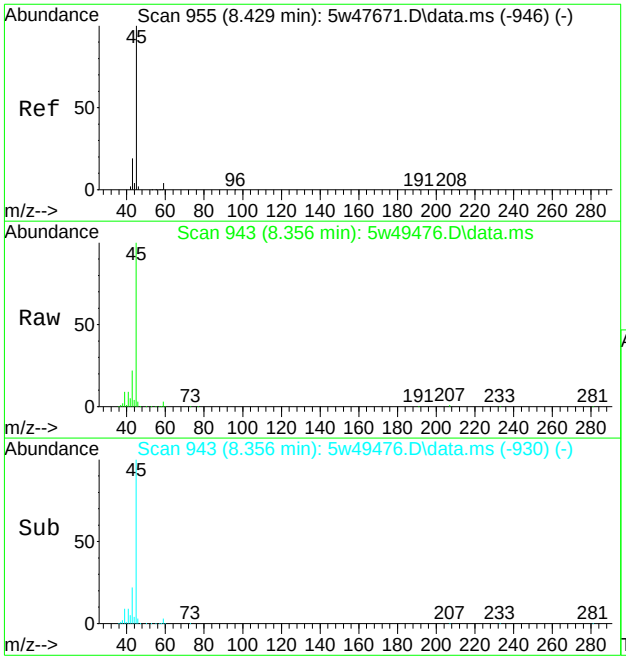


#23
Pentane
Concen: 0.16 ppb(v)
RT: 6.313 min Scan# 609
Delta R.T. -0.055 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 57 Resp: 892

Ion	Ratio	Lower	Upper
57	100		
42	336.7	277.7	515.7
41	342.8	257.1	477.5

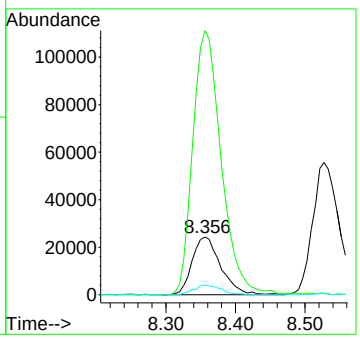


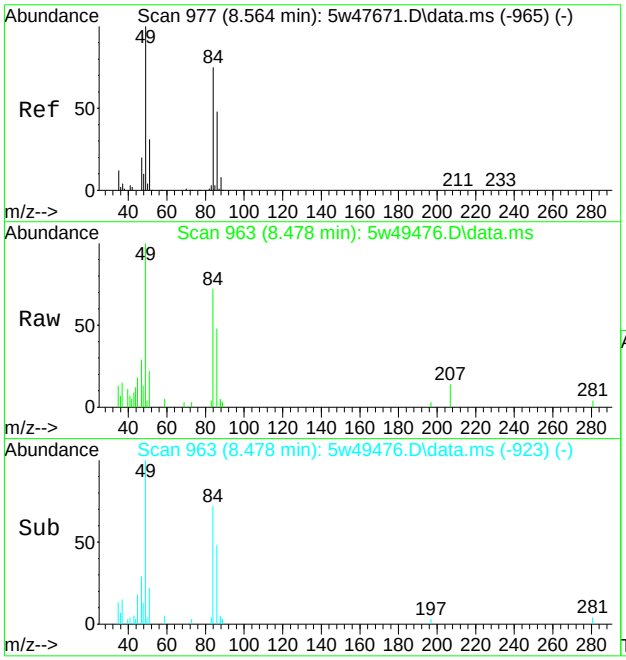


#25
Isopropyl Alcohol
Concen: 9.39 ppb(v)
RT: 8.356 min Scan# 943
Delta R.T. -0.073 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 43 Resp: 69637

Ion	Ratio	Lower	Upper
43	100		
45	469.1	367.4	682.2
59	16.8	13.7	25.5

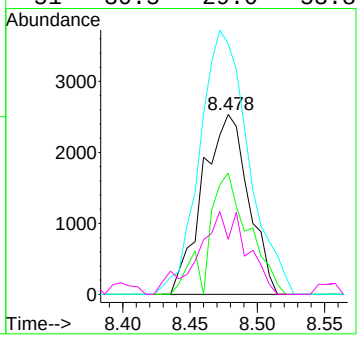


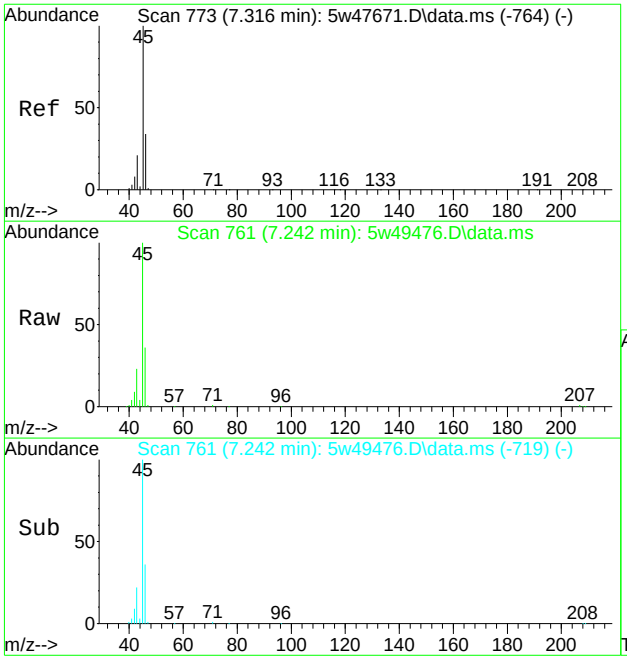


#28
Methylene Chloride
Concen: 0.29 ppb(v)
RT: 8.478 min Scan# 963
Delta R.T. -0.086 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 84 Resp: 6020

Ion	Ratio	Lower	Upper
84	100		
86	67.5	44.8	83.2
49	144.5	93.5	173.7
51	30.5	29.0	53.8

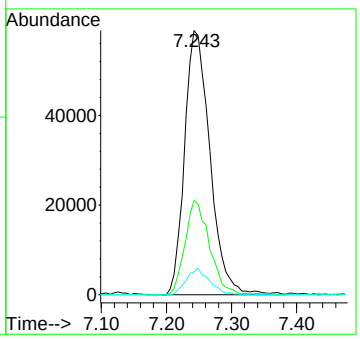


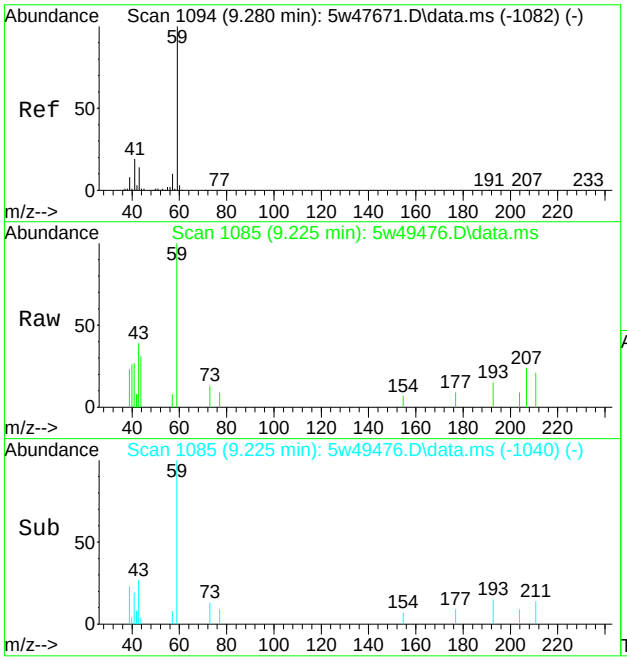


#30
Ethanol
Concen: 19.58 ppb(v)
RT: 7.242 min Scan# 761
Delta R.T. -0.073 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 45 Resp: 159622

Ion	Ratio	Lower	Upper
45	100		
46	35.7	23.9	44.5
42	8.8	5.9	11.1

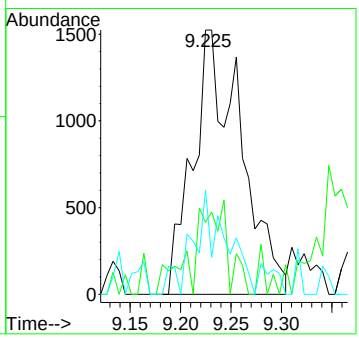


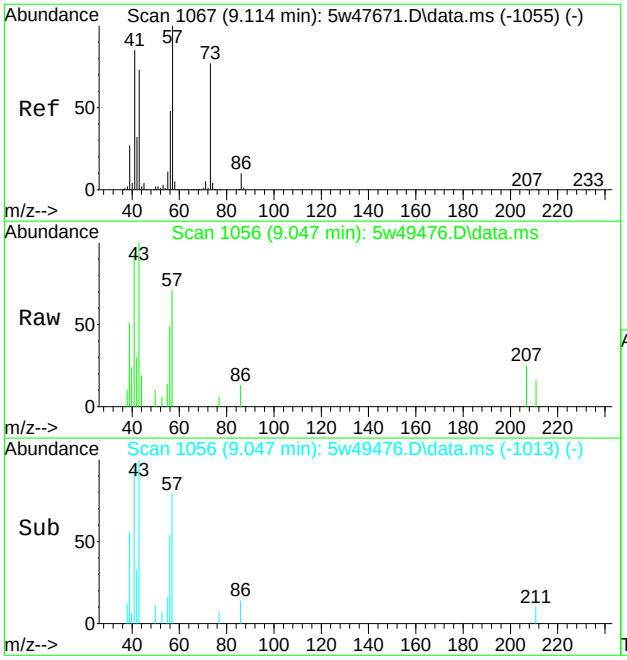


#34
tert-Butyl Alcohol
Concen: 0.10 ppb(v)
RT: 9.225 min Scan# 1085
Delta R.T. -0.055 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 59 Resp: 5040

Ion	Ratio	Lower	Upper
59	100		
41	35.4	13.8	25.6#
43	70.9	10.3	19.1#

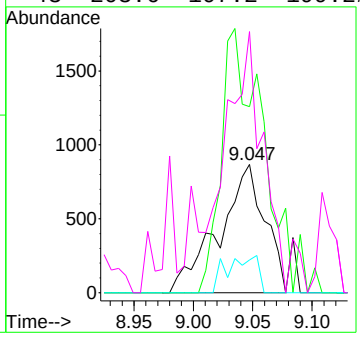


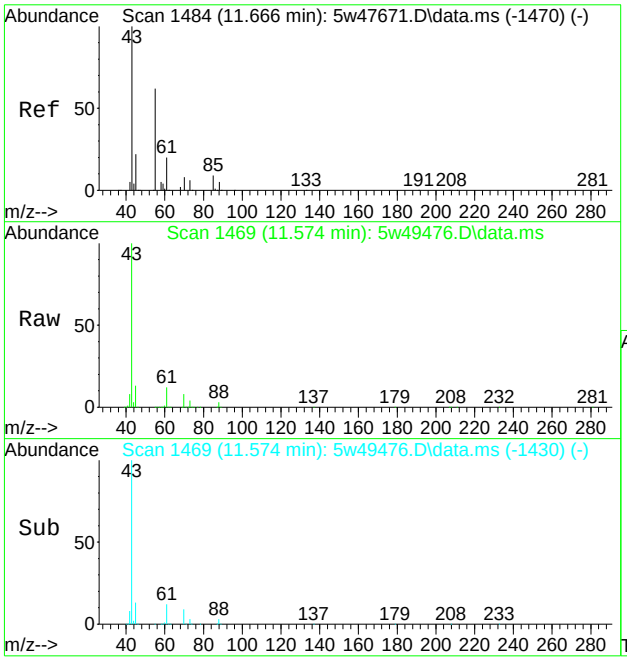


#39
Hexane
Concen: 0.12 ppb(v)
RT: 9.047 min Scan# 1056
Delta R.T. -0.067 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 56 Resp: 2345

Ion	Ratio	Lower	Upper
56	100		
57	145.0	147.0	273.0#
86	25.6	15.3	28.3
43	203.6	107.2	199.2#

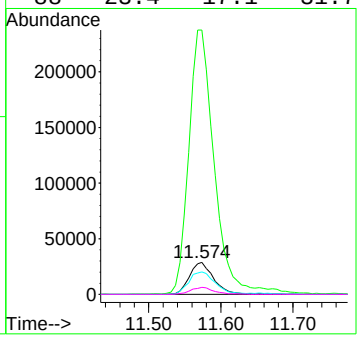


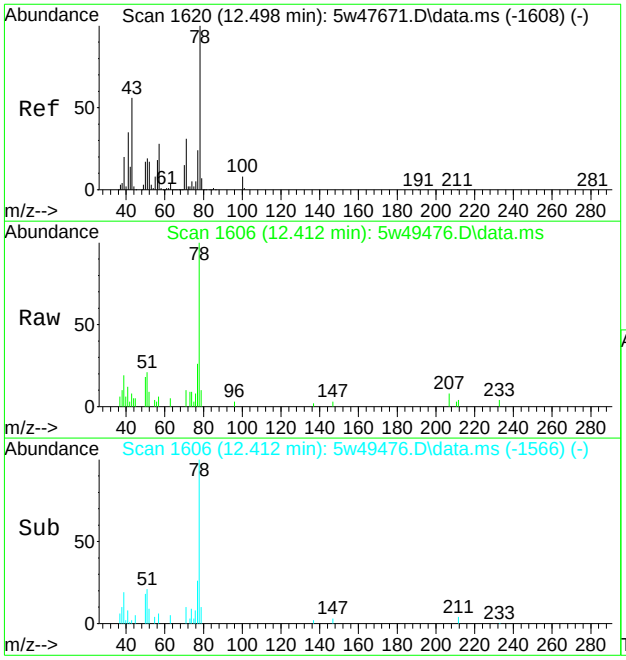


#42
Ethyl Acetate
Concen: 10.54 ppb(v)
RT: 11.574 min Scan# 1469
Delta R.T. -0.092 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 61 Resp: 67681

Ion	Ratio	Lower	Upper
61	100		
43	824.6	509.8	946.8
70	69.7	55.2	102.6
88	23.4	17.1	31.7

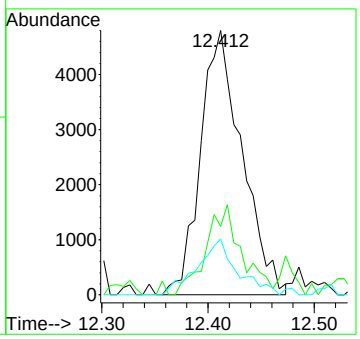


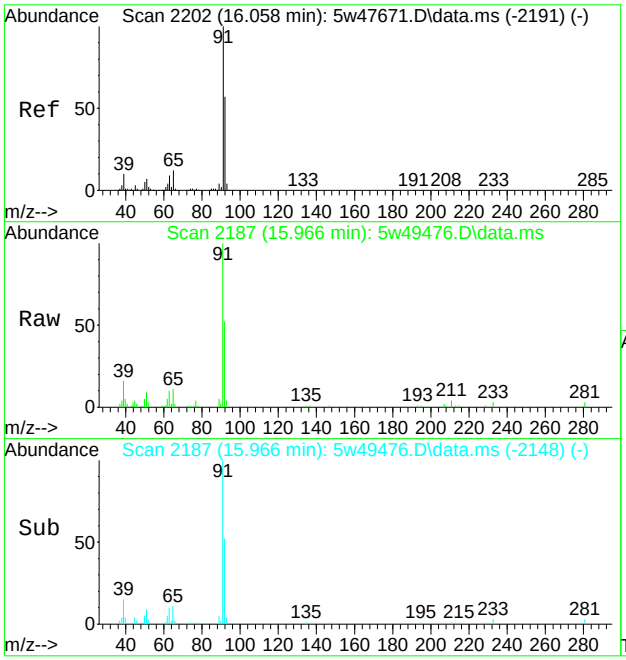


#49
Benzene
Concen: 0.19 ppb(v)
RT: 12.412 min Scan# 1606
Delta R.T. -0.086 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 78 Resp: 13051

Ion	Ratio	Lower	Upper
78	100		
77	114.0	16.9	31.5#
51	19.1	13.2	24.4

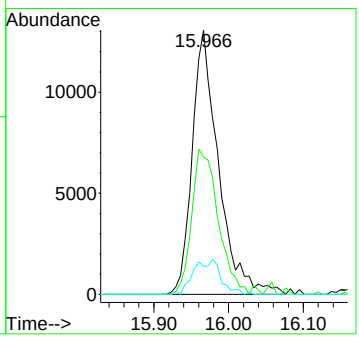


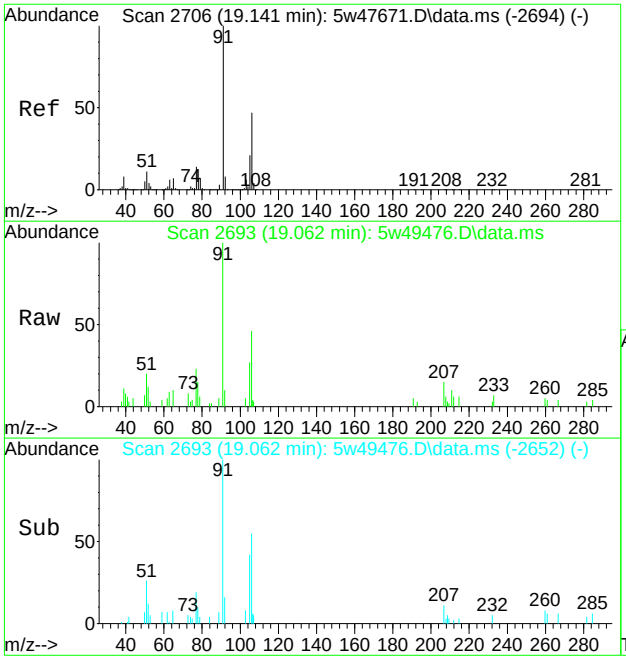


#66
Toluene
Concen: 0.40 ppb(v)
RT: 15.966 min Scan# 2187
Delta R.T. -0.092 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 91 Resp: 31932

Ion	Ratio	Lower	Upper
91	100		
92	37.1	39.8	74.0#
65	8.0	8.6	16.0#

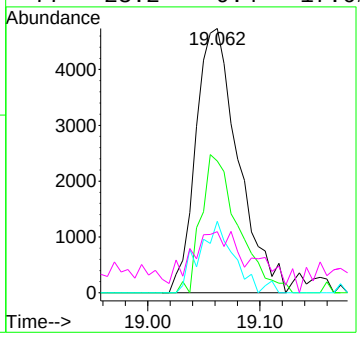


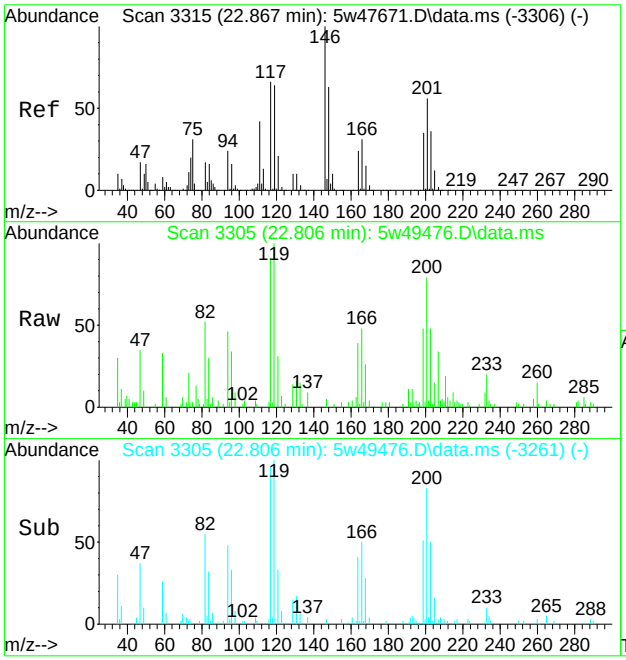


#79
m,p-Xylene
Concen: 0.16 ppb(v)
RT: 19.062 min Scan# 2693
Delta R.T. -0.079 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion: 91 Resp: 12449

Ion	Ratio	Lower	Upper
91	100		
106	49.8	32.6	60.5
105	27.0	14.5	26.9#
77	23.2	9.4	17.6#

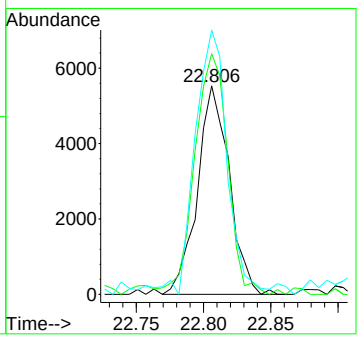




#104
Hexachloroethane
Concen: 0.30 ppb(v)
RT: 22.806 min Scan# 3305
Delta R.T. -0.061 min
Lab File: 5w49476.D
Acq: 24 Apr 2022 4:05 am

Tgt Ion:201 Resp: 9140

Ion	Ratio	Lower	Upper
201	100		
117	110.4	81.9	152.1
119	121.2	79.7	148.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49471.D
Acq On : 23 Apr 2022 11:48 pm
Operator : thomash
Sample : jd41994-10
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 25 10:13:10 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

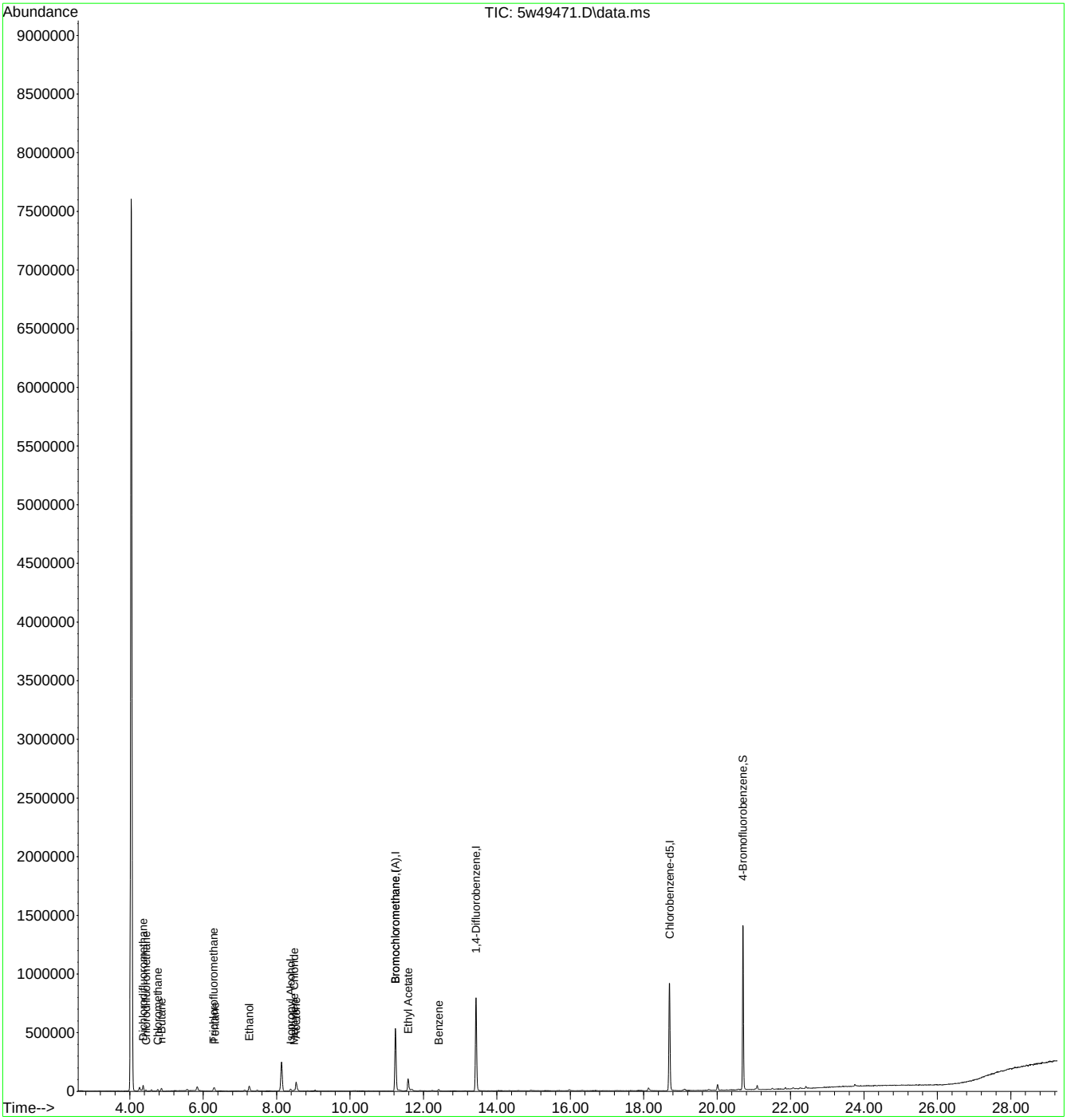
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.237	130	197833	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.433	114	722467	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	353532	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.237	130	197833	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	396446	8.87	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 88.70%			
Target Compounds						Qvalue
3) Chlorodifluoromethane	4.440	67	3446	0.48	ppb(v	91
6) Dichlorodifluoromethane	4.361	85	51577	0.66	ppb(v	97
8) Chloromethane	4.765	50	15318	0.73	ppb(v	98
12) n-Butane	4.862	58	2176	0.71	ppb(v#	35
21) Trichlorofluoromethane	6.288	101	22308	0.35	ppb(v	97
22) Acetone	8.527	58	29692	3.45	ppb(v	80
23) Pentane	6.319	57	1664	0.30	ppb(v	67
25) Isopropyl Alcohol	8.380	43	6977	0.95	ppb(v	54
28) Methylene Chloride	8.478	84	5084	0.25	ppb(v	84
30) Ethanol	7.255	45	64232	7.93	ppb(v	92
42) Ethyl Acetate	11.580	61	19830	3.11	ppb(v#	77
49) Benzene	12.418	78	12000	0.17	ppb(v	93

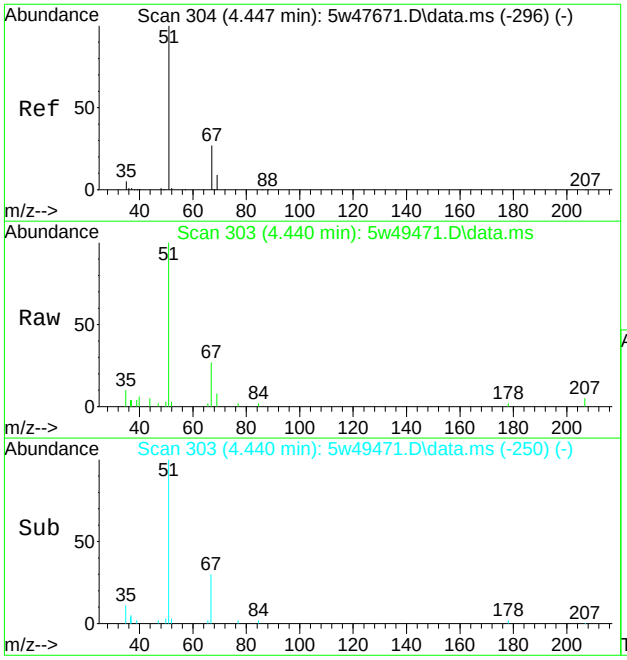
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49471.D
Acq On : 23 Apr 2022 11:48 pm
Operator : thomash
Sample : jd41994-10
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Apr 25 10:13:10 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

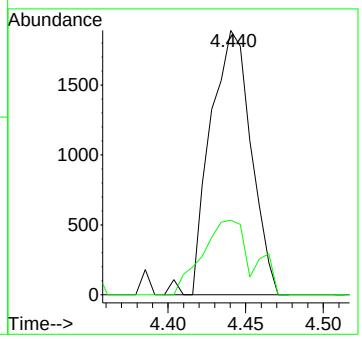


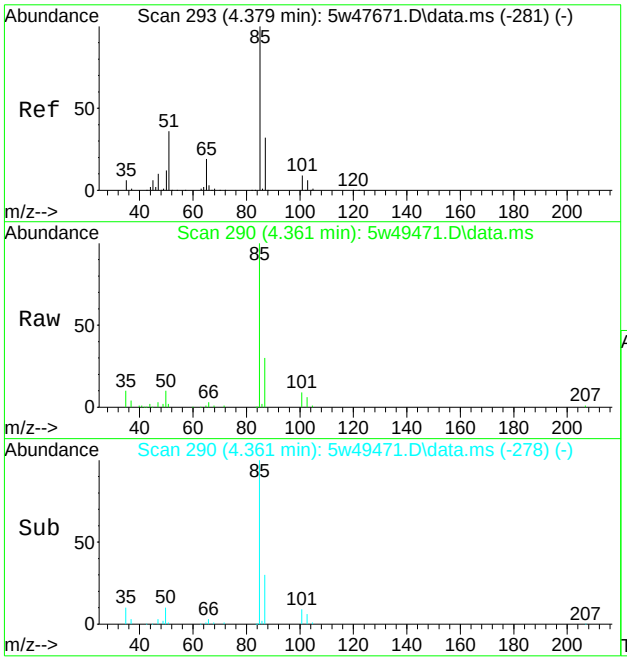


#3
Chlorodifluoromethane
Concen: 0.48 ppb(v)
RT: 4.440 min Scan# 303
Delta R.T. -0.006 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 67 Resp: 3446

Ion	Ratio	Lower	Upper
67	100		
69	28.2	23.5	43.7

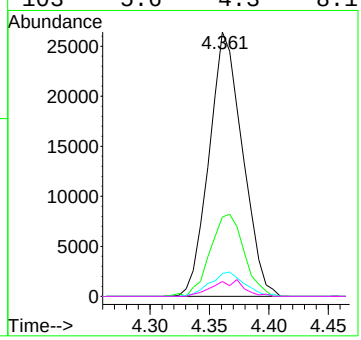


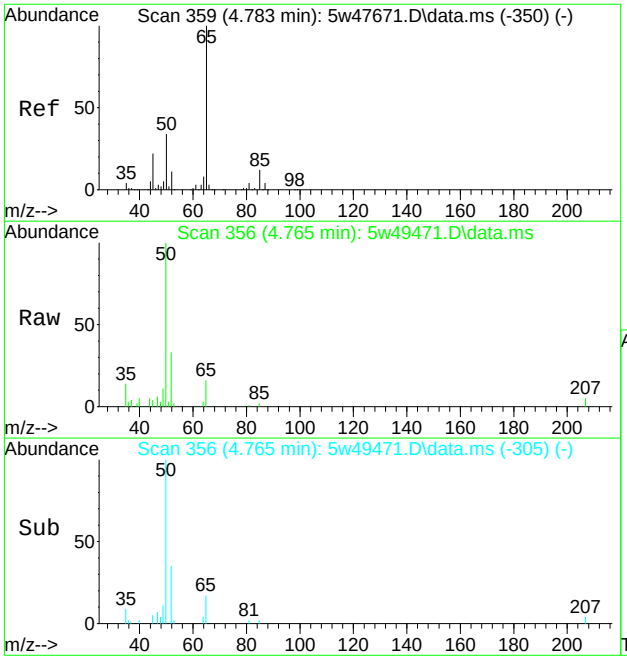


#6
Dichlorodifluoromethane
Concen: 0.66 ppb(v)
RT: 4.361 min Scan# 290
Delta R.T. -0.018 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 85 Resp: 51577

Ion	Ratio	Lower	Upper
85	100		
87	30.0	22.7	42.1
101	8.7	6.5	12.1
103	5.6	4.3	8.1

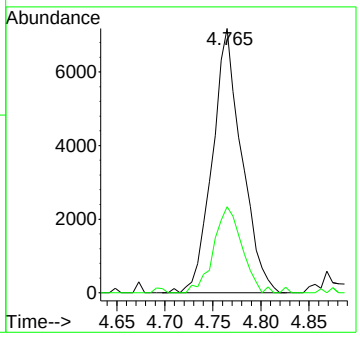


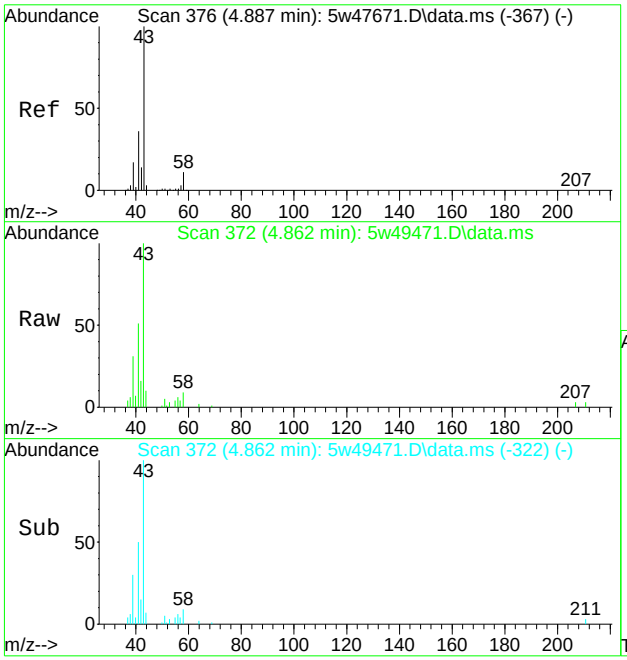


#8
Chloromethane
Concen: 0.73 ppb(v)
RT: 4.765 min Scan# 356
Delta R.T. -0.018 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 50 Resp: 15318

Ion	Ratio	Lower	Upper
50	100		
52	32.6	22.0	40.8

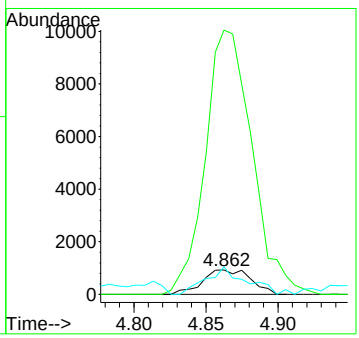


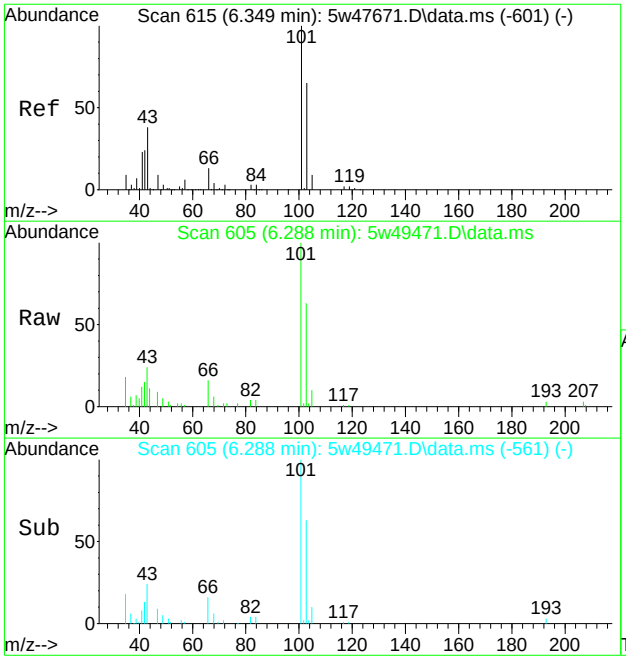


#12
n-Butane
Concen: 0.71 ppb(v)
RT: 4.862 min Scan# 372
Delta R.T. -0.025 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 58 Resp: 2176

Ion	Ratio	Lower	Upper
58	100		
43	1200.2	653.7	1213.9
44	113.3	23.2	43.0#

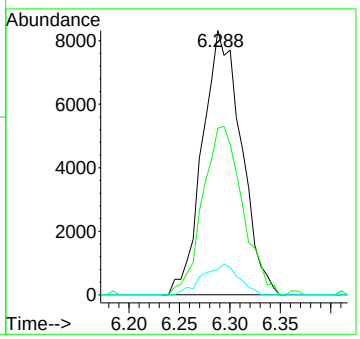


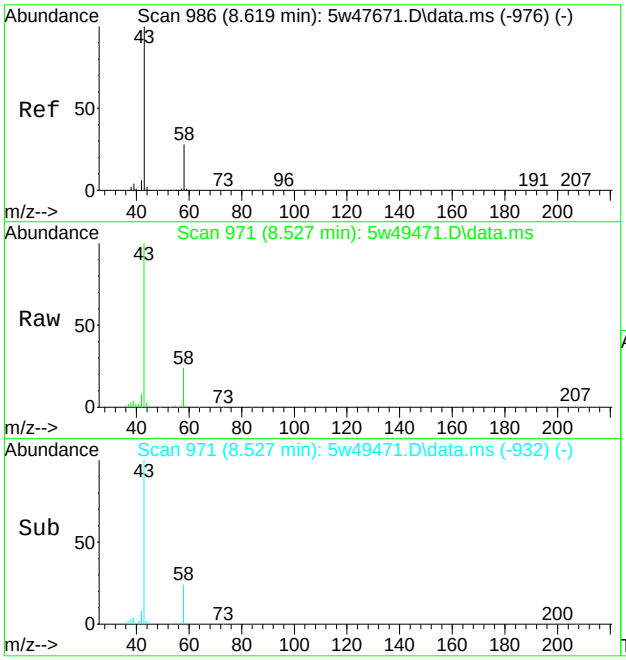


#21
Trichlorofluoromethane
Concen: 0.35 ppb(v)
RT: 6.288 min Scan# 605
Delta R.T. -0.061 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion:101 Resp: 22308

Ion	Ratio	Lower	Upper
101	100		
103	63.0	45.6	84.8
105	9.6	7.4	13.8

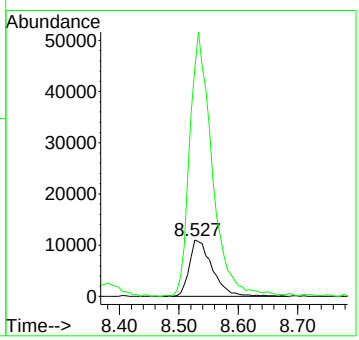


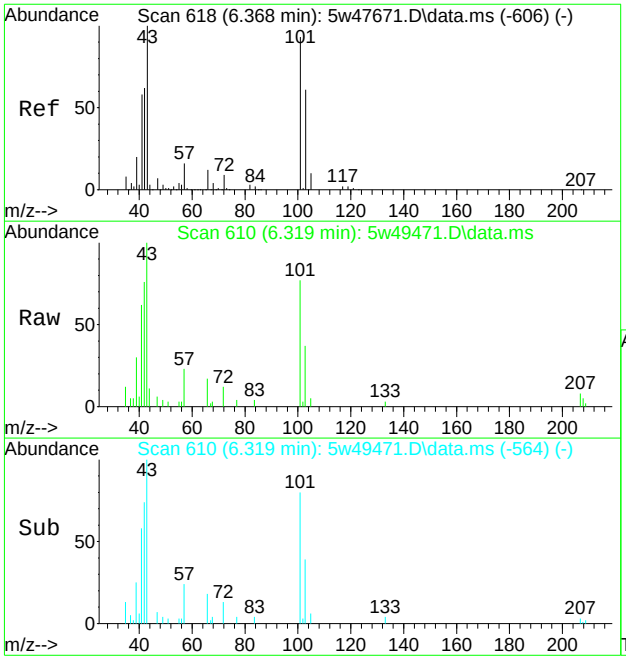


#22
Acetone
Concen: 3.45 ppb(v)
RT: 8.527 min Scan# 971
Delta R.T. -0.092 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 58 Resp: 29692

Ion	Ratio	Lower	Upper
58	100		
43	405.4	253.0	469.8

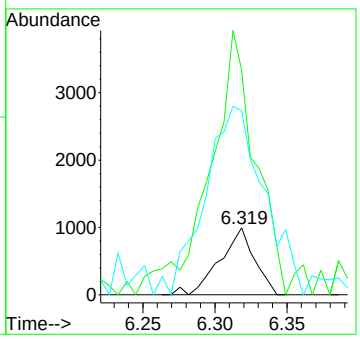


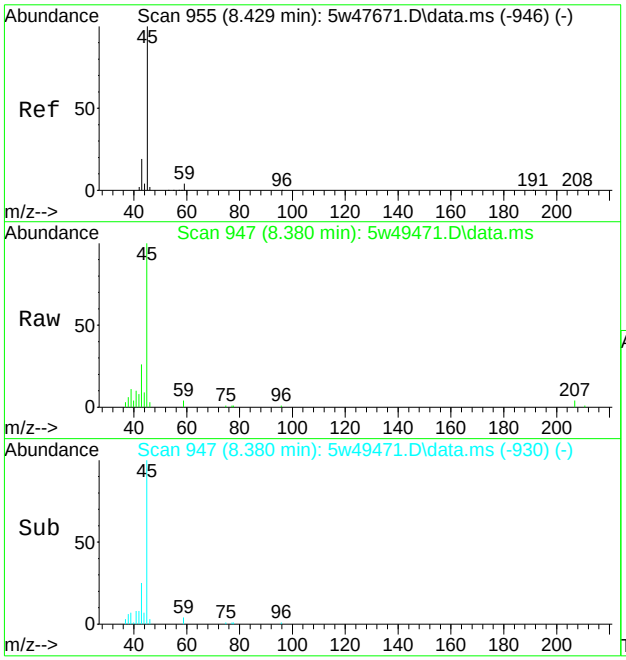


#23
Pentane
Concen: 0.30 ppb(v)
RT: 6.319 min Scan# 610
Delta R.T. -0.049 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 57 Resp: 1664

Ion	Ratio	Lower	Upper
57	100		
42	335.0	277.7	515.7
41	274.6	257.1	477.5

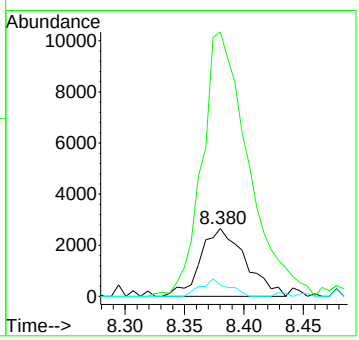


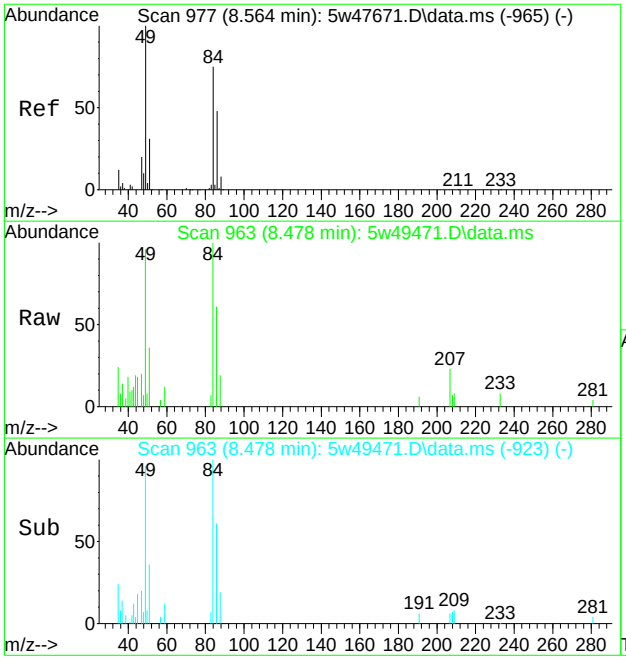


#25
Isopropyl Alcohol
Concen: 0.95 ppb(v)
RT: 8.380 min Scan# 947
Delta R.T. -0.049 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 43 Resp: 6977

Ion	Ratio	Lower	Upper
43	100		
45	390.0	367.4	682.2
59	16.7	13.7	25.5

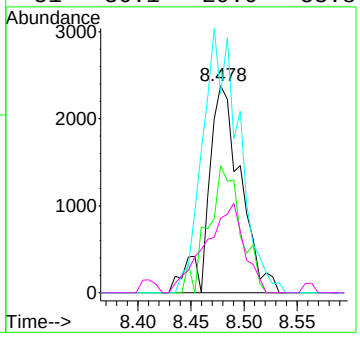


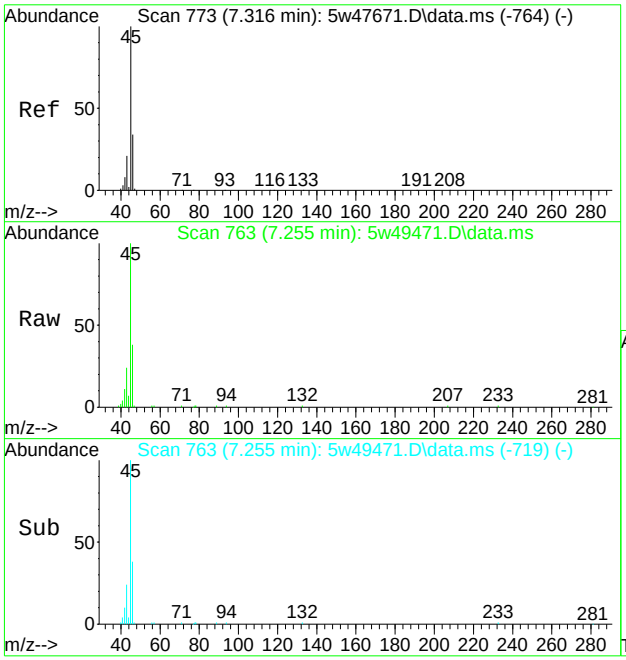


#28
Methylene Chloride
Concen: 0.25 ppb(v)
RT: 8.478 min Scan# 963
Delta R.T. -0.086 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 84 Resp: 5084

Ion	Ratio	Lower	Upper
84	100		
86	61.4	44.8	83.2
49	104.6	93.5	173.7
51	36.1	29.0	53.8

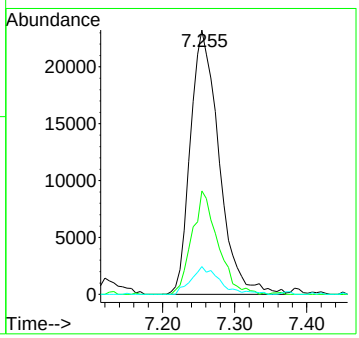


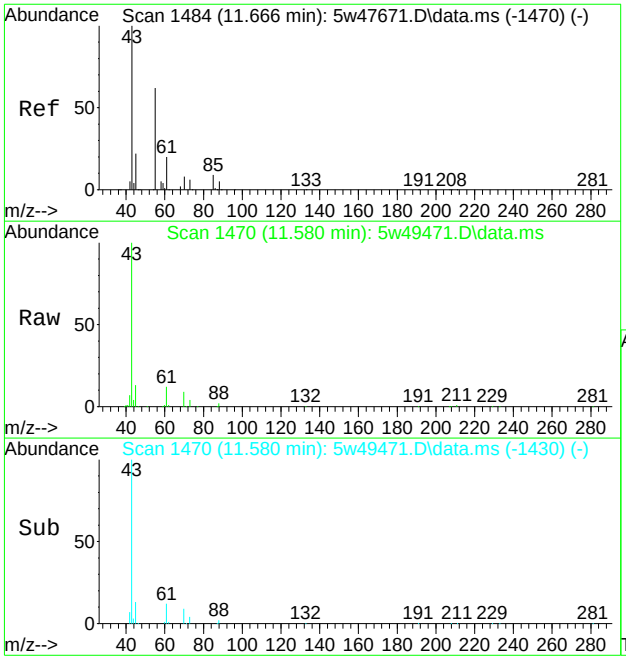


#30
Ethanol
Concen: 7.93 ppb(v)
RT: 7.255 min Scan# 763
Delta R.T. -0.061 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 45 Resp: 64232

Ion	Ratio	Lower	Upper
45	100		
46	39.2	23.9	44.5
42	10.5	5.9	11.1

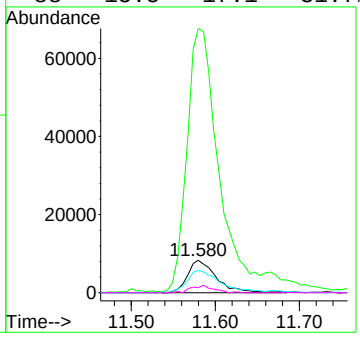


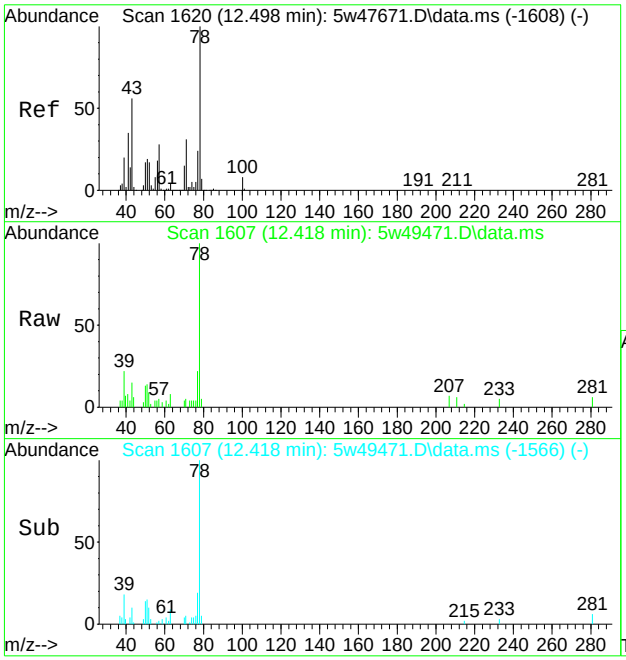


#42
Ethyl Acetate
Concen: 3.11 ppb(v)
RT: 11.580 min Scan# 1470
Delta R.T. -0.086 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 61 Resp: 19830

Ion	Ratio	Lower	Upper
61	100		
43	813.7	509.8	946.8
70	69.2	55.2	102.6
88	15.5	17.1	31.7#

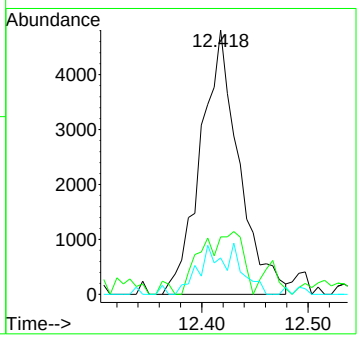




#49
Benzene
Concen: 0.17 ppb(v)
RT: 12.418 min Scan# 1607
Delta R.T. -0.080 min
Lab File: 5w49471.D
Acq: 23 Apr 2022 11:48 pm

Tgt Ion: 78 Resp: 12000

Ion	Ratio	Lower	Upper
78	100		
77	21.7	16.9	31.5
51	23.1	13.2	24.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49459.D
Acq On : 23 Apr 2022 1:34 pm
Operator : thomash
Sample : mb
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 25 08:15:57 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

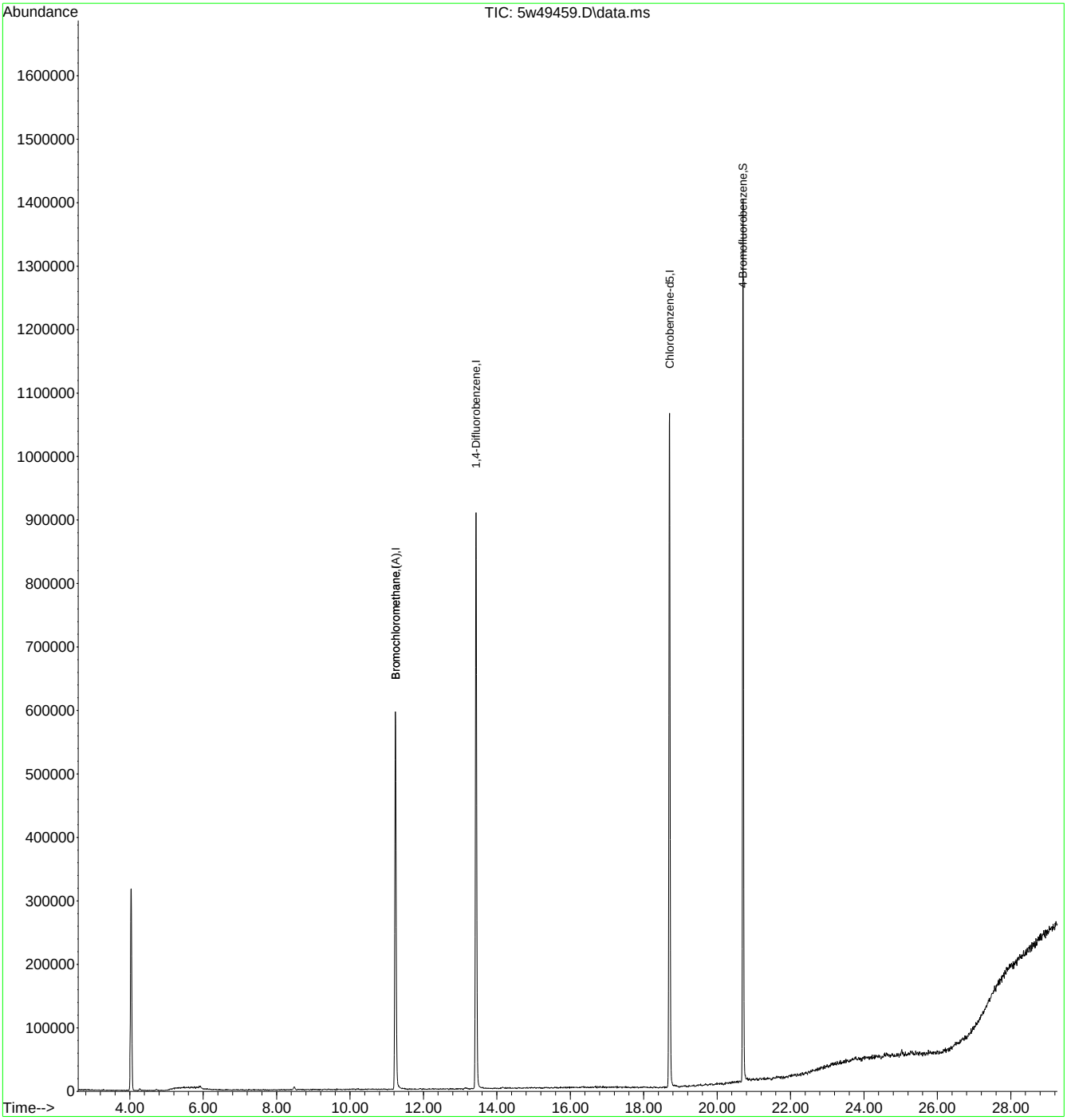
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.243	130	239906	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.433	114	846780	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	413111	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.243	130	239906	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	416712	7.98	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 79.80%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49459.D
Acq On : 23 Apr 2022 1:34 pm
Operator : thomash
Sample : mb
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Apr 25 08:15:57 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58397.D
Acq On : 21 Mar 2022 1:30 pm
Operator : thomash
Sample : mb
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 15:22:02 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

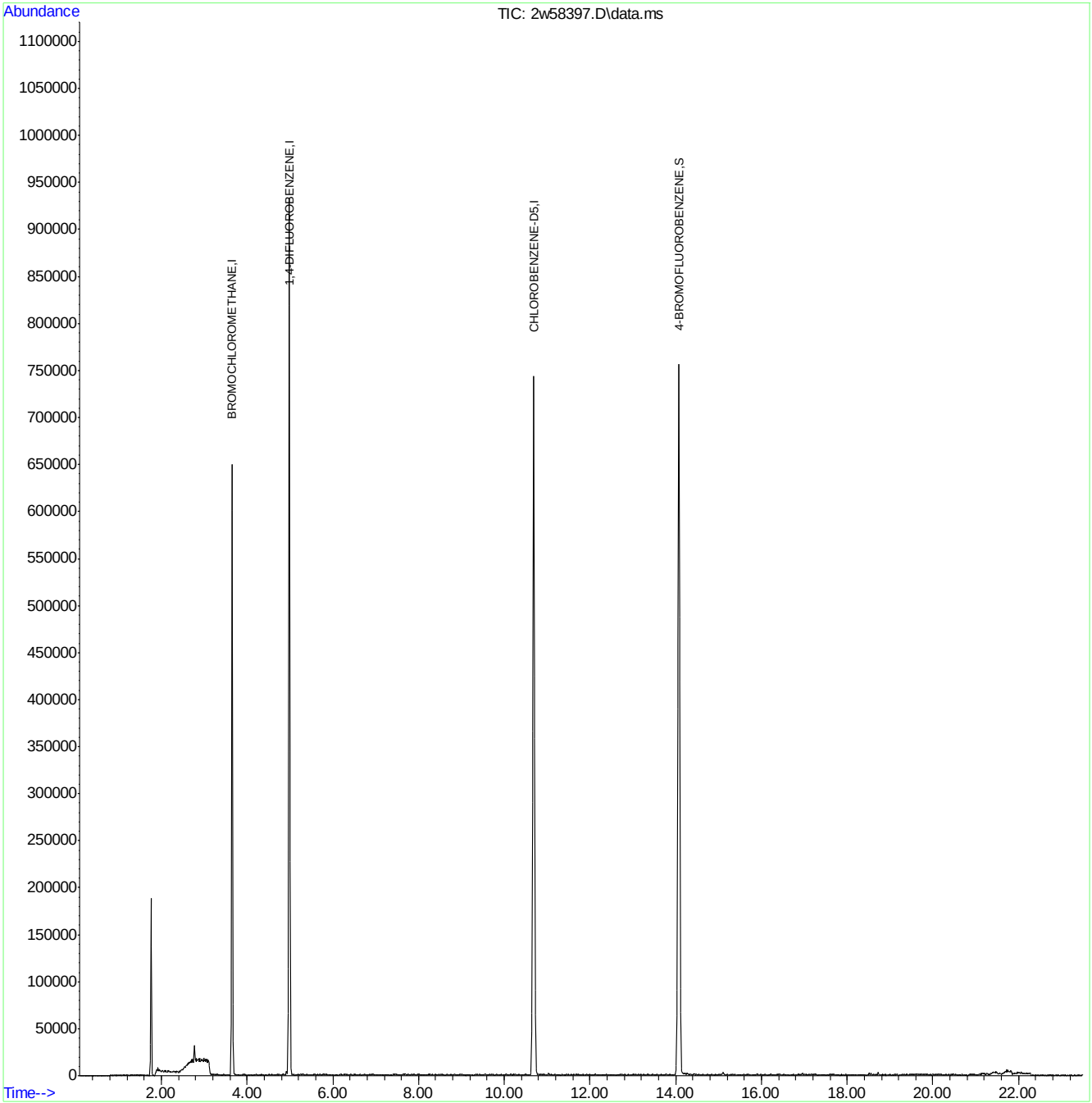
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.650	128	145688	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	775723	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.688	117	721002	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.077	95	432622	9.54	PPBV	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58397.D
Acq On : 21 Mar 2022 1:30 pm
Operator : thomash
Sample : mb
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 21 15:22:02 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49456.D
Acq On : 23 Apr 2022 11:05 am
Operator : thomash
Sample : bs
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:13:59 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.231	130	235637	10.00	ppb(v	-0.11
53) 1,4-Difluorobenzene	13.427	114	837377	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	419472	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.231	130	235637	10.00	ppb(v	-0.11
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.707	95	542658	10.24	ppb(v	-0.07
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.40%			
Target Compounds						Qvalue
2) Freon 152A	4.336	65	156860	10.05	ppb(v	98
3) Chlorodifluoromethane	4.404	67	90073	10.61	ppb(v	95
4) Propene	4.245	41	178492	9.14	ppb(v	97
5) Chlorotrifluoroethene	4.294	116	440879	11.59	ppb(v	99
6) Dichlorodifluoromethane	4.330	85	1050752	11.33	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.728	65	677726	10.52	ppb(v	98
8) Chloromethane	4.728	50	199101	7.98	ppb(v	98
9) Dichlorotetrafluoroethane	4.636	85	902915	11.50	ppb(v	94
10) Vinyl Chloride	4.936	62	242983	9.52	ppb(v#	96
11) 1,3-Butadiene	4.991	54	143301	8.00	ppb(v	92
12) n-Butane	4.832	58	34447	9.44	ppb(v	88
13) Bromomethane	5.633	94	193438	9.36	ppb(v	99
14) Chloroethane	5.921	64	73897	6.51	ppb(v	97
15) Dichlorofluoromethane	6.361	67	660594	10.57	ppb(v	98
16) Acetonitrile	9.310	41	201203	9.94	ppb(v	97
17) Freon 123	7.444	83	608606	10.41	ppb(v	90
18) Freon 123A	7.322	117	309275	9.83	ppb(v	97
19) Bromoethene	6.178	106	257069	10.03	ppb(v#	93
20) Acrolein	7.940	56	83279	7.79	ppb(v#	95
21) Trichlorofluoromethane	6.263	101	888361	11.57	ppb(v	99
22) Acetone	8.509	58	97067	9.46	ppb(v	90
23) Pentane	6.288	57	57510	8.63	ppb(v	86
24) Iodomethane	7.591	142	813842	10.88	ppb(v	89
25) Isopropyl Alcohol	8.331	43	100871	11.48	ppb(v	71
26) 1,1-Dichloroethene	7.334	61	445674	9.82	ppb(v	97
27) Freon 113	7.450	101	635472	10.67	ppb(v	93
28) Methylene Chloride	8.454	84	232353	9.51	ppb(v	92
29) Carbon Disulfide	7.389	76	785451	9.99	ppb(v	100
30) Ethanol	7.230	45	100766	10.44	ppb(v	96
31) Acrylonitrile	9.916	53	155545	8.69	ppb(v	96
32) 3-Chloropropene	8.270	76	111054	9.62	ppb(v	82
33) trans-1,2-Dichloroethene	8.802	61	392393	9.50	ppb(v	97
34) tert-Butyl Alcohol	9.176	59	513335	8.84	ppb(v	92
35) Methyl tert-Butyl Ether	9.041	73	715923	9.21	ppb(v#	82
36) Vinyl Acetate	10.362	43	673902	10.16	ppb(v	97
37) 1,1-Dichloroethane	9.922	63	464591	9.53	ppb(v	97
38) 2-Butanone	11.849	72	103310	9.69	ppb(v	86
39) Hexane	9.023	56	182399	7.98	ppb(v	83
40) cis-1,2-Dichloroethene	10.888	61	372493	9.51	ppb(v	99
41) Di-isopropyl Ether	9.769	87	176213	8.80	ppb(v	83
42) Ethyl Acetate	11.561	61	75005	9.87	ppb(v	66
43) Methyl Acrylate	11.574	55	389671	8.99	ppb(v	99
44) Chloroform	11.372	83	682922	10.13	ppb(v	98
45) 2,4-Dimethylpentane	10.081	57	390741	7.91	ppb(v	98
46) Tetrahydrofuran	11.659	72	115140	9.95	ppb(v	90
47) 1,1,1-Trichloroethane	11.757	97	690936	10.15	ppb(v	98
48) 1,2-Dichloroethane	12.699	62	421368	10.06	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49456.D
Acq On : 23 Apr 2022 11:05 am
Operator : thomash
Sample : bs
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:13:59 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Benzene	12.393	78	721366	8.64	ppb(v	99
50)	Carbon Tetrachloride	11.672	117	753414	10.74	ppb(v	97
51)	Cyclohexane	11.329	56	316954	7.80	ppb(v	96
52)	2,3-Dimethylpentane	11.506	71	153387	8.44	ppb(v	89
54)	2,2,4-Trimethylpentane	12.222	57	1047557	8.64	ppb(v	92
55)	Heptane	12.406	71	223521	9.25	ppb(v	94
56)	Trichloroethene	13.421	97	248859	9.96	ppb(v	96
57)	1,2-Dichloropropane	14.284	63	280460	9.71	ppb(v	95
58)	Dibromomethane	14.119	174	439722	11.93	ppb(v	85
59)	Ethyl Acrylate	14.290	55	531762	9.31	ppb(v	98
60)	Methyl Methacrylate	14.651	69	261105	9.74	ppb(v	88
61)	1,4-Dioxane	14.724	88	156414	8.01	ppb(v	96
62)	Bromodichloromethane	14.400	83	737712	10.99	ppb(v	99
63)	cis-1,3-Dichloropropene	15.501	75	464312	8.89	ppb(v	98
64)	4-Methyl-2-pentanone	16.566	58	215425	9.37	ppb(v	85
65)	trans-1,3-Dichloropropene	16.657	75	449063	9.13	ppb(v	99
66)	Toluene	15.960	91	847360	8.89	ppb(v	99
67)	1,1,2-Trichloroethane	16.945	97	339648	9.89	ppb(v	96
68)	1,3-Dichloropropane	17.447	76	442112	9.74	ppb(v	93
69)	2-Hexanone	18.095	43	642701	10.14	ppb(v	90
70)	Ethyl Methacrylate	16.939	69	450785	10.10	ppb(v	91
71)	Dibromochloromethane	17.306	129	764134	11.11	ppb(v	98
72)	Tetrachloroethene	16.694	166	610388	11.80	ppb(v	92
73)	1,2-Dibromoethane	17.746	107	550695	9.99	ppb(v#	95
74)	Octane	15.679	43	610016	10.61	ppb(v	88
75)	1,1,1,2-Tetrachloroethane	18.848	131	440386	9.75	ppb(v	98
77)	Chlorobenzene	18.737	112	681656	8.89	ppb(v	96
78)	Ethylbenzene	18.793	91	1154457	9.28	ppb(v	97
79)	m,p-Xylene	19.049	91	1858720	19.92	ppb(v	98
80)	Styrene	19.857	104	625270	9.53	ppb(v	97
81)	Nonane	18.652	43	643244	10.01	ppb(v	98
82)	o-Xylene	19.784	91	909018	9.17	ppb(v	97
83)	Bromoform	19.900	173	920601	14.52	ppb(v	98
84)	1,1,2,2-Tetrachloroethane	20.970	83	775594	10.74	ppb(v	98
85)	1,2,3-Trichloropropane	21.166	75	613073	10.91	ppb(v	97
86)	Isopropylbenzene	20.285	105	1250350	9.43	ppb(v	97
87)	Bromobenzene	20.873	156	506454	11.62	ppb(v	92
88)	2-Chlorotoluene	21.142	126	310962	9.74	ppb(v	94
89)	n-Propylbenzene	20.909	120	321257	9.96	ppb(v	86
91)	4-Ethyltoluene	21.068	105	1212563	10.25	ppb(v	97
92)	1,3,5-Trimethylbenzene	21.185	105	1035715	10.51	ppb(v	97
93)	alpha-Methylstyrene	21.533	118	503768	10.67	ppb(v	97
94)	tert-Butylbenzene	21.637	134	204456	9.32	ppb(v	94
95)	1,2,4-Trimethylbenzene	21.729	105	1013693	10.47	ppb(v	98
96)	1,3-Dichlorobenzene	22.170	146	763354	12.61	ppb(v	96
97)	1,2,3-trimethylbenzene	22.304	105	1022742	11.07	ppb(v	97
98)	Benzyl Chloride	22.573	126	181341	11.57	ppb(v	89
99)	1,4-Dichlorobenzene	22.280	146	770978m	13.38	ppb(v	
100)	sec-Butylbenzene	21.882	134	267114	9.96	ppb(v	98
101)	p-Isopropyltoluene	22.059	134	299948	9.89	ppb(v	95
102)	1,2-Dichlorobenzene	22.806	146	818706	15.57	ppb(v	95
103)	n-Butylbenzene	22.598	134	256028	10.41	ppb(v	95
104)	Hexachloroethane	22.812	201	574460	15.61	ppb(v	76
105)	1,2,4-Trichlorobenzene	24.598	180	359349	14.11	ppb(v	98
106)	Naphthalene	25.014	128	632666	9.46	ppb(v	98
107)	Hexachlorobutadiene	24.568	225	632288	16.63	ppb(v	98
109)	TVHC as equiv Pentane	6.270	TIC	3366068	12.15	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49456.D
Acq On : 23 Apr 2022 11:05 am
Operator : thomash
Sample : bs
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:13:59 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

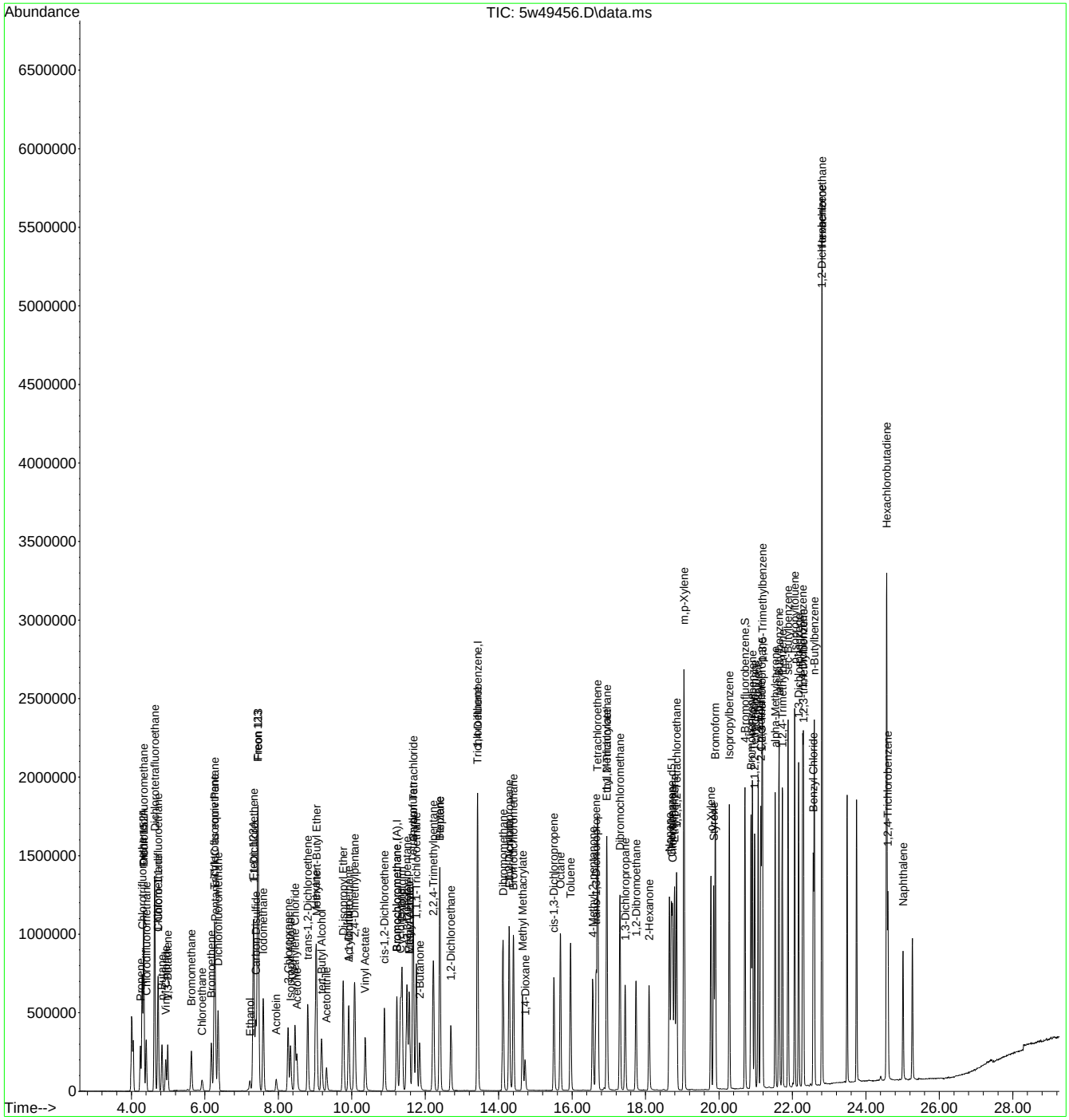
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49456.D
Acq On : 23 Apr 2022 11:05 am
Operator : thomash
Sample : bs
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:13:59 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration



Manual Integration Approval Summary

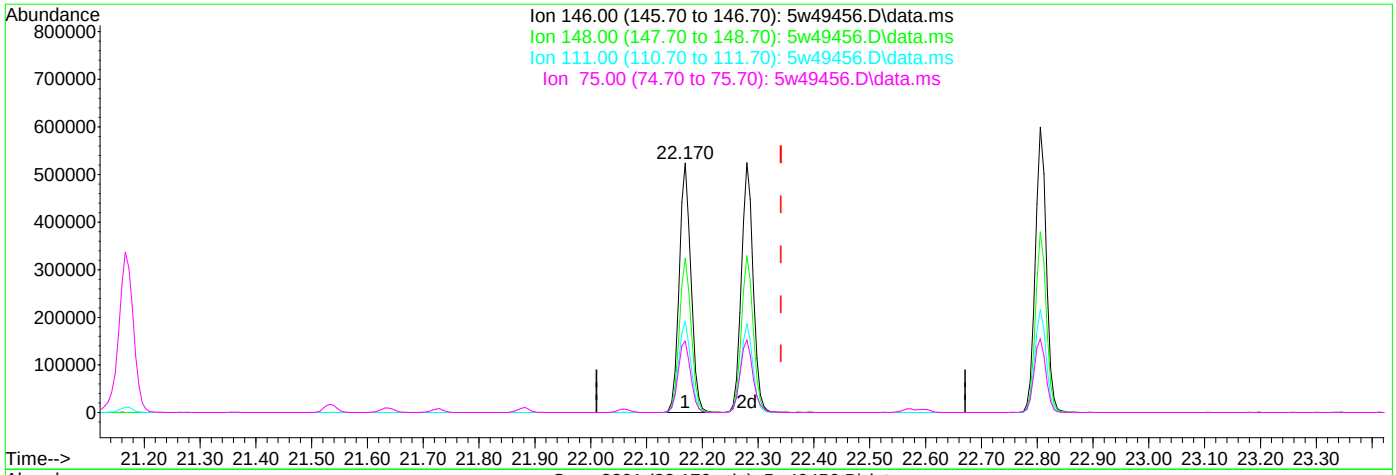
Sample Number: V5W2045-BS
Lab FileID: 5W49456.D
Injection Time: 04/23/22 11:05
Method: TO-15
Analyst approved: 04/25/22 08:27 Thomas Hilbig
Supervisor approved: 04/26/22 11:56 Kanya Veerawat

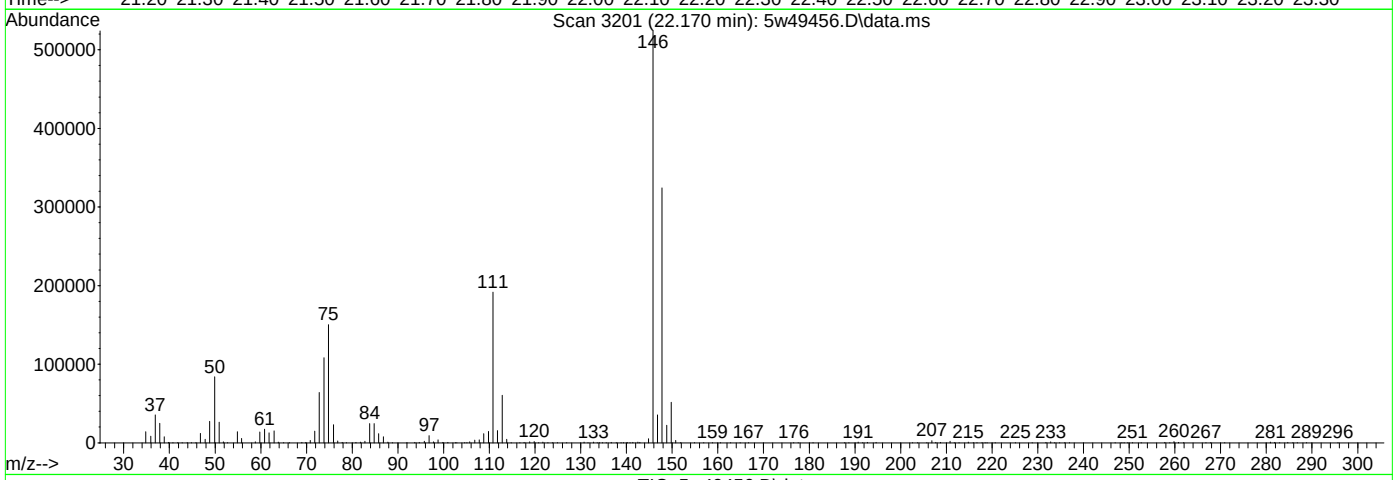
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Dichlorobenzene	106-46-7		22.28	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49456.D
Acq On : 23 Apr 2022 11:05 am
Operator : thomash
Sample : bs
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 11:37:49 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49456.D\data.ms

(99) 1,4-Dichlorobenzene

22.170min (-0.171) 13.25ppb(v)

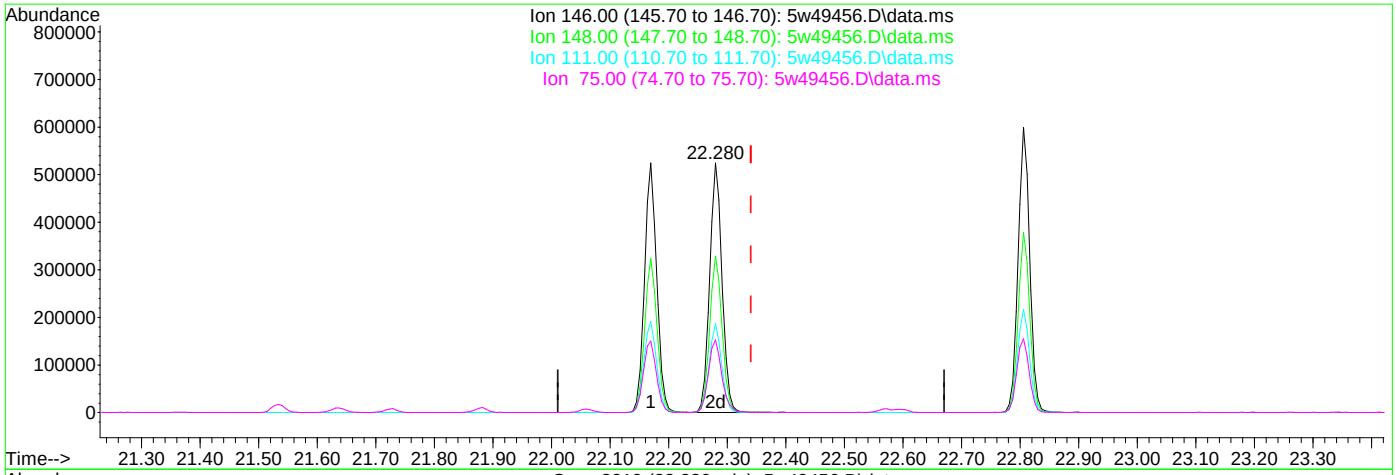
response 763354

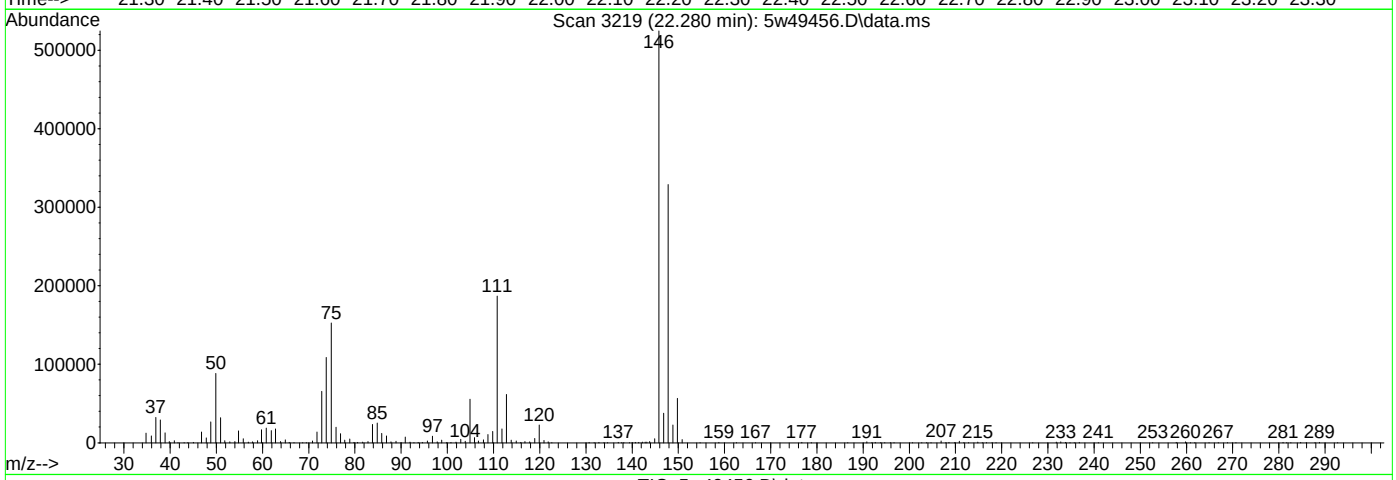
Ion	Exp%	Act%
146.00	100	100
148.00	63.30	61.88
111.00	39.70	36.54
75.00	31.30	28.68

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49456.D
Acq On : 23 Apr 2022 11:05 am
Operator : thomash
Sample : bs
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 11:37:49 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49456.D\data.ms

(99) 1,4-Dichlorobenzene

22.280min (-0.061) 13.38ppb(v) m

response 770978

Ion	Exp%	Act%
146.00	100	100
148.00	63.30	62.69
111.00	39.70	35.62
75.00	31.30	29.12

Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49457.D
Acq On : 23 Apr 2022 11:51 am
Operator : thomash
Sample : bsd
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:14:49 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.243	130	261306	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.434	114	923588	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	444875	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.243	130	261306	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.708	95	568844	10.12	ppb(v	-0.07
Spiked Amount 10.000	Range 65 - 128		Recovery = 101.20%			
Target Compounds						Qvalue
2) Freon 152A	4.361	65	137989	7.97	ppb(v	98
3) Chlorodifluoromethane	4.428	67	83934	8.91	ppb(v	97
4) Propene	4.269	41	142810	6.60	ppb(v	96
5) Chlorotrifluoroethene	4.318	116	419163	9.94	ppb(v	95
6) Dichlorodifluoromethane	4.361	85	977446	9.51	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.753	65	615145	8.61	ppb(v	97
8) Chloromethane	4.759	50	171742	6.21	ppb(v	97
9) Dichlorotetrafluoroethane	4.661	85	819857	9.42	ppb(v	93
10) Vinyl Chloride	4.967	62	216314	7.64	ppb(v#	93
11) 1,3-Butadiene	5.022	54	129306	6.51	ppb(v	94
12) n-Butane	4.863	58	31807	7.86	ppb(v	77
13) Bromomethane	5.664	94	187586	8.18	ppb(v	97
14) Chloroethane	5.958	64	89590	7.12	ppb(v	96
15) Dichlorofluoromethane	6.392	67	666506	9.62	ppb(v	98
16) Acetonitrile	9.322	41	208297	9.28	ppb(v	99
17) Freon 123	7.469	83	629400	9.71	ppb(v	92
18) Freon 123A	7.346	117	338420	9.70	ppb(v	94
19) Bromoethene	6.209	106	282856	9.95	ppb(v	95
20) Acrolein	7.964	56	85814	7.24	ppb(v#	94
21) Trichlorofluoromethane	6.294	101	893844	10.50	ppb(v	98
22) Acetone	8.521	58	101988	8.96	ppb(v	94
23) Pentane	6.313	57	54832	7.42	ppb(v	81
24) Iodomethane	7.616	142	913684	11.01	ppb(v	93
25) Isopropyl Alcohol	8.350	43	101709	10.44	ppb(v	84
26) 1,1-Dichloroethene	7.359	61	451466	8.97	ppb(v	98
27) Freon 113	7.475	101	662524	10.03	ppb(v	92
28) Methylene Chloride	8.478	84	245890	9.07	ppb(v	92
29) Carbon Disulfide	7.414	76	839636	9.63	ppb(v	99
30) Ethanol	7.249	45	98111	9.17	ppb(v#	96
31) Acrylonitrile	9.934	53	164215	8.28	ppb(v	99
32) 3-Chloropropene	8.289	76	117228	9.16	ppb(v	95
33) trans-1,2-Dichloroethene	8.821	61	406904	8.89	ppb(v	98
34) tert-Butyl Alcohol	9.194	59	520106	8.07	ppb(v	93
35) Methyl tert-Butyl Ether	9.059	73	753421	8.74	ppb(v#	85
36) Vinyl Acetate	10.375	43	690279	9.38	ppb(v	98
37) 1,1-Dichloroethane	9.934	63	474155	8.77	ppb(v	99
38) 2-Butanone	11.855	72	114884	9.72	ppb(v	82
39) Hexane	9.047	56	191210	7.55	ppb(v	76
40) cis-1,2-Dichloroethene	10.901	61	376974	8.68	ppb(v	97
41) Di-isopropyl Ether	9.781	87	190459	8.58	ppb(v	94
42) Ethyl Acetate	11.574	61	77448	9.19	ppb(v	78
43) Methyl Acrylate	11.586	55	403230	8.39	ppb(v#	93
44) Chloroform	11.384	83	723635	9.68	ppb(v	98
45) 2,4-Dimethylpentane	10.093	57	409940	7.48	ppb(v	98
46) Tetrahydrofuran	11.672	72	123130	9.59	ppb(v	95
47) 1,1,1-Trichloroethane	11.770	97	736254	9.75	ppb(v	98
48) 1,2-Dichloroethane	12.712	62	435711	9.38	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49457.D
Acq On : 23 Apr 2022 11:51 am
Operator : thomash
Sample : bsd
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:14:49 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Benzene	12.406	78	772644	8.34	ppb(v	97
50) Carbon Tetrachloride	11.684	117	818780	10.53	ppb(v	96
51) Cyclohexane	11.341	56	329318	7.30	ppb(v	85
52) 2,3-Dimethylpentane	11.513	71	160013	7.94	ppb(v	87
54) 2,2,4-Trimethylpentane	12.235	57	1103979	8.26	ppb(v	92
55) Heptane	12.412	71	237328	8.91	ppb(v	91
56) Trichloroethene	13.434	97	268505	9.74	ppb(v	96
57) 1,2-Dichloropropane	14.290	63	287917	9.04	ppb(v	94
58) Dibromomethane	14.125	174	488297	12.01	ppb(v	84
59) Ethyl Acrylate	14.296	55	550486	8.74	ppb(v	97
60) Methyl Methacrylate	14.657	69	284166	9.61	ppb(v	97
61) 1,4-Dioxane	14.731	88	172032	7.99	ppb(v	97
62) Bromodichloromethane	14.406	83	780843	10.54	ppb(v	99
63) cis-1,3-Dichloropropene	15.508	75	493415	8.57	ppb(v	98
64) 4-Methyl-2-pentanone	16.566	58	219492	8.65	ppb(v	83
65) trans-1,3-Dichloropropene	16.658	75	485241	8.94	ppb(v	98
66) Toluene	15.960	91	923648	8.79	ppb(v	99
67) 1,1,2-Trichloroethane	16.951	97	365738	9.65	ppb(v	95
68) 1,3-Dichloropropane	17.453	76	469846	9.39	ppb(v	96
69) 2-Hexanone	18.095	43	651332	9.32	ppb(v	93
70) Ethyl Methacrylate	16.939	69	476671	9.68	ppb(v	91
71) Dibromochloromethane	17.306	129	824962	10.87	ppb(v	99
72) Tetrachloroethene	16.700	166	685032	12.01	ppb(v	94
73) 1,2-Dibromoethane	17.747	107	601629	9.90	ppb(v#	97
74) Octane	15.685	43	618886	9.76	ppb(v	97
75) 1,1,1,2-Tetrachloroethane	18.848	131	470730	9.45	ppb(v	96
77) Chlorobenzene	18.738	112	742233	9.12	ppb(v	96
78) Ethylbenzene	18.793	91	1217744	9.23	ppb(v	97
79) m,p-Xylene	19.050	91	1960233	19.81	ppb(v	99
80) Styrene	19.857	104	668973	9.62	ppb(v	98
81) Nonane	18.652	43	650050	9.54	ppb(v	99
82) o-Xylene	19.784	91	975227	9.28	ppb(v	99
83) Bromoform	19.900	173	980065	14.58	ppb(v	96
84) 1,1,2,2-Tetrachloroethane	20.971	83	811561	10.60	ppb(v	99
85) 1,2,3-Trichloropropane	21.166	75	635021	10.65	ppb(v	99
86) Isopropylbenzene	20.285	105	1325742	9.43	ppb(v	98
87) Bromobenzene	20.873	156	539375	11.67	ppb(v	88
88) 2-Chlorotoluene	21.142	126	331320	9.78	ppb(v	96
89) n-Propylbenzene	20.909	120	344216	10.06	ppb(v	84
91) 4-Ethyltoluene	21.069	105	1289684	10.28	ppb(v	97
92) 1,3,5-Trimethylbenzene	21.185	105	1097941	10.51	ppb(v	97
93) alpha-Methylstyrene	21.533	118	540608	10.80	ppb(v	98
94) tert-Butylbenzene	21.637	134	218478	9.39	ppb(v	97
95) 1,2,4-Trimethylbenzene	21.723	105	1084766	10.57	ppb(v	97
96) 1,3-Dichlorobenzene	22.170	146	808673	12.60	ppb(v	97
97) 1,2,3-trimethylbenzene	22.298	105	1087823	11.10	ppb(v	98
98) Benzyl Chloride	22.573	126	194081	11.68	ppb(v	88
99) 1,4-Dichlorobenzene	22.280	146	826382m	13.52	ppb(v	
100) sec-Butylbenzene	21.882	134	276578	9.72	ppb(v	99
101) p-Isopropyltoluene	22.060	134	311881	9.70	ppb(v	92
102) 1,2-Dichlorobenzene	22.806	146	876874	15.72	ppb(v	94
103) n-Butylbenzene	22.598	134	280184	10.74	ppb(v	97
104) Hexachloroethane	22.806	201	615717	15.77	ppb(v	80
105) 1,2,4-Trichlorobenzene	24.598	180	405401	15.01	ppb(v	100
106) Naphthalene	25.014	128	750160	10.58	ppb(v	100
107) Hexachlorobutadiene	24.568	225	675289	16.75	ppb(v	98
109) TVHC as equiv Pentane	6.294	TIC	3291153	10.71	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49457.D
Acq On : 23 Apr 2022 11:51 am
Operator : thomash
Sample : bsd
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:14:49 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

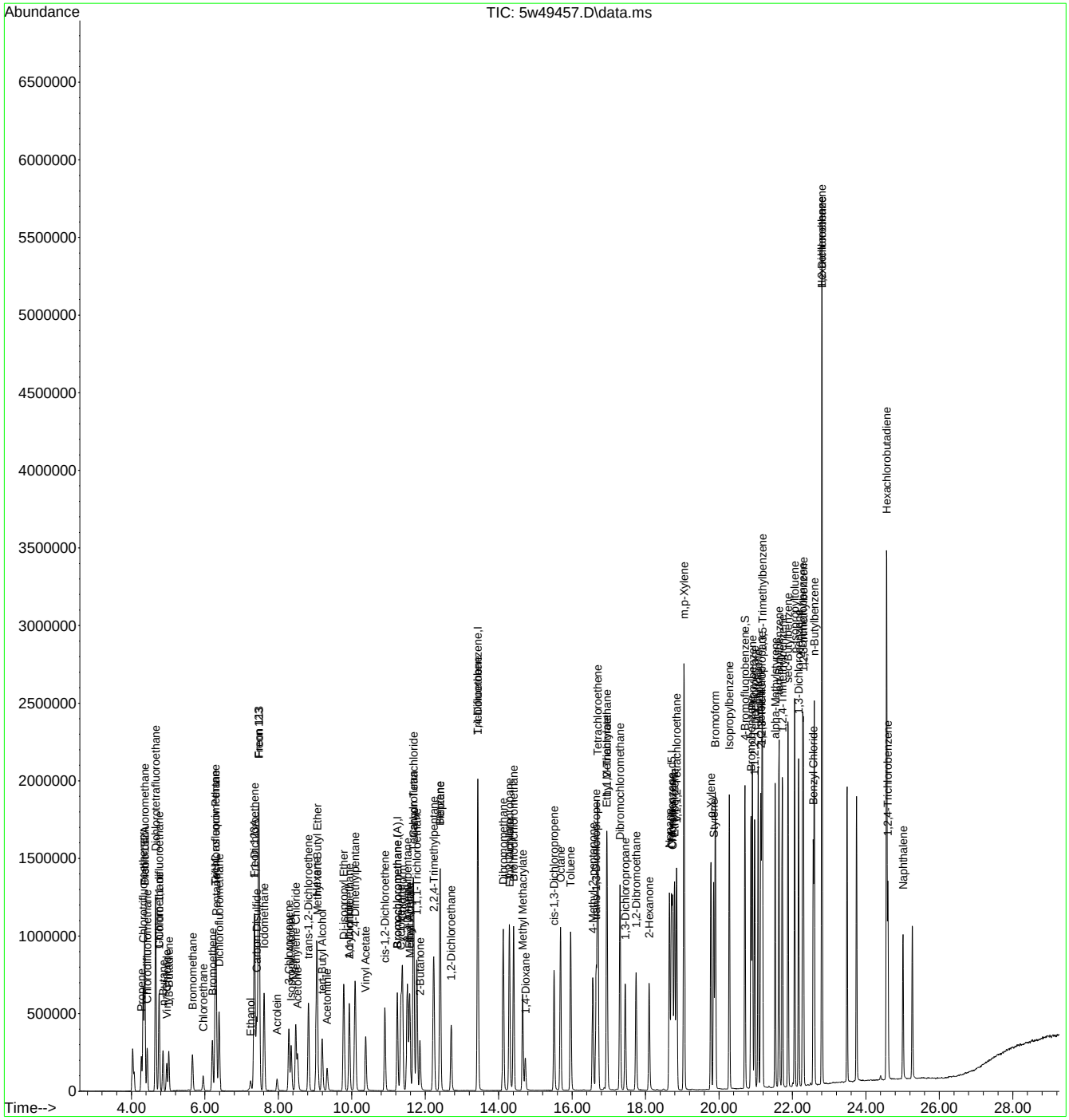
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49457.D
Acq On : 23 Apr 2022 11:51 am
Operator : thomash
Sample : bsd
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:14:49 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration



Manual Integration Approval Summary

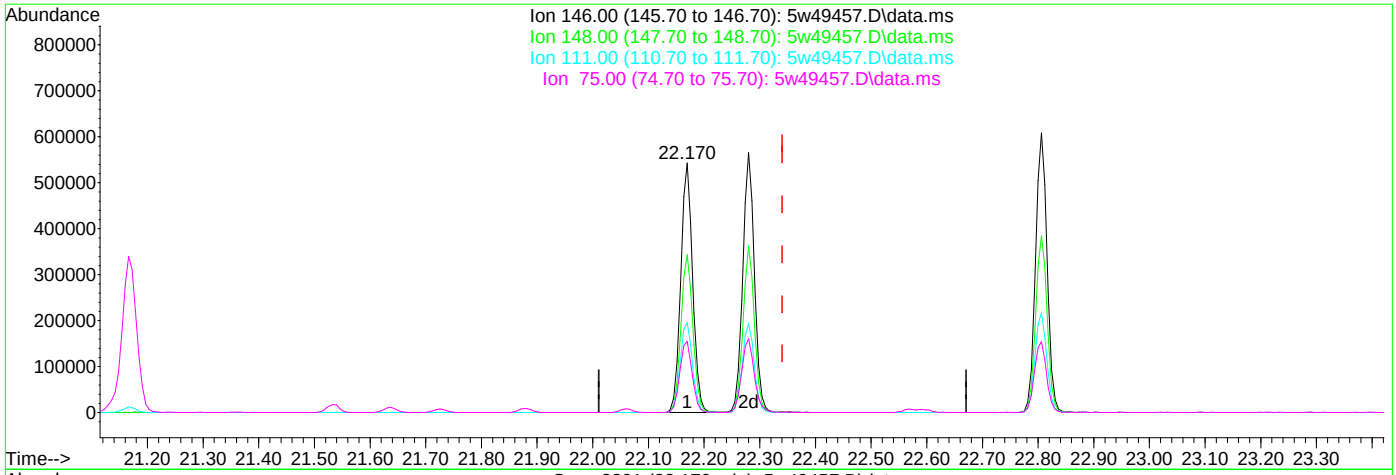
Sample Number: V5W2045-BSD
Lab FileID: 5W49457.D
Injection Time: 04/23/22 11:51
Method: TO-15
Analyst approved: 04/25/22 08:27 Thomas Hilbig
Supervisor approved: 04/26/22 11:56 Kanya Veerawat

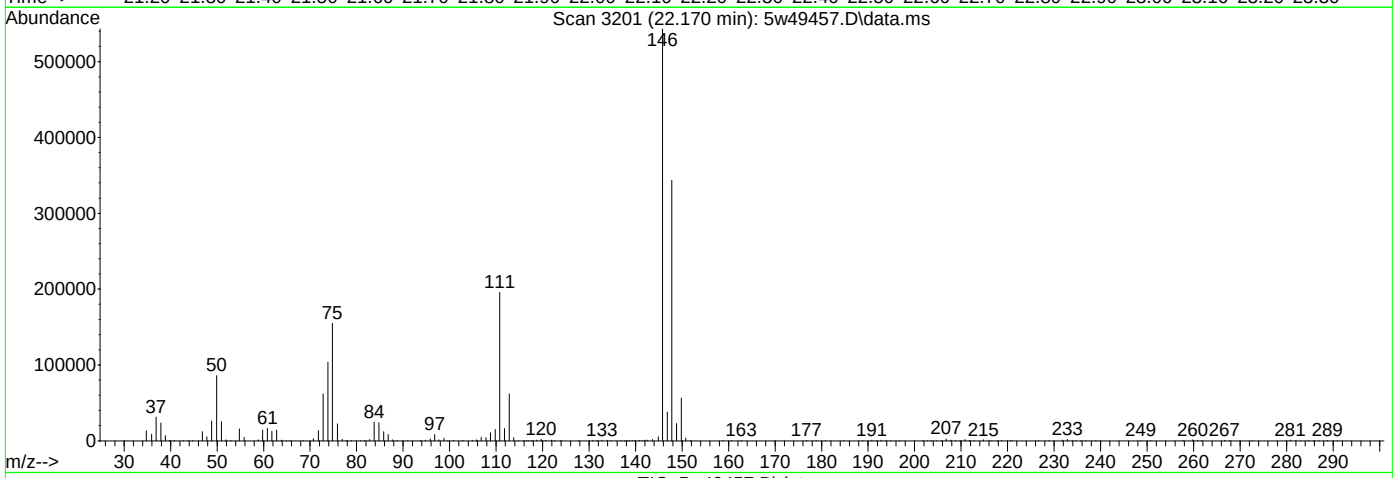
Parameter	CAS	Sig#	R.T. (min.)	Reason
p-Dichlorobenzene	106-46-7		22.28	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49457.D
Acq On : 23 Apr 2022 11:51 am
Operator : thomash
Sample : bsd
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 12:20:57 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49457.D\data.ms

(99) 1,4-Dichlorobenzene

22.170min (-0.171) 13.23ppb(v)

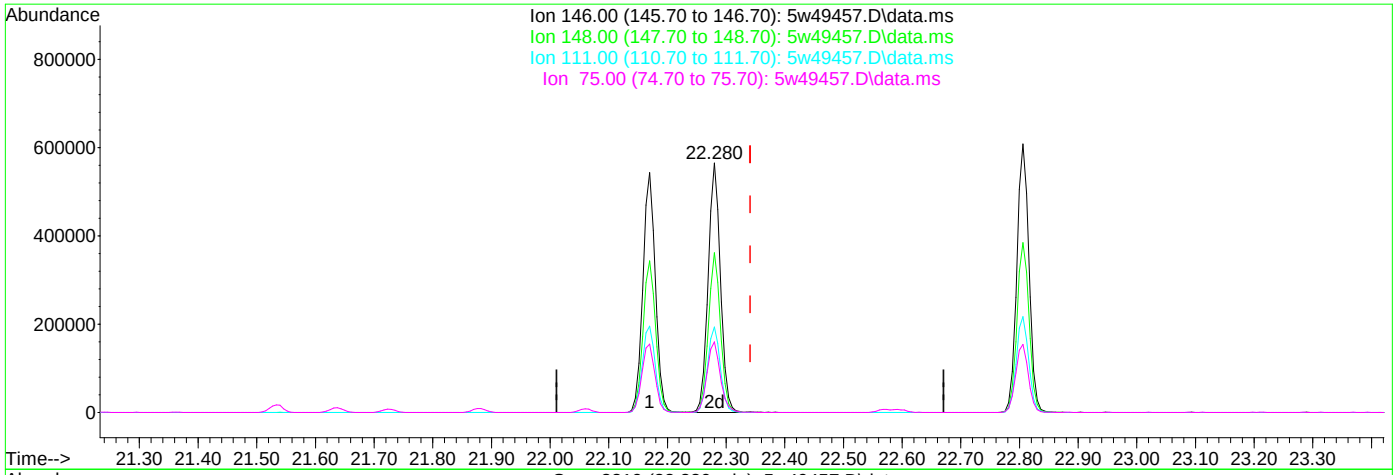
response 808673

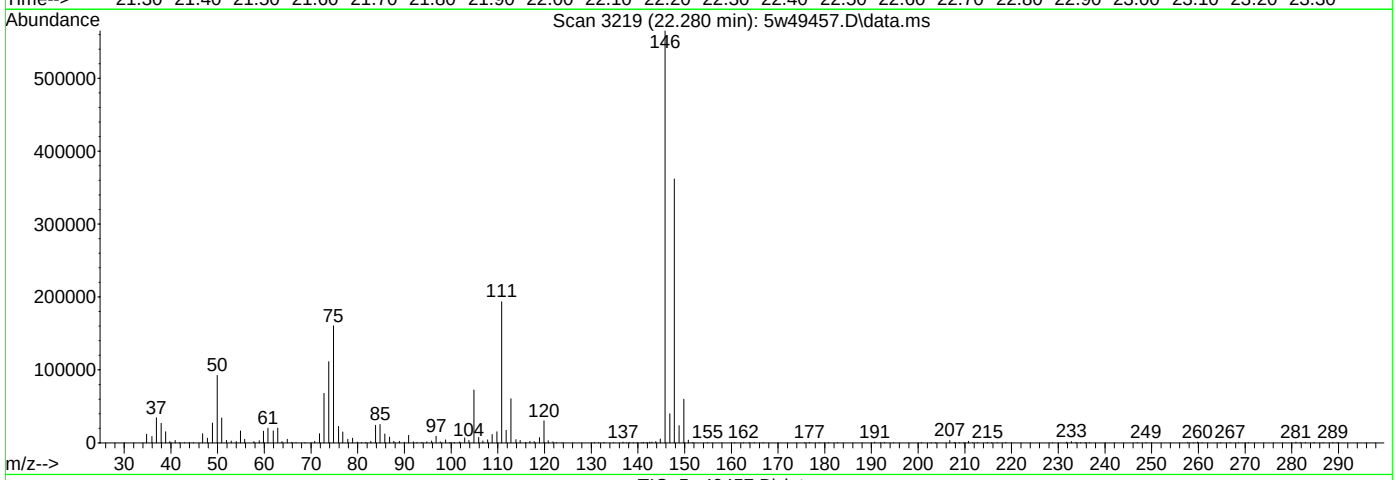
Ion	Exp%	Act%
146.00	100	100
148.00	63.30	63.22
111.00	39.70	36.03
75.00	31.30	28.57

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49457.D
Acq On : 23 Apr 2022 11:51 am
Operator : thomash
Sample : bsd
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 12:20:57 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49457.D\data.ms

(99) 1,4-Dichlorobenzene

22.280min (-0.061) 13.52ppb(v) m

response 826382

Ion	Exp%	Act%
146.00	100	100
148.00	63.30	64.08
111.00	39.70	34.26
75.00	31.30	28.38

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58393.D
Acq On : 21 Mar 2022 9:25 am
Operator : thomash
Sample : bs
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:41 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	188246	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	979777	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.685	117	949806	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	658697	11.02	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	55411	10.70	PPBV	#	86
4) CHLORODIFLUOROMETHANE	1.830	67	29898	11.10	PPBV		100
5) CHLOROTRIFLUOROETHENE	1.846	116	196068	9.82	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.869	85	859286	10.30	PPBV	#	97
7) PROPYLENE	1.846	41	50184	9.82	PPBV		92
8) 1-CHLORO-1,1-DIFLUOROE...	1.917	65	685017	10.30	PPBV		95
9) FREON 114	1.962	85	916600	10.39	PPBV		97
10) CHLOROMETHANE	1.923	52	68873	9.95	PPBV		97
11) VINYL CHLORIDE	2.004	62	259420	10.39	PPBV		99
12) 1,3-BUTADIENE	2.055	54	178265	10.27	PPBV	#	86
13) N-BUTANE	2.078	43	291726	10.17	PPBV		98
14) BROMOMETHANE	2.155	94	276516	9.66	PPBV		99
15) CHLOROETHANE	2.219	64	129933	10.30	PPBV		95
16) DICHLOROFLUOROMETHANE	2.254	67	560468	10.41	PPBV	#	97
17) ACETONITRILE	2.344	41	140449	9.91	PPBV		95
18) ACROLEIN	2.393	56	98478	9.80	PPBV		97
19) FREON 123	2.412	83	647635	10.10	PPBV		97
20) FREON 123A	2.438	117	387122	9.52	PPBV		96
21) TRICHLOROFLUOROMETHANE	2.518	101	936449	9.36	PPBV		100
22) ISOPROPYL ALCOHOL	2.534	45	540799	9.96	PPBV		96
23) ACETONE	2.444	58	114719	9.28	PPBV	#	71
24) PENTANE	2.640	42	375993	9.20	PPBV		96
25) IODOMETHANE	2.701	142	1622879	9.02	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.730	96	606212	9.02	PPBV		94
27) CARBON DISULFIDE	2.865	76	1991899	10.11	PPBV	#	91
28) ETHANOL	2.258	45	74408	8.94	PPBV	#	98
29) BROMOETHENE	2.351	106	274418	9.59	PPBV	#	98
30) ACRYLONITRILE	2.611	52	268162	9.03	PPBV		97
31) METHYLENE CHLORIDE	2.766	84	570438	8.59	PPBV		94
32) 3-CHLOROPROPENE	2.807	76	299621	9.38	PPBV		90
33) FREON 113	2.865	151	1177933	9.14	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	3.106	96	670968	11.74	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.737	59	1087187	10.82	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	3.219	73	584143	10.39	PPBV		99
37) TETRAHYDROFURAN	3.946	72	121050	11.60	PPBV		92
38) HEXANE	3.701	57	403185	11.86	PPBV		89
39) VINYL ACETATE	3.258	86	65527	11.57	PPBV		79
40) 1,1-DICHLOROETHANE	3.187	63	335464	10.24	PPBV		98
41) METHYL ETHYL KETONE	3.360	72	116090	9.66	PPBV		92
42) CIS-1,2-DICHLOROETHENE	3.569	96	264602	9.50	PPBV		97
43) DIISOPROPYL ETHER	3.704	59	121806	11.46	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58393.D
Acq On : 21 Mar 2022 9:25 am
Operator : thomash
Sample : bs
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:41 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.711	61	88466	11.89	PPBV		99
45)	METHYL ACRYLATE	3.698	55	472419	12.13	PPBV	#	97
46)	CHLOROFORM	3.724	83	612176	10.69	PPBV	#	97
47)	2,4-DIMETHYLPENTANE	4.241	57	396349	10.67	PPBV		96
48)	1,1,1-TRICHLOROETHANE	4.322	97	531641	10.00	PPBV		99
49)	CARBON TETRACHLORIDE	4.766	117	552705	10.57	PPBV		99
50)	1,2-DICHLOROETHANE	4.151	62	325556	10.26	PPBV	#	98
51)	BENZENE	4.647	78	776333	10.12	PPBV		98
53)	CYCLOHEXANE	4.865	84	336740	9.77	PPBV		88
54)	2,3-DIMETHYLPENTANE	5.129	71	164926	10.25	PPBV		95
55)	TRICHLOROETHENE	5.579	95	370645	10.02	PPBV		98
56)	1,2-DICHLOROPROPANE	5.338	63	263791	10.69	PPBV	#	92
57)	DIBROMOMETHANE	5.296	174	331686	8.65	PPBV		92
58)	ETHYL ACRYLATE	5.454	55	518731	11.55	PPBV		98
59)	BROMODICHLOROMETHANE	5.521	83	614464	10.73	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.675	57	1117617	10.78	PPBV		99
61)	1,4-DIOXANE	5.582	88	198728	9.44	PPBV		91
62)	HEPTANE	6.000	43	340195	11.14	PPBV		92
63)	METHYL METHACRYLATE	5.894	69	301181	11.31	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.640	58	221772	11.30	PPBV		91
65)	CIS-1,3-DICHLOROPROPENE	6.544	75	435028	11.00	PPBV	#	90
66)	TOLUENE	7.781	91	1024884	10.48	PPBV		98
67)	1,3-DICHLOROPROPANE	7.836	76	490547	10.80	PPBV		100
68)	TRANS-1,3-DICHLOROPROPENE	7.238	75	385651	11.58	PPBV	#	92
69)	1,1,2-TRICHLOROETHANE	7.399	83	292266	10.03	PPBV		99
70)	2-HEXANONE	8.344	58	306961	11.41	PPBV		93
71)	ETHYL METHACRYLATE	8.486	69	518173	11.90	PPBV		97
72)	TETRACHLOROETHENE	9.540	164	399834	9.61	PPBV		97
73)	DIBROMOCHLOROMETHANE	8.328	129	658915	10.64	PPBV		98
74)	1,2-DIBROMOETHANE	8.675	107	600352	11.23	PPBV		100
75)	OCTANE	9.685	43	483150	11.36	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.778	131	476539	10.44	PPBV		97
78)	CHLOROBENZENE	10.765	112	901430	9.86	PPBV		97
79)	ETHYLBENZENE	11.656	91	1412604	10.31	PPBV		100
80)	M,P-XYLENE	12.087	91	2306879	21.68	PPBV		100
81)	O-XYLENE	13.029	91	1203058	11.04	PPBV		98
82)	STYRENE	12.810	104	911126	10.93	PPBV		99
83)	NONANE	14.138	43	558498	10.99	PPBV		95
84)	BROMOFORM	11.900	173	656490	10.49	PPBV	#	98
85)	1,1,2,2-TETRACHLOROETHANE	13.035	83	900954	11.00	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.321	75	625759	11.08	PPBV	#	100
88)	ISOPROPYLBENZENE	14.550	120	498977	10.74	PPBV		98
89)	BROMOBENZENE	14.428	77	776712	11.01	PPBV		94
90)	2-CHLOROTOLUENE	15.563	126	431082	10.45	PPBV		98
91)	N-PROPYLBENZENE	15.894	120	493567	10.44	PPBV		99
92)	4-ETHYLTOLUENE	16.218	105	1846343	11.33	PPBV		99
93)	1,3,5-TRIMETHYLBENZENE	16.363	105	1558091	11.60	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.553	118	841632	11.80	PPBV		99
95)	TERT-BUTYLBENZENE	16.807	134	425537	11.17	PPBV		97
96)	1,2,4-TRIMETHYLBENZENE	16.813	105	1791344	12.24	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58393.D
Acq On : 21 Mar 2022 9:25 am
Operator : thomash
Sample : bs
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:41 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

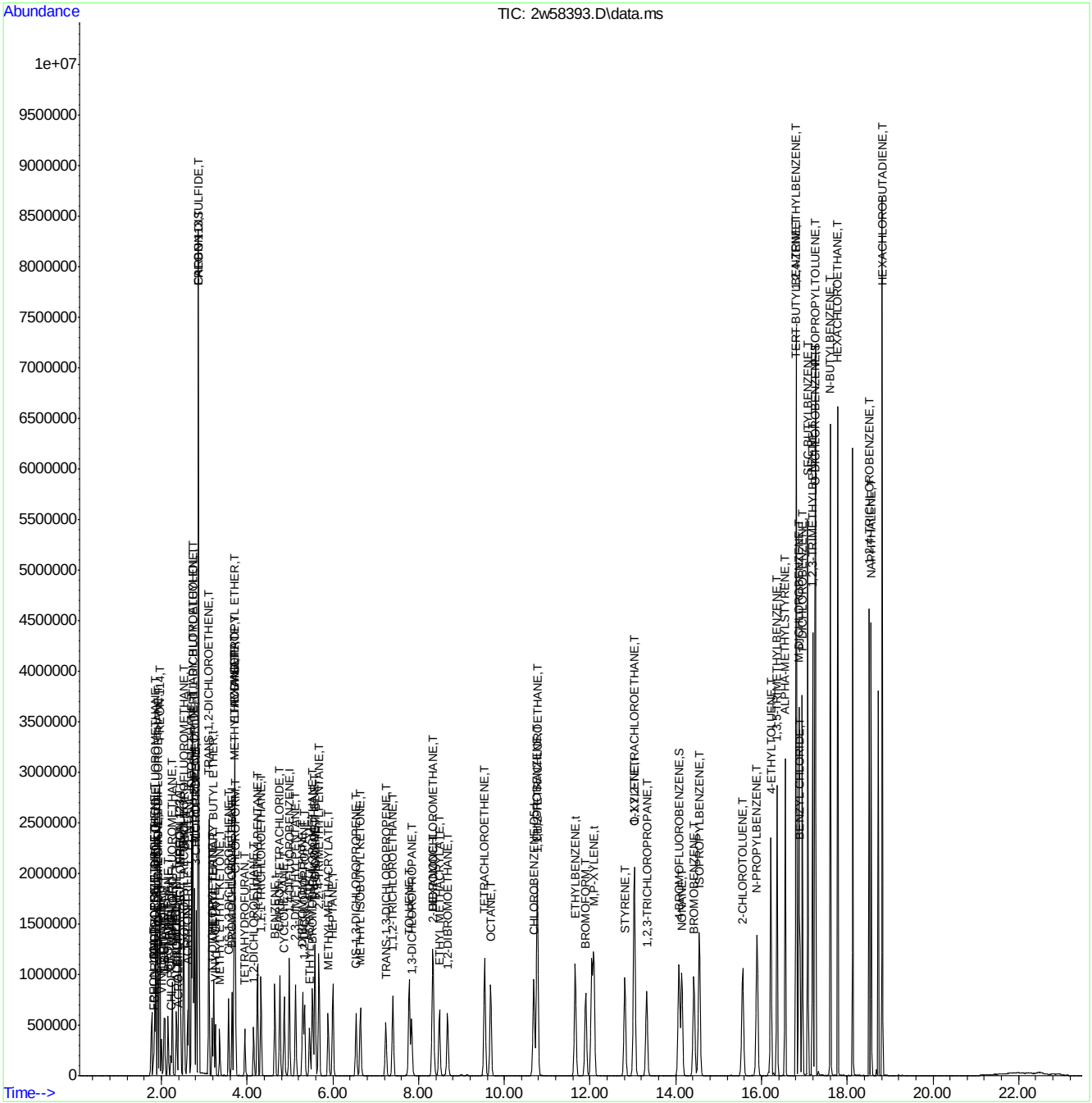
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	1001357	22.10	PPBV	98
98)	M-DICHLOROBENZENE	16.874	146	1146253	11.61	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	1163803	11.71	PPBV	100
100)	O-DICHLOROBENZENE	17.247	146	1174158	11.77	PPBV	100
101)	SEC-BUTYLBENZENE	17.083	134	557847	11.84	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1708218	12.34	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.260	134	654547	11.98	PPBV	96
104)	N-BUTYLBENZENE	17.601	134	573078	11.73	PPBV	97
105)	HEXACHLOROETHANE	17.781	117	755749	11.68	PPBV	95
106)	HEXACHLOROBUTADIENE	18.820	225	826332	10.52	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.514	180	831818	11.00	PPBV	99
108)	NAPHTHALENE	18.562	128	1945011	10.78	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58393.D
Acq On : 21 Mar 2022 9:25 am
Operator : thomash
Sample : bs
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:41 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58394.D
Acq On : 21 Mar 2022 10:02 am
Operator : thomash
Sample : bsd
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.647	128	207452	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	1075344	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	1033388	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	716449	11.02	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.814	65	59001	10.34	PPBV		92
4) CHLORODIFLUOROMETHANE	1.830	67	31093	10.48	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.846	116	209736	9.53	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.868	85	901129	9.80	PPBV	#	97
7) PROPYLENE	1.843	41	57232	10.16	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.917	65	698832	9.53	PPBV		96
9) FREON 114	1.962	85	933626	9.60	PPBV		97
10) CHLOROMETHANE	1.923	52	70395	9.23	PPBV		95
11) VINYL CHLORIDE	2.004	62	270090	9.82	PPBV		100
12) 1,3-BUTADIENE	2.055	54	182029	9.52	PPBV	#	87
13) N-BUTANE	2.077	43	303767	9.61	PPBV		98
14) BROMOMETHANE	2.155	94	282833	8.96	PPBV		98
15) CHLOROETHANE	2.219	64	128384	9.24	PPBV		96
16) DICHLOROFLUOROMETHANE	2.254	67	573943	9.68	PPBV	#	98
17) ACETONITRILE	2.344	41	144991	9.28	PPBV		96
18) ACROLEIN	2.396	56	100874	9.11	PPBV		99
19) FREON 123	2.415	83	669984	9.48	PPBV		98
20) FREON 123A	2.434	117	408400	9.11	PPBV		95
21) TRICHLOROFLUOROMETHANE	2.515	101	980482	8.89	PPBV		100
22) ISOPROPYL ALCOHOL	2.531	45	533896	8.93	PPBV		96
23) ACETONE	2.444	58	121077	8.89	PPBV		76
24) PENTANE	2.640	42	381923	8.48	PPBV		97
25) IODOMETHANE	2.698	142	1641464	8.28	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.727	96	611859	8.26	PPBV		94
27) CARBON DISULFIDE	2.862	76	1981231	9.12	PPBV	#	91
28) ETHANOL	2.258	45	72974	7.96	PPBV	#	99
29) BROMOETHENE	2.354	106	279139	8.85	PPBV	#	98
30) ACRYLONITRILE	2.608	52	274204	8.38	PPBV		97
31) METHYLENE CHLORIDE	2.762	84	570036	7.79	PPBV		95
32) 3-CHLOROPROPENE	2.807	76	304621	8.65	PPBV		93
33) FREON 113	2.862	151	1173091	8.26	PPBV		95
34) TRANS-1,2-DICHLOROETHENE	3.103	96	644586	10.23	PPBV		97
35) TERTIARY BUTYL ALCOHOL	2.737	59	984349	8.89	PPBV	#	77
36) METHYL TERTIARY BUTYL ...	3.216	73	625407	10.10	PPBV		100
37) TETRAHYDROFURAN	3.942	72	133046	11.57	PPBV		92
38) HEXANE	3.701	57	421359	11.25	PPBV		89
39) VINYL ACETATE	3.257	86	68369	10.96	PPBV		85
40) 1,1-DICHLOROETHANE	3.184	63	363729	10.08	PPBV		99
41) METHYL ETHYL KETONE	3.357	72	126680	9.56	PPBV		94
42) CIS-1,2-DICHLOROETHENE	3.566	96	290252	9.46	PPBV		98
43) DIISOPROPYL ETHER	3.704	59	126793	10.83	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58394.D
Acq On : 21 Mar 2022 10:02 am
Operator : thomash
Sample : bsd
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	ETHYL ACETATE	3.708	61	90546	11.04	PPBV		93
45)	METHYL ACRYLATE	3.695	55	495173	11.54	PPBV	#	97
46)	CHLOROFORM	3.724	83	649294	10.29	PPBV		98
47)	2,4-DIMETHYLPENTANE	4.238	57	440565	10.76	PPBV		97
48)	1,1,1-TRICHLOROETHANE	4.322	97	579135	9.89	PPBV		99
49)	CARBON TETRACHLORIDE	4.762	117	590935	10.26	PPBV		99
50)	1,2-DICHLOROETHANE	4.148	62	351474	10.05	PPBV		98
51)	BENZENE	4.647	78	834816	9.87	PPBV		97
53)	CYCLOHEXANE	4.865	84	366203	9.68	PPBV		88
54)	2,3-DIMETHYLPENTANE	5.129	71	182022	10.31	PPBV		95
55)	TRICHLOROETHENE	5.579	95	415527	10.23	PPBV		99
56)	1,2-DICHLOROPROPANE	5.338	63	284889	10.52	PPBV	#	93
57)	DIBROMOMETHANE	5.293	174	363872	8.65	PPBV		92
58)	ETHYL ACRYLATE	5.454	55	565015	11.47	PPBV		98
59)	BROMODICHLOROMETHANE	5.524	83	670044	10.66	PPBV		100
60)	2,2,4-TRIMETHYLPENTANE	5.672	57	1236197	10.87	PPBV		99
61)	1,4-DIOXANE	5.582	88	211345	9.15	PPBV		92
62)	HEPTANE	6.000	43	380937	11.36	PPBV		94
63)	METHYL METHACRYLATE	5.891	69	329611	11.28	PPBV		98
64)	METHYL ISOBUTYL KETONE	6.643	58	242856	11.28	PPBV		92
65)	CIS-1,3-DICHLOROPROPENE	6.544	75	474695	10.94	PPBV	#	91
66)	TOLUENE	7.781	91	1129319	10.52	PPBV		98
67)	1,3-DICHLOROPROPANE	7.839	76	535020	10.74	PPBV		99
68)	TRANS-1,3-DICHLOROPROPENE	7.238	75	417535	11.42	PPBV	#	93
69)	1,1,2-TRICHLOROETHANE	7.399	83	316039	9.89	PPBV		97
70)	2-HEXANONE	8.344	58	328591	11.13	PPBV		94
71)	ETHYL METHACRYLATE	8.482	69	556885	11.65	PPBV		97
72)	TETRACHLOROETHENE	9.543	164	437159	9.57	PPBV		97
73)	DIBROMOCHLOROMETHANE	8.328	129	723134	10.64	PPBV		100
74)	1,2-DIBROMOETHANE	8.678	107	649196	11.07	PPBV		100
75)	OCTANE	9.682	43	523259	11.21	PPBV		95
77)	1,1,1,2-TETRACHLOROETHANE	10.778	131	516000	10.39	PPBV		99
78)	CHLOROBENZENE	10.768	112	971201	9.76	PPBV		96
79)	ETHYLBENZENE	11.659	91	1526250	10.24	PPBV		100
80)	M,P-XYLENE	12.090	91	2469697	21.33	PPBV		99
81)	O-XYLENE	13.029	91	1269431	10.71	PPBV		97
82)	STYRENE	12.813	104	977291	10.77	PPBV		99
83)	NONANE	14.145	43	585770	10.59	PPBV		96
84)	BROMOFORM	11.900	173	713315	10.47	PPBV	#	98
85)	1,1,2,2-TETRACHLOROETHANE	13.038	83	950542	10.67	PPBV		99
86)	1,2,3-TRICHLOROPROPANE	13.325	75	658765	10.72	PPBV	#	100
88)	ISOPROPYLBENZENE	14.550	120	530097	10.49	PPBV		99
89)	BROMOBENZENE	14.427	77	825864	10.76	PPBV		94
90)	2-CHLOROTOLUENE	15.562	126	459714	10.24	PPBV		99
91)	N-PROPYLBENZENE	15.900	120	535688	10.42	PPBV		99
92)	4-ETHYLTOLUENE	16.218	105	1941549	10.95	PPBV		98
93)	1,3,5-TRIMETHYLBENZENE	16.366	105	1657943	11.34	PPBV		99
94)	ALPHA-METHYLSTYRENE	16.556	118	912450	11.76	PPBV		99
95)	TERT-BUTYLBENZENE	16.810	134	451097	10.88	PPBV		98
96)	1,2,4-TRIMETHYLBENZENE	16.813	105	1884324	11.84	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58394.D
Acq On : 21 Mar 2022 10:02 am
Operator : thomash
Sample : bsd
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

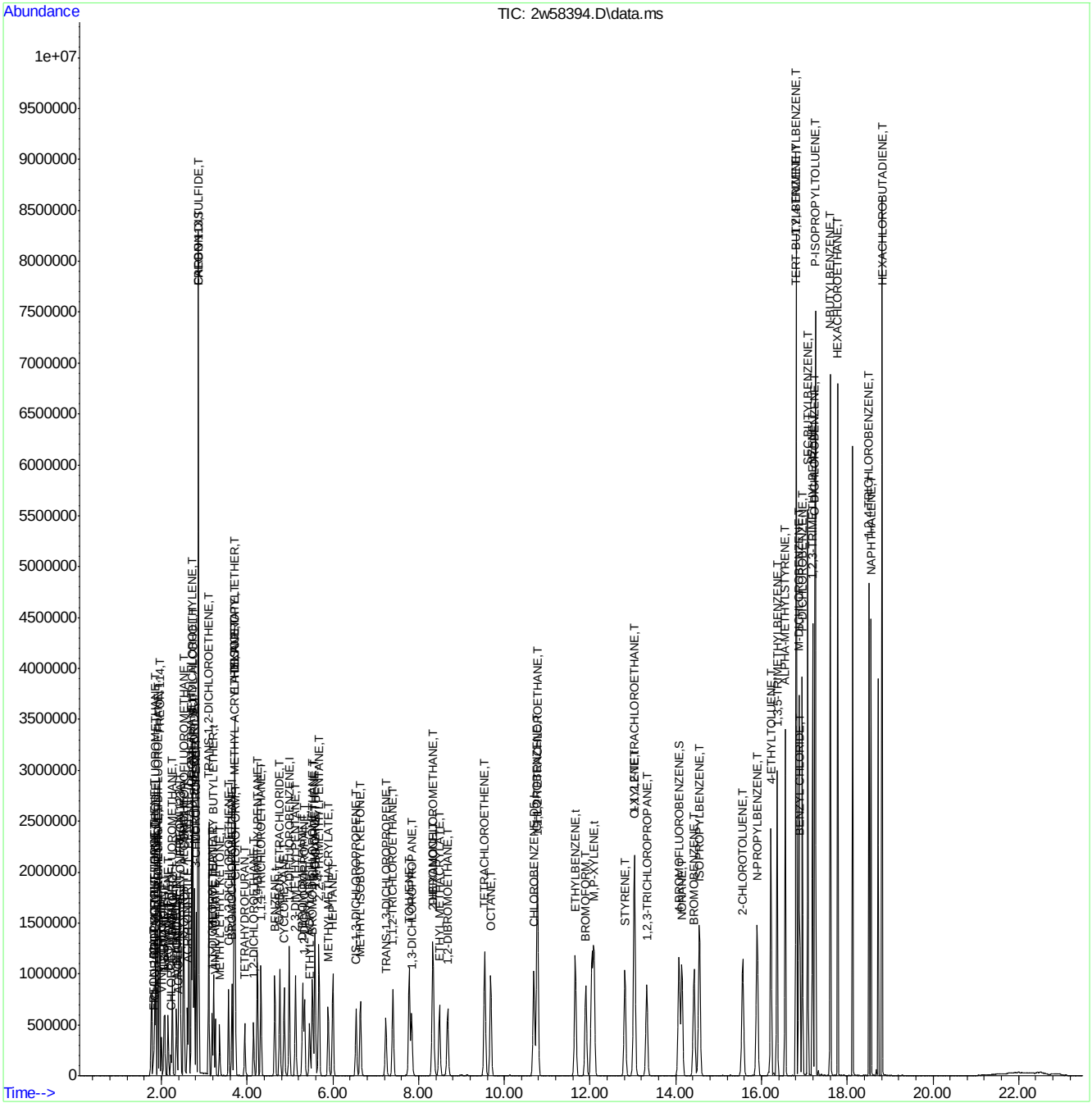
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.897	91	1027672	20.85	PPBV	99
98) M-DICHLOROBENZENE	16.874	146	1198109	11.15	PPBV	99
99) P-DICHLOROBENZENE	16.955	146	1211444	11.21	PPBV	99
100) O-DICHLOROBENZENE	17.244	146	1215534	11.20	PPBV	100
101) SEC-BUTYLBENZENE	17.083	134	582389	11.36	PPBV	94
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	1781806	11.83	PPBV	99
103) P-ISOPROPYLTOLUENE	17.257	134	672849	11.32	PPBV	96
104) N-BUTYLBENZENE	17.601	134	594215	11.18	PPBV	95
105) HEXACHLOROETHANE	17.778	117	786035	11.17	PPBV	96
106) HEXACHLOROBUTADIENE	18.816	225	857178	10.03	PPBV	99
107) 1,2,4-TRICHLOROBENZENE	18.508	180	862264	10.48	PPBV	99
108) NAPHTHALENE	18.556	128	1967181	10.02	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58394.D
Acq On : 21 Mar 2022 10:02 am
Operator : thomash
Sample : bsd
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:58 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 13:27

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49467.D
Acq On : 23 Apr 2022 8:17 pm
Operator : thomash
Sample : jd41994-2dup
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 26 13:02:17 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

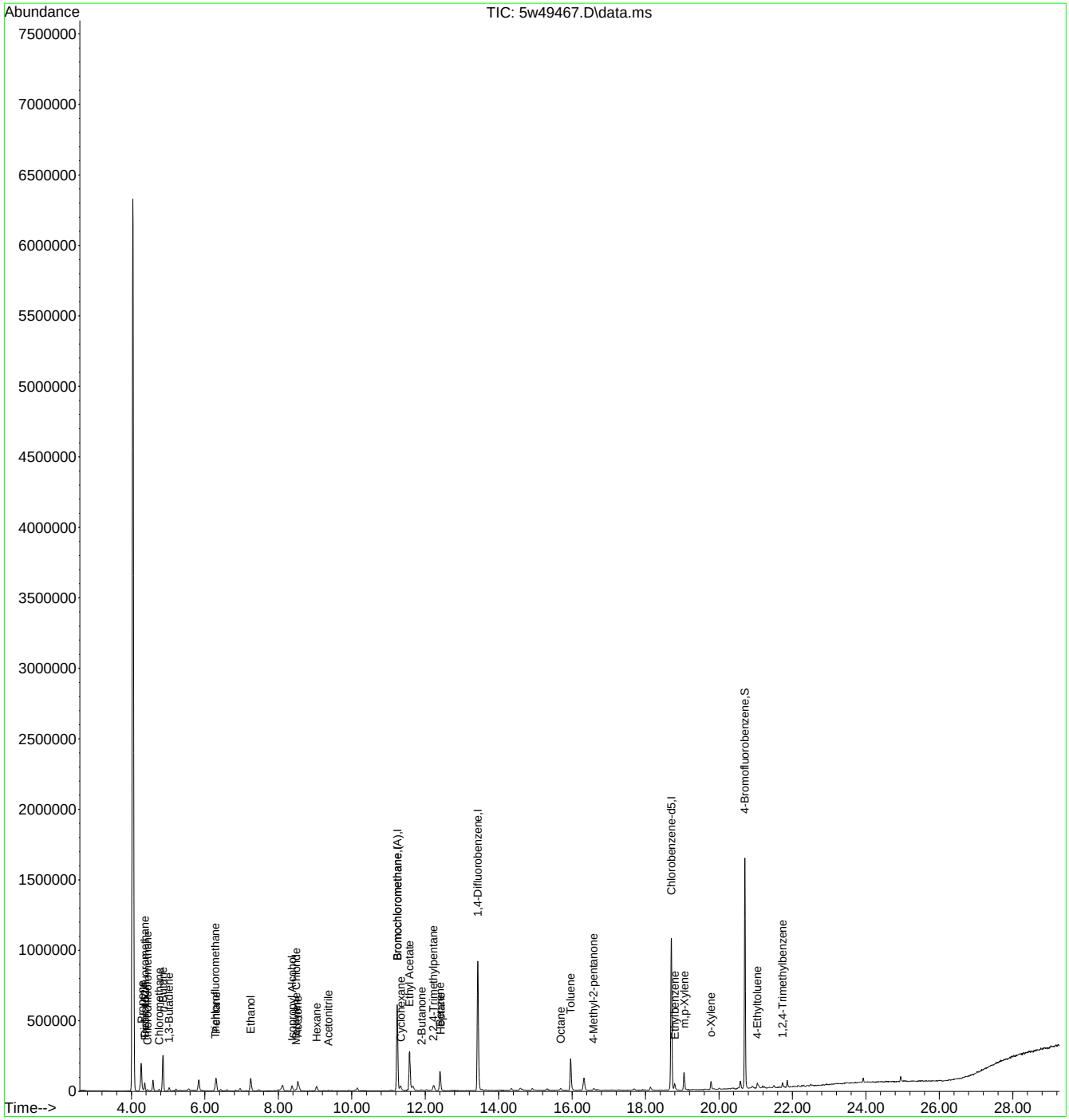
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.243	130	253459	10.00	ppb(v	-0.10
53) 1,4-Difluorobenzene	13.433	114	880074	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.701	82	422989	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.243	130	253459	10.00	ppb(v	-0.10
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.701	95	485788	9.09	ppb(v	-0.08
Spiked Amount 10.000	Range 65 - 128		Recovery = 90.90%			
Target Compounds						Qvalue
2) Freon 152A	4.373	65	4211	0.25	ppb(v#	81
3) Chlorodifluoromethane	4.434	67	2801	0.31	ppb(v#	66
4) Propene	4.275	41	68195	3.25	ppb(v	95
6) Dichlorodifluoromethane	4.361	85	52064	0.52	ppb(v#	96
8) Chloromethane	4.752	50	15832	0.59	ppb(v	84
11) 1,3-Butadiene	5.028	54	3991m	0.21	ppb(v	
12) n-Butane	4.856	58	22623	5.77	ppb(v	94
16) Acetonitrile	9.359	41	3751	0.17	ppb(v#	93
21) Trichlorofluoromethane	6.288	101	24910	0.30	ppb(v	99
22) Acetone	8.527	58	28070	2.54	ppb(v	99
23) Pentane	6.306	57	9817	1.37	ppb(v	78
25) Isopropyl Alcohol	8.374	43	15557	1.65	ppb(v	64
28) Methylene Chloride	8.484	84	5722	0.22	ppb(v	96
30) Ethanol	7.248	45	131323	12.65	ppb(v	97
38) 2-Butanone	11.898	72	3789m	0.33	ppb(v	
39) Hexane	9.047	56	11044	0.45	ppb(v	82
42) Ethyl Acetate	11.574	61	56846	6.95	ppb(v	89
49) Benzene	12.406	78	137313	1.53	ppb(v	96
51) Cyclohexane	11.341	56	9804	0.22	ppb(v#	89
54) 2,2,4-Trimethylpentane	12.222	57	47966	0.38	ppb(v	98
55) Heptane	12.424	71	6139	0.24	ppb(v	80
64) 4-Methyl-2-pentanone	16.584	58	5734	0.24	ppb(v	78
66) Toluene	15.960	91	204380	2.04	ppb(v	100
74) Octane	15.691	43	9714	0.16	ppb(v#	77
78) Ethylbenzene	18.799	91	43074	0.34	ppb(v	92
79) m,p-Xylene	19.056	91	97823	1.04	ppb(v	96
82) o-Xylene	19.784	91	36111	0.36	ppb(v#	91
91) 4-Ethyltoluene	21.044	105	32477	0.27	ppb(v#	87
95) 1,2,4-Trimethylbenzene	21.729	105	19642	0.20	ppb(v#	89

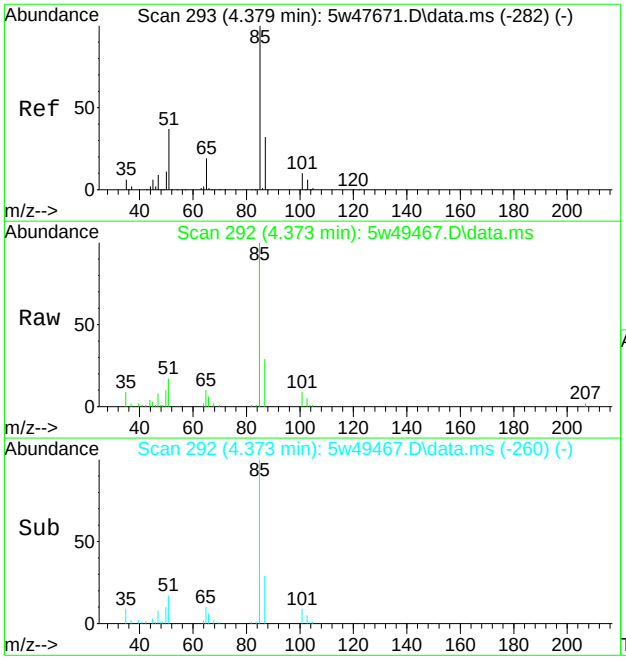
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49467.D
Acq On : 23 Apr 2022 8:17 pm
Operator : thomash
Sample : jd41994-2dup
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 26 13:02:17 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

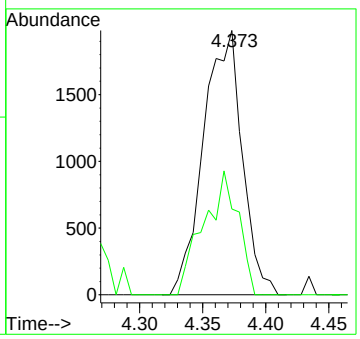


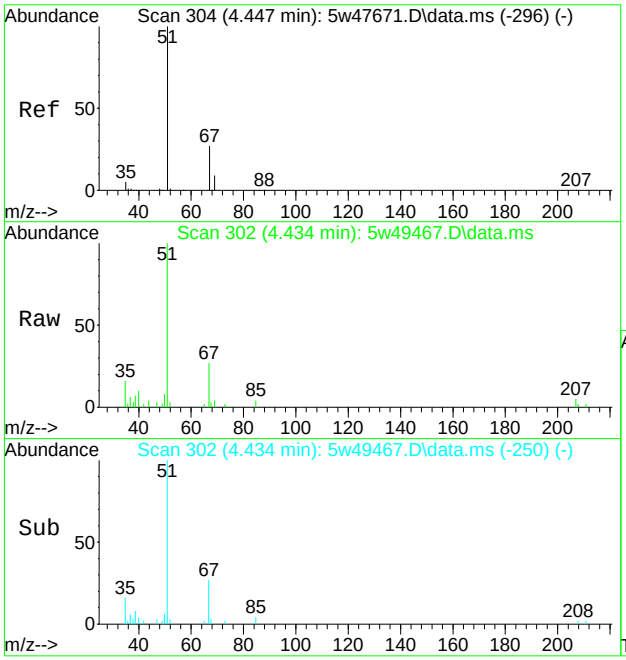


#2
Freon 152A
Concen: 0.25 ppb(v)
RT: 4.373 min Scan# 292
Delta R.T. -0.006 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 65 Resp: 4211

Ion	Ratio	Lower	Upper
65	100		
45	20.9	22.0	41.0#

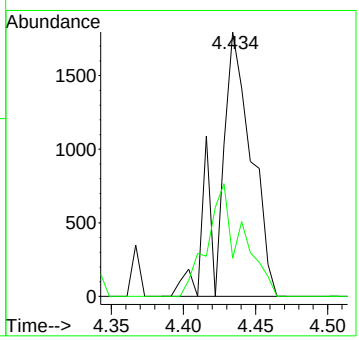


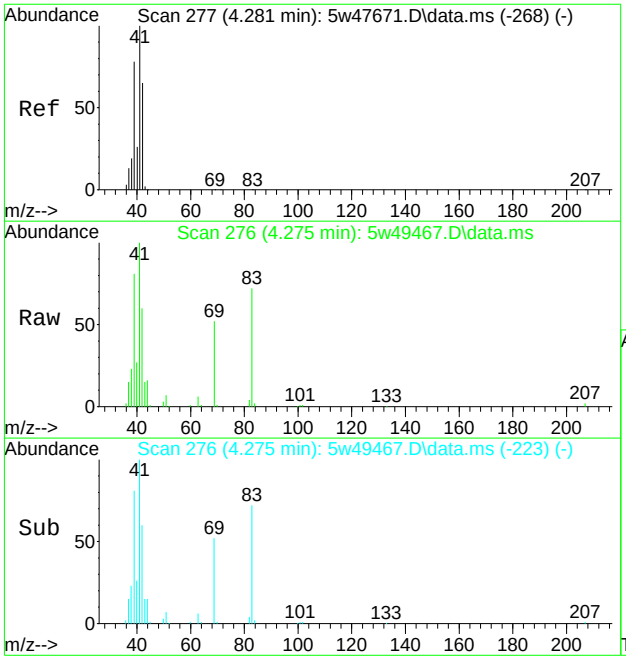


#3
Chlorodifluoromethane
Concen: 0.31 ppb(v)
RT: 4.434 min Scan# 302
Delta R.T. -0.012 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 67 Resp: 2801

Ion	Ratio	Lower	Upper
67	100		
69	14.5	23.5	43.7#

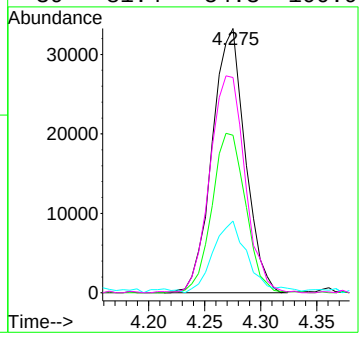


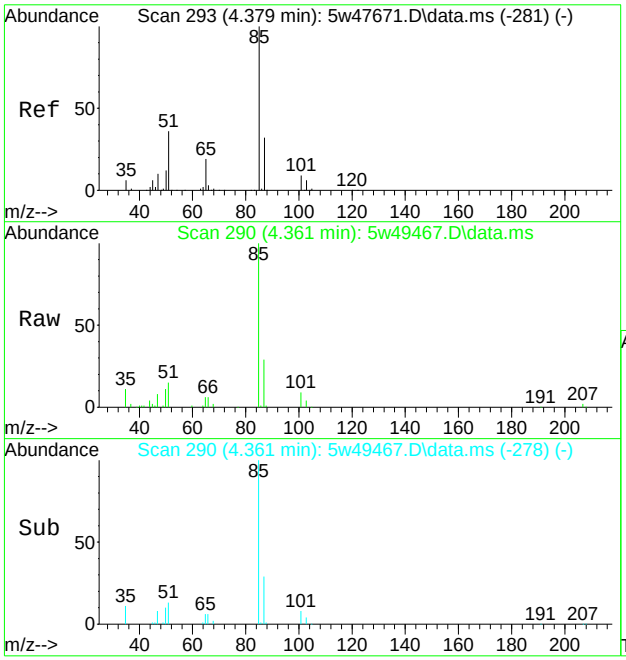


#4
Propene
Concen: 3.25 ppb(v)
RT: 4.275 min Scan# 276
Delta R.T. -0.006 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 41 Resp: 68195

Ion	Ratio	Lower	Upper
41	100		
42	59.6	45.6	84.8
40	27.1	18.4	34.2
39	81.4	54.3	100.9

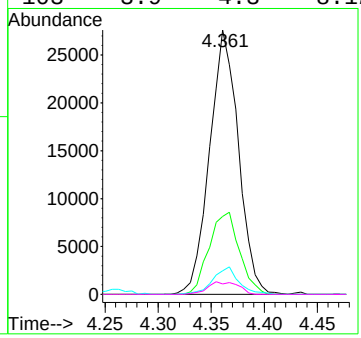


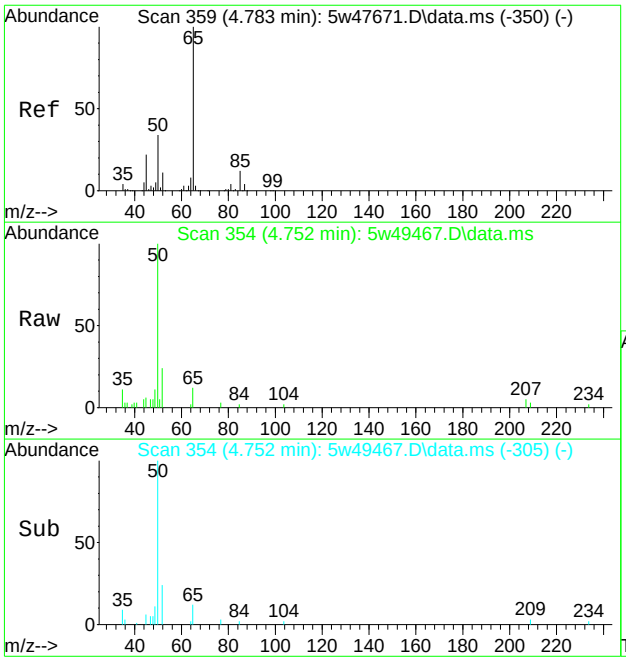


#6
Dichlorodifluoromethane
Concen: 0.52 ppb(v)
RT: 4.361 min Scan# 290
Delta R.T. -0.019 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 85 Resp: 52064

Ion	Ratio	Lower	Upper
85	100		
87	29.7	22.7	42.1
101	8.8	6.5	12.1
103	3.9	4.3	8.1#

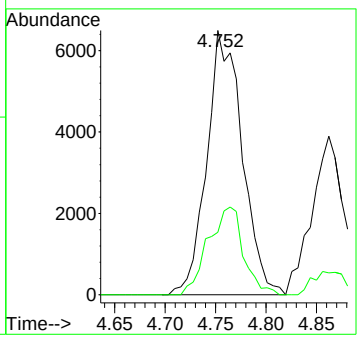


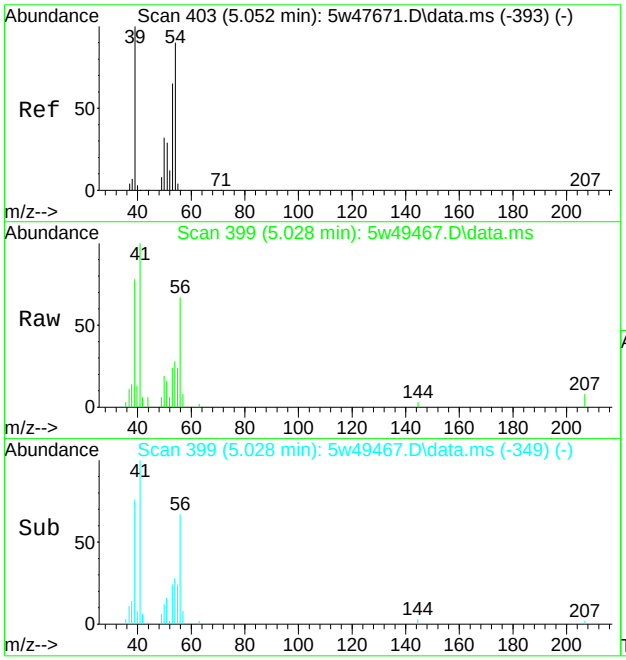


#8
Chloromethane
Concen: 0.59 ppb(v)
RT: 4.752 min Scan# 354
Delta R.T. -0.031 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 50 Resp: 15832

Ion	Ratio	Lower	Upper
50	100		
52	22.6	22.0	40.8

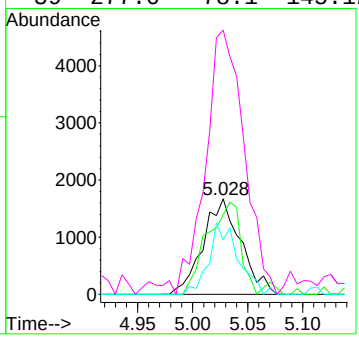


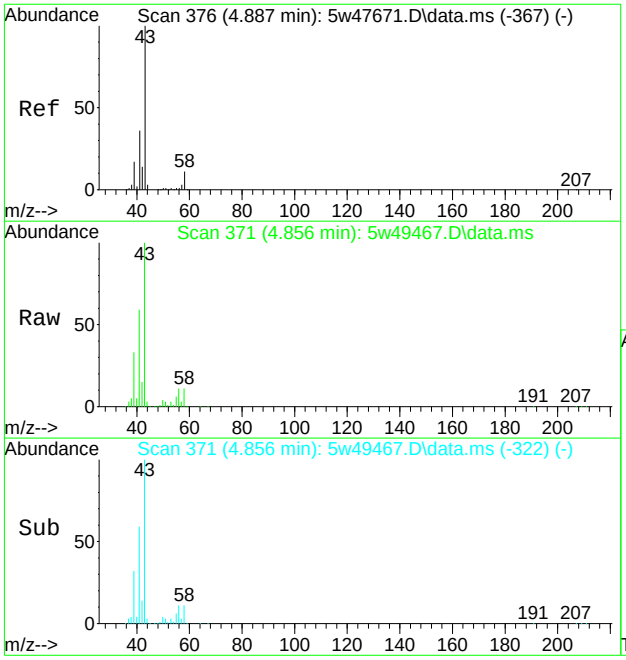


#11
1,3-Butadiene
Concen: 0.21 ppb(v) m
RT: 5.028 min Scan# 399
Delta R.T. -0.025 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 54 Resp: 3991

Ion	Ratio	Lower	Upper
54	100		
53	83.5	50.6	94.0
51	57.2	22.3	41.5#
39	277.0	78.1	145.1#

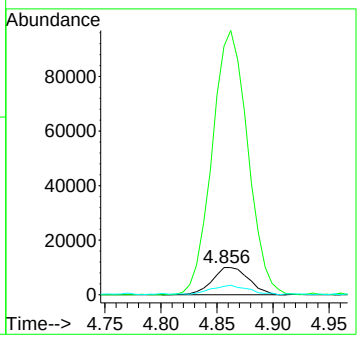


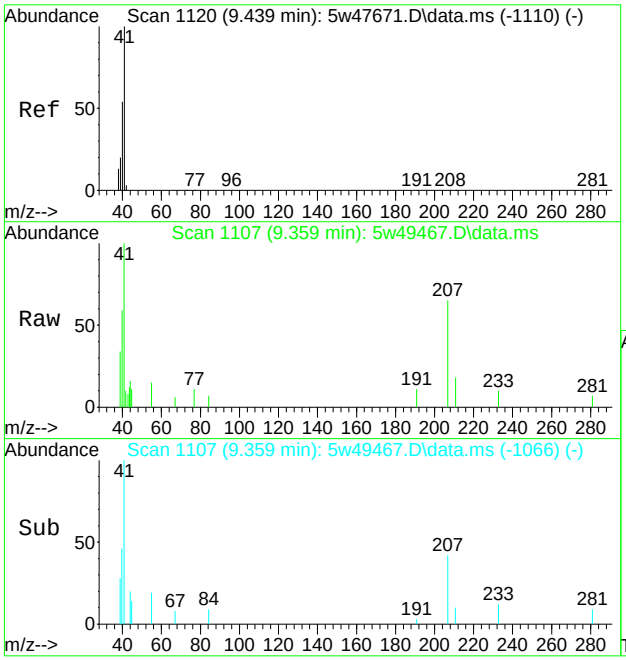


#12
n-Butane
Concen: 5.77 ppb(v)
RT: 4.856 min Scan# 371
Delta R.T. -0.031 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 58 Resp: 22623

Ion	Ratio	Lower	Upper
58	100		
43	908.1	653.7	1213.9
44	31.9	23.2	43.0

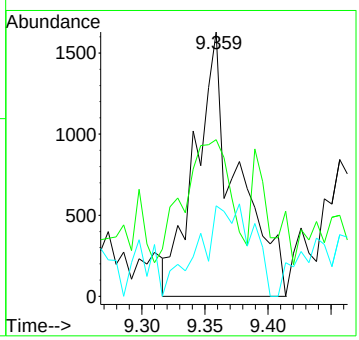


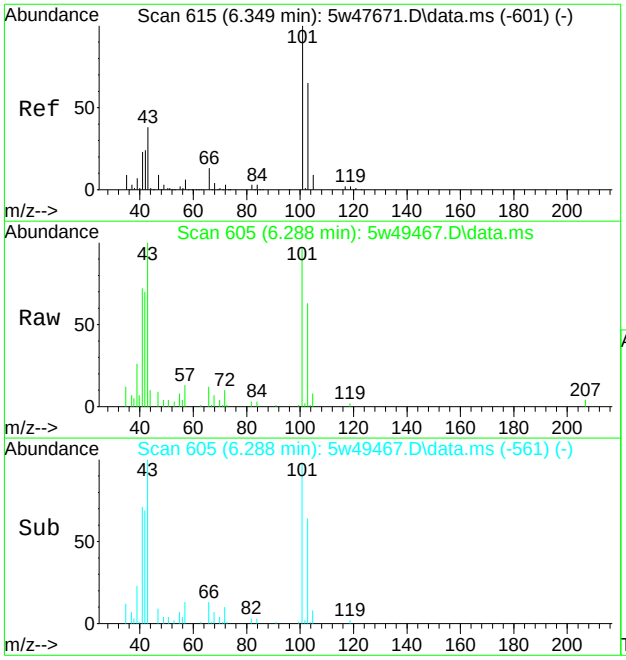


#16
Acetonitrile
Concen: 0.17 ppb(v)
RT: 9.359 min Scan# 1107
Delta R.T. -0.080 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 41 Resp: 3751

Ion	Ratio	Lower	Upper
41	100		
40	53.9	38.1	70.9
39	31.2	14.1	26.3#

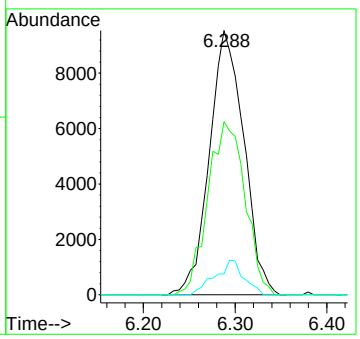


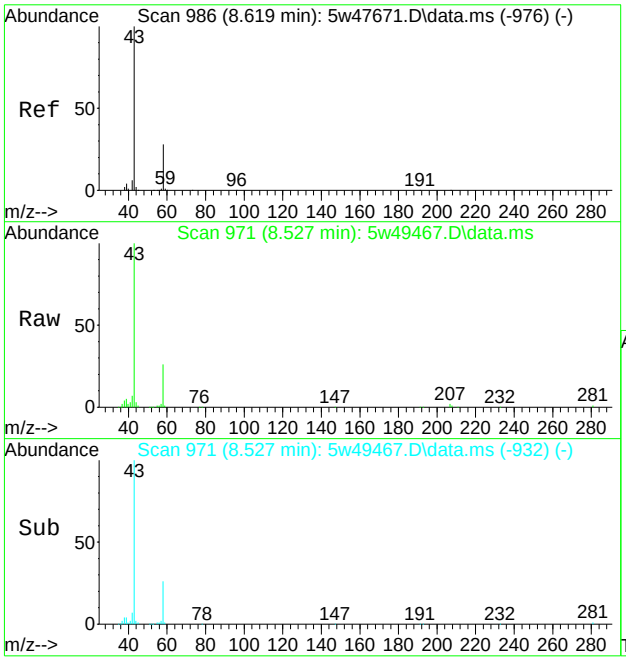


#21
Trichlorofluoromethane
Concen: 0.30 ppb(v)
RT: 6.288 min Scan# 605
Delta R.T. -0.061 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion:101 Resp: 24910

Ion	Ratio	Lower	Upper
101	100		
103	65.5	45.6	84.8
105	7.8	7.4	13.8

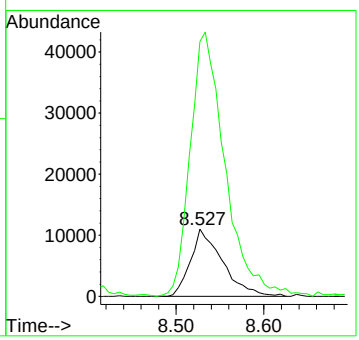


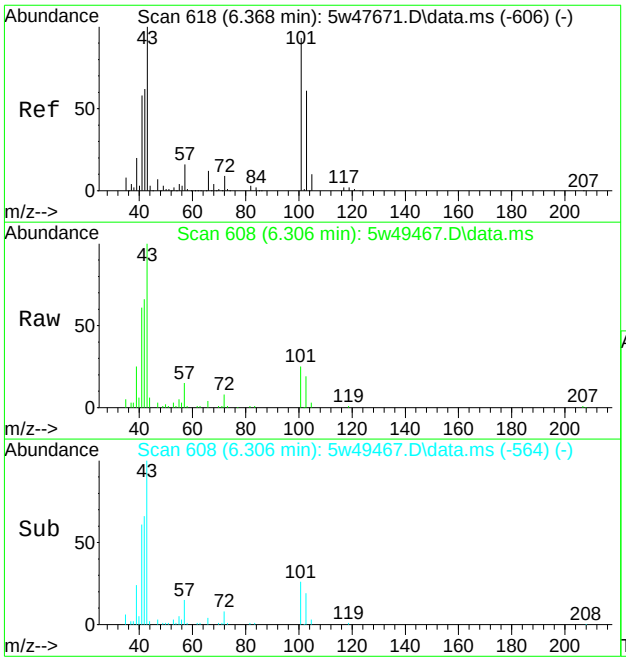


#22
Acetone
Concen: 2.54 ppb(v)
RT: 8.527 min Scan# 971
Delta R.T. -0.092 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 58 Resp: 28070

Ion	Ratio	Lower	Upper
58	100		
43	363.6	253.0	469.8

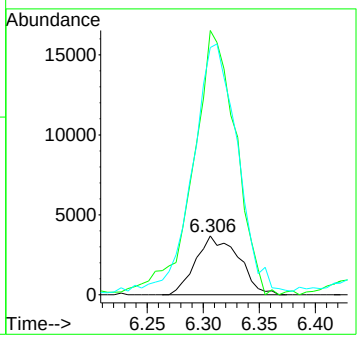


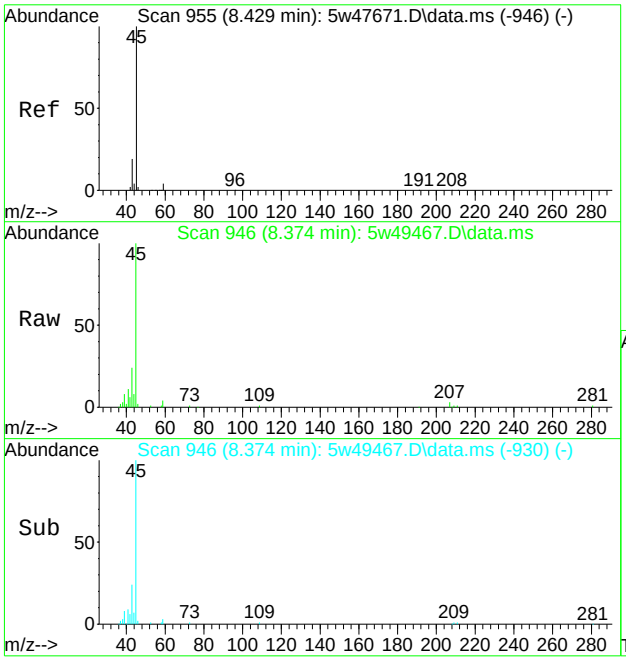


#23
Pentane
Concen: 1.37 ppb(v)
RT: 6.306 min Scan# 608
Delta R.T. -0.061 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 57 Resp: 9817

Ion	Ratio	Lower	Upper
57	100		
42	448.0	277.7	515.7
41	419.0	257.1	477.5

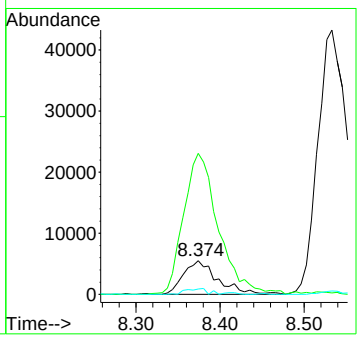


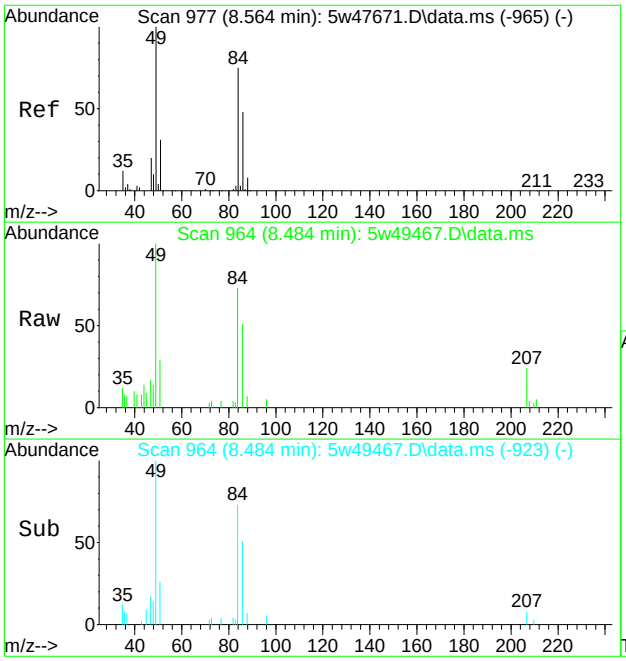


#25
Isopropyl Alcohol
Concen: 1.65 ppb(v)
RT: 8.374 min Scan# 946
Delta R.T. -0.055 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 43 Resp: 15557

Ion	Ratio	Lower	Upper
43	100		
45	419.9	367.4	682.2
59	15.9	13.7	25.5

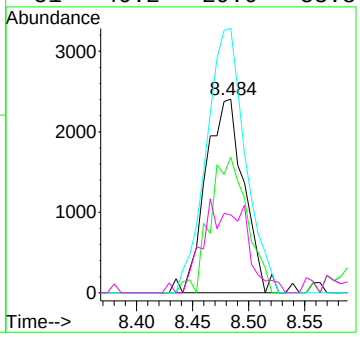


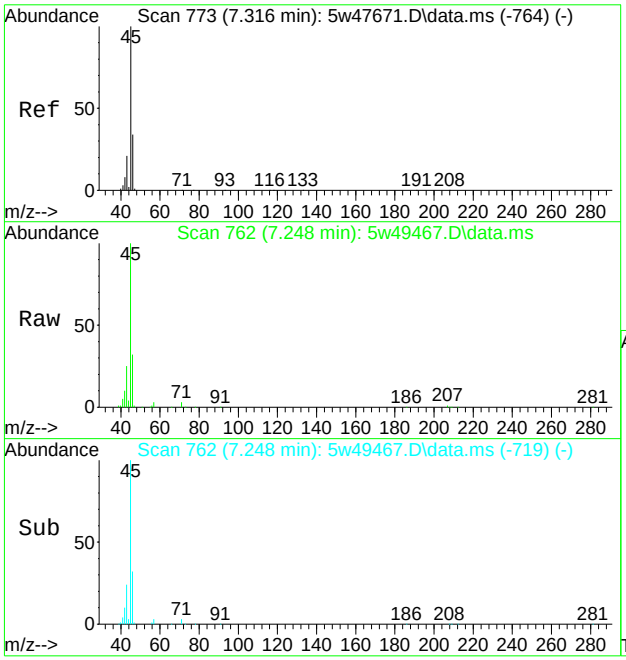


#28
Methylene Chloride
Concen: 0.22 ppb(v)
RT: 8.484 min Scan# 964
Delta R.T. -0.080 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 84 Resp: 5722

Ion	Ratio	Lower	Upper
84	100		
86	70.0	44.8	83.2
49	136.5	93.5	173.7
51	40.2	29.0	53.8

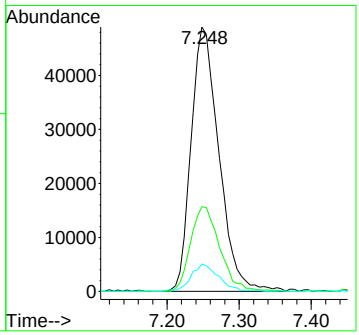


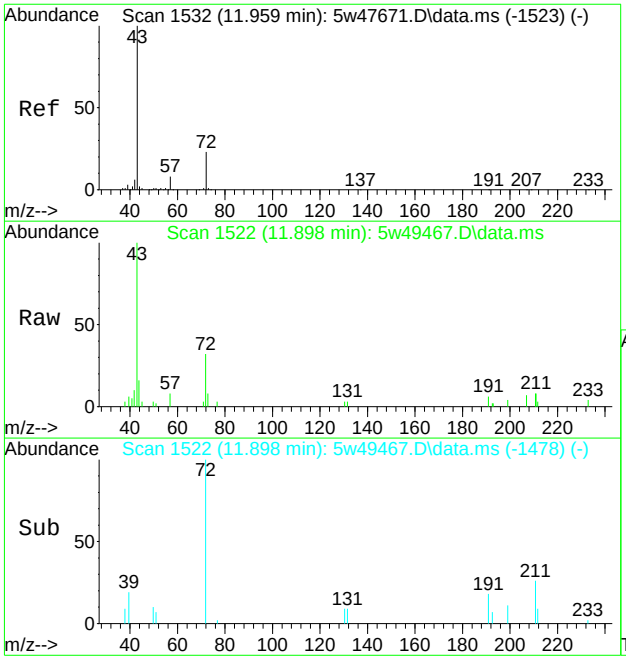


#30
Ethanol
Concen: 12.65 ppb(v)
RT: 7.248 min Scan# 762
Delta R.T. -0.067 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 45 Resp: 131323

Ion	Ratio	Lower	Upper
45	100		
46	32.8	23.9	44.5
42	10.4	5.9	11.1

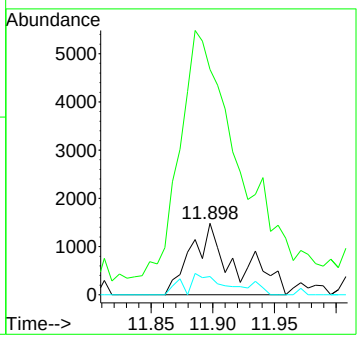


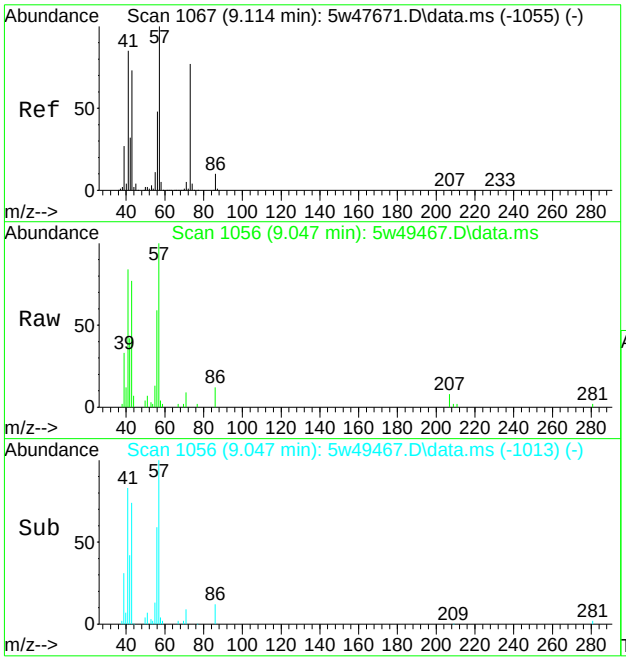


#38
2-Butanone
Concen: 0.33 ppb(v) m
RT: 11.898 min Scan# 1522
Delta R.T. -0.061 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 72 Resp: 3789

Ion	Ratio	Lower	Upper
72	100		
43	315.0	305.1	566.7
57	25.6	23.1	42.9

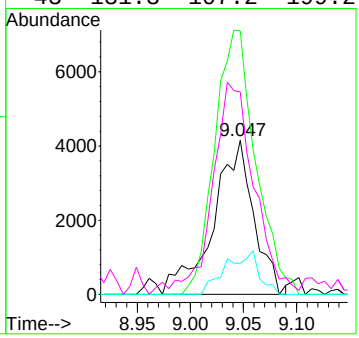


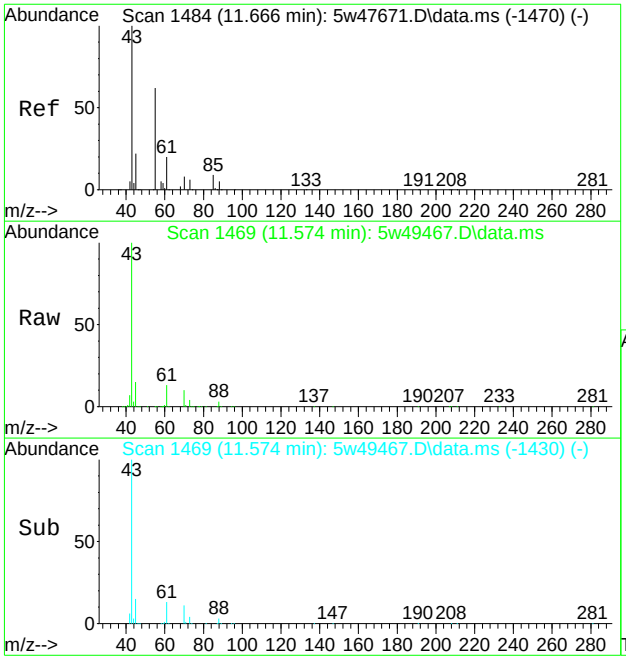


#39
Hexane
Concen: 0.45 ppb(v)
RT: 9.047 min Scan# 1056
Delta R.T. -0.067 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 56 Resp: 11044

Ion	Ratio	Lower	Upper
56	100		
57	178.1	147.0	273.0
86	20.2	15.3	28.3
43	131.3	107.2	199.2

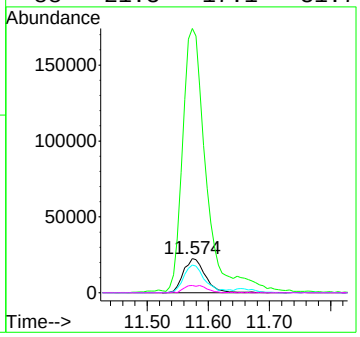


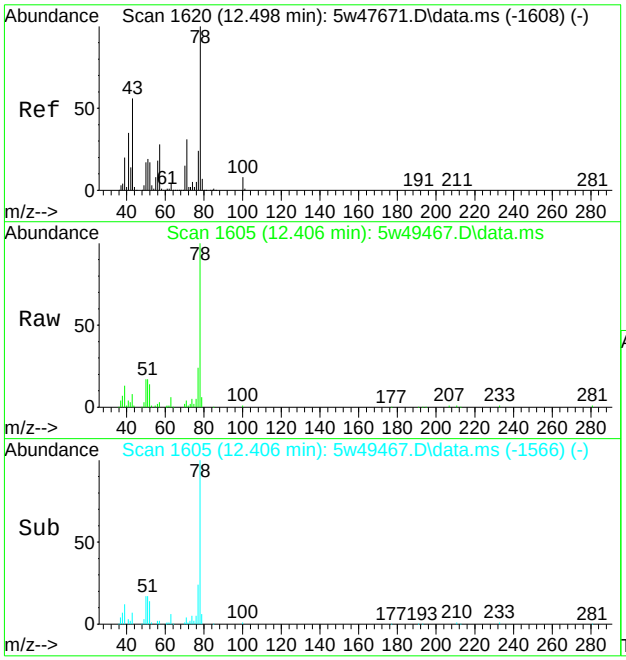


#42
Ethyl Acetate
Concen: 6.95 ppb(v)
RT: 11.574 min Scan# 1469
Delta R.T. -0.092 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 61 Resp: 56846

Ion	Ratio	Lower	Upper
61	100		
43	772.2	509.8	946.8
70	81.0	55.2	102.6
88	21.3	17.1	31.7

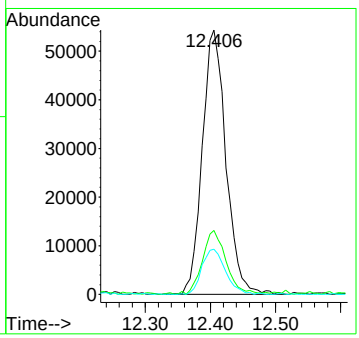


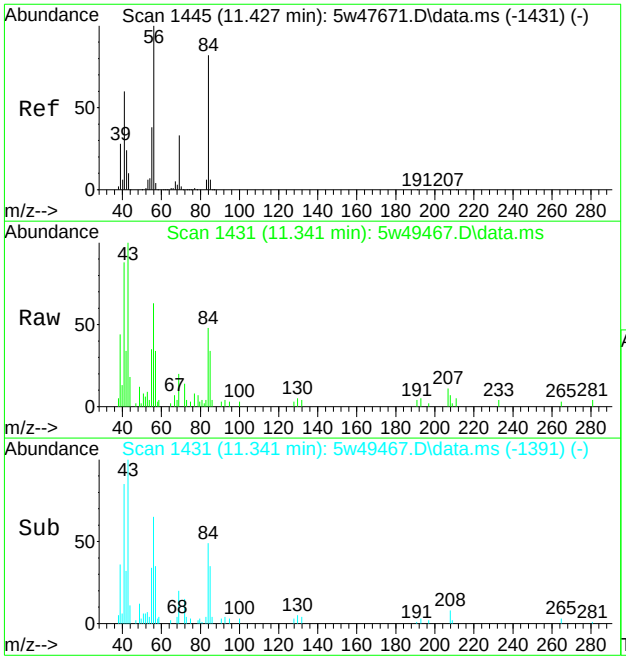


#49
Benzene
Concen: 1.53 ppb(v)
RT: 12.406 min Scan# 1605
Delta R.T. -0.092 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 78 Resp: 137313

Ion	Ratio	Lower	Upper
78	100		
77	22.8	16.9	31.5
51	16.1	13.2	24.4

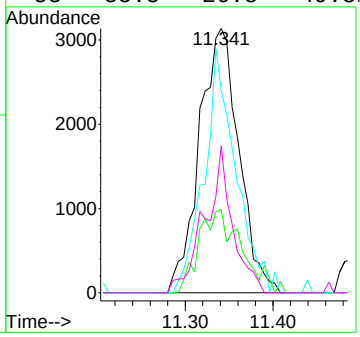


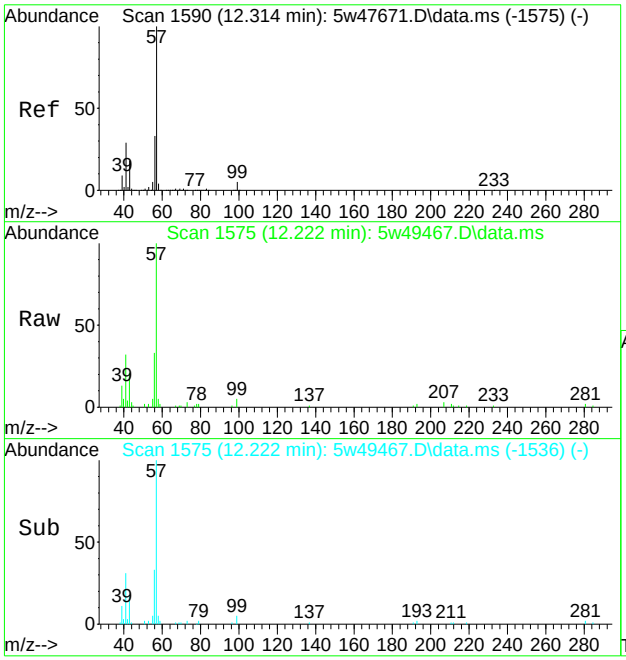


#51
Cyclohexane
Concen: 0.22 ppb(v)
RT: 11.341 min Scan# 1431
Delta R.T. -0.086 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 56 Resp: 9804

Ion	Ratio	Lower	Upper
56	100		
69	31.6	22.7	42.3
84	76.6	57.4	106.6
55	55.5	26.8	49.8#

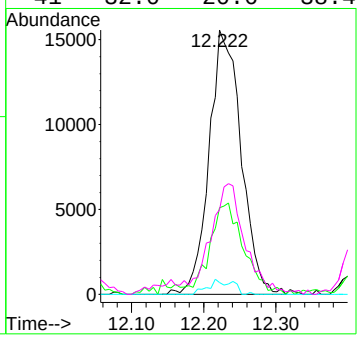


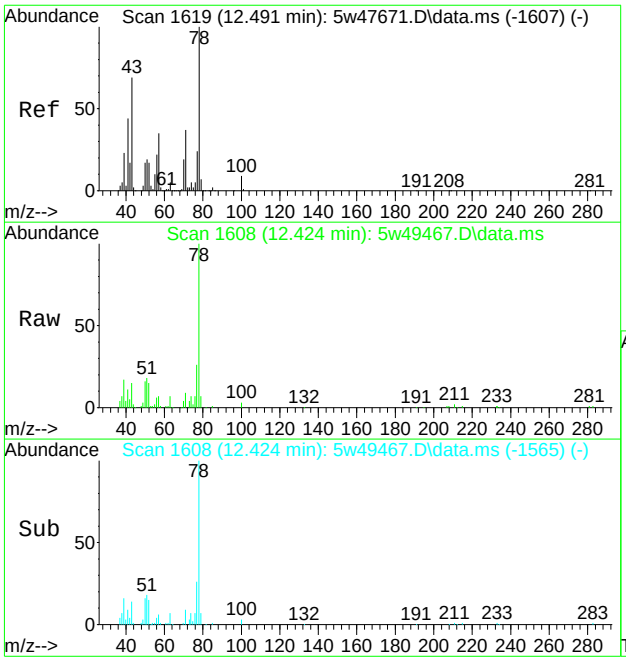


#54
2,2,4-Trimethylpentane
Concen: 0.38 ppb(v)
RT: 12.222 min Scan# 1575
Delta R.T. -0.092 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 57 Resp: 47966

Ion	Ratio	Lower	Upper
57	100		
56	32.7	23.2	43.0
99	4.5	3.2	6.0
41	32.0	20.6	38.4

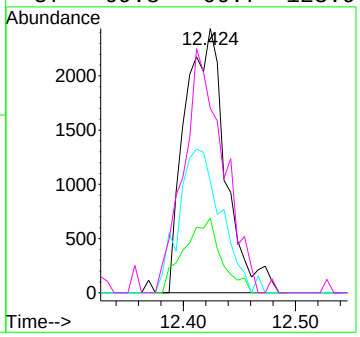


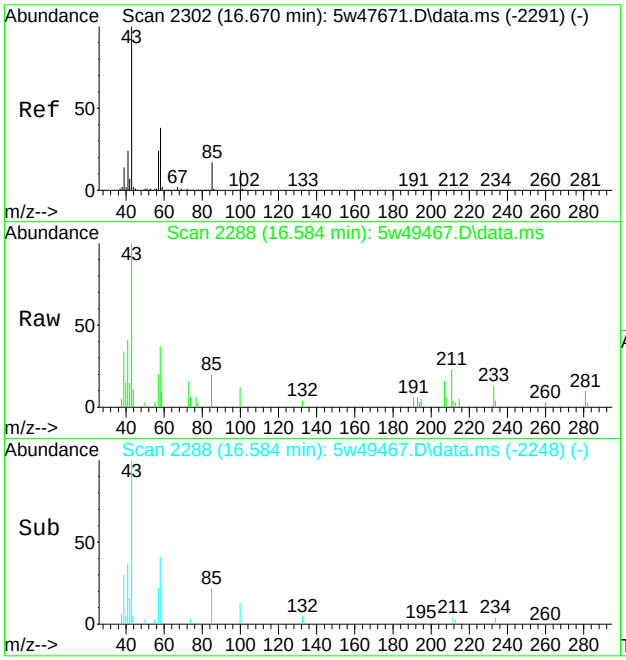


#55
Heptane
Concen: 0.24 ppb(v)
RT: 12.424 min Scan# 1608
Delta R.T. -0.067 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 71 Resp: 6139

Ion	Ratio	Lower	Upper
71	100		
100	28.3	16.7	31.1
70	42.2	35.4	65.8
57	69.8	66.7	123.9

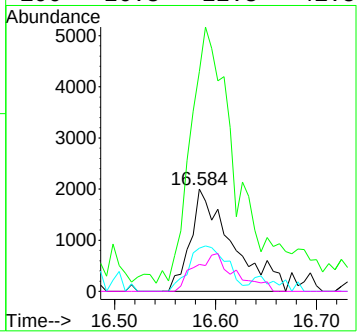


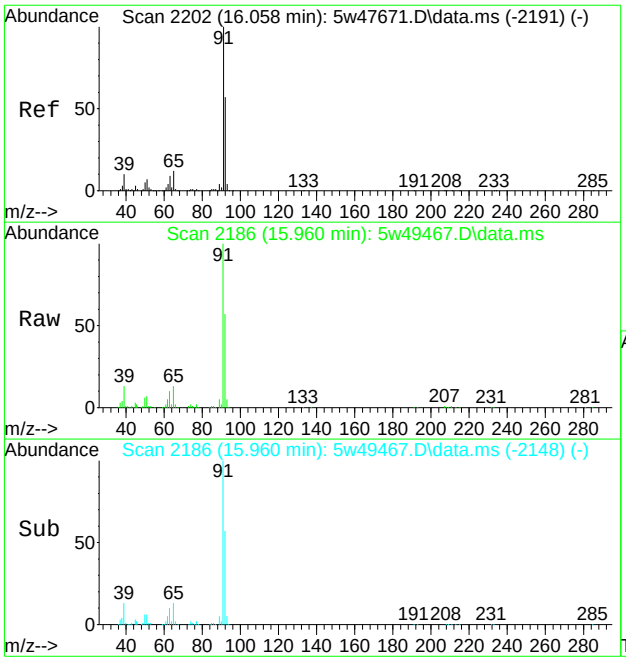


#64
4-Methyl-2-pentanone
Concen: 0.24 ppb(v)
RT: 16.584 min Scan# 2288
Delta R.T. -0.086 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 58 Resp: 5734

Ion	Ratio	Lower	Upper
58	100		
43	214.6	183.3	340.3
85	42.3	31.4	58.2
100	26.3	22.3	41.5

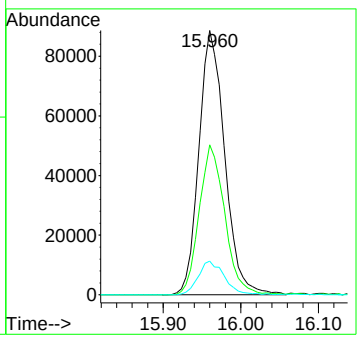


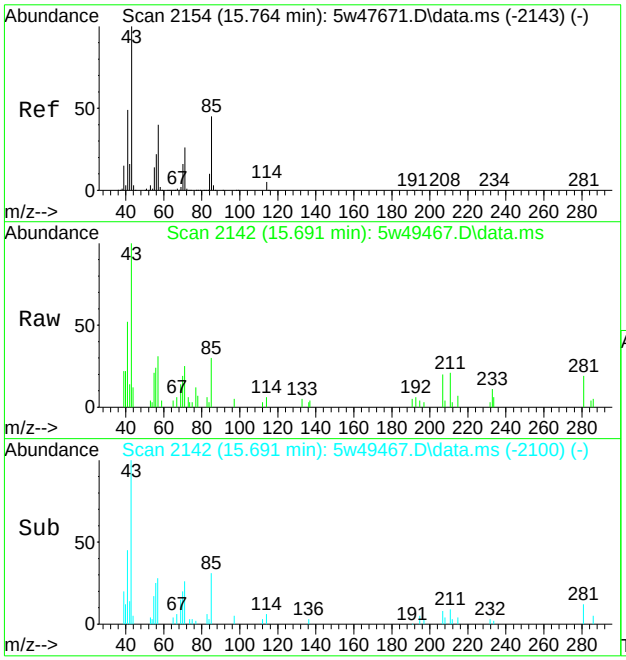


#66
Toluene
Concen: 2.04 ppb(v)
RT: 15.960 min Scan# 2186
Delta R.T. -0.098 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 91 Resp: 204380

Ion	Ratio	Lower	Upper
91	100		
92	56.7	39.8	74.0
65	12.8	8.6	16.0

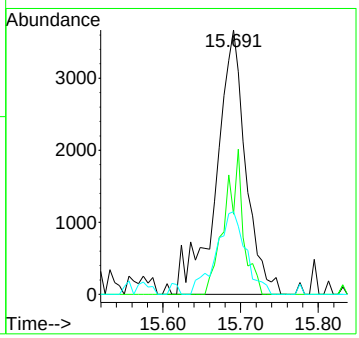


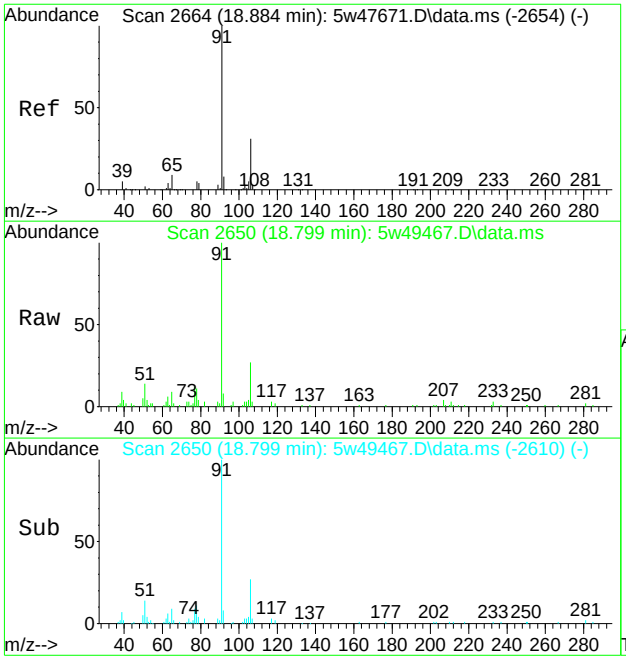


#74
Octane
Concen: 0.16 ppb(v)
RT: 15.691 min Scan# 2142
Delta R.T. -0.073 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 43 Resp: 9714

Ion	Ratio	Lower	Upper
43	100		
85	27.2	31.1	57.9#
57	28.0	27.8	51.6

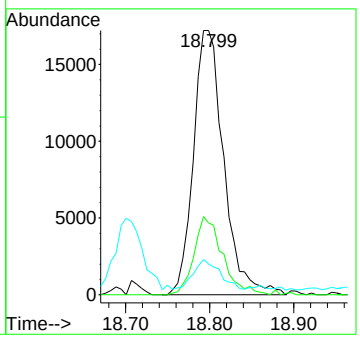


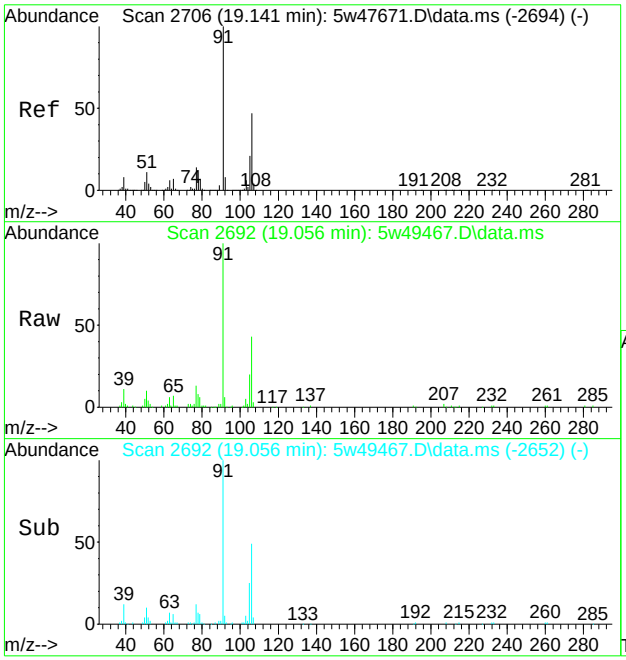


#78
Ethylbenzene
Concen: 0.34 ppb(v)
RT: 18.799 min Scan# 2650
Delta R.T. -0.086 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 91 Resp: 43074

Ion	Ratio	Lower	Upper
91	100		
106	25.2	21.4	39.8
77	10.9	6.6	12.2

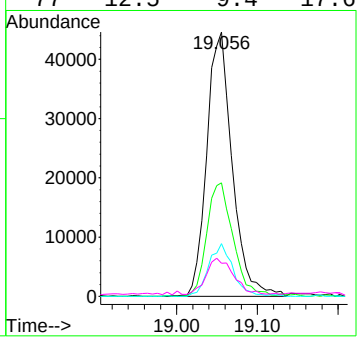


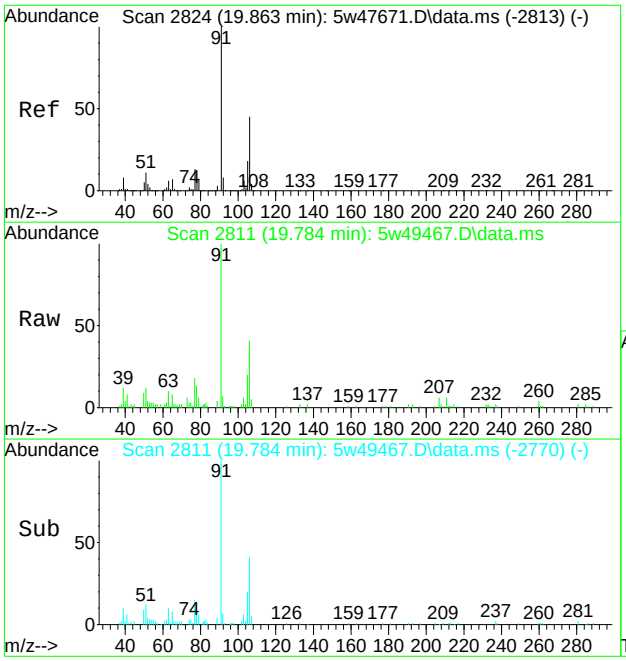


#79
m,p-Xylene
Concen: 1.04 ppb(v)
RT: 19.056 min Scan# 2692
Delta R.T. -0.086 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 91 Resp: 97823

Ion	Ratio	Lower	Upper
91	100		
106	43.0	32.6	60.5
105	20.0	14.5	26.9
77	12.5	9.4	17.6

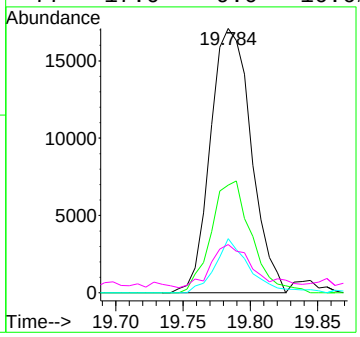


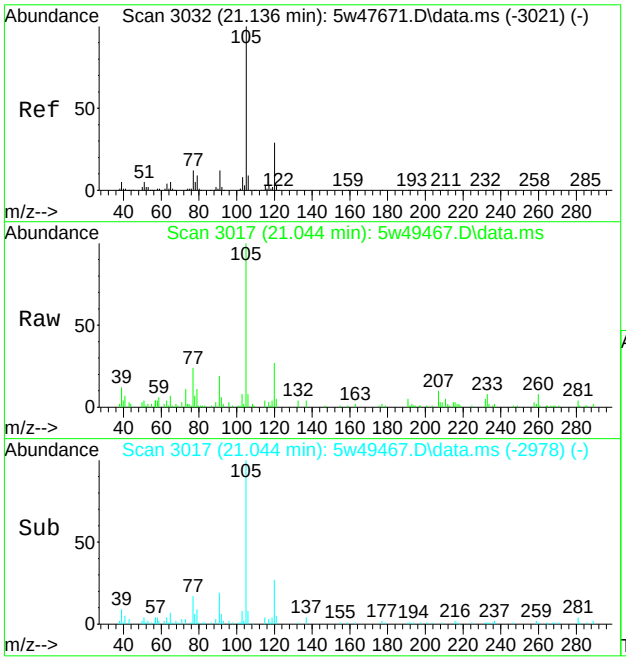


#82
o-Xylene
Concen: 0.36 ppb(v)
RT: 19.784 min Scan# 2811
Delta R.T. -0.080 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion: 91 Resp: 36111

Ion	Ratio	Lower	Upper
91	100		
106	38.0	31.6	58.6
105	19.1	12.4	23.0
77	17.0	9.0	16.6#

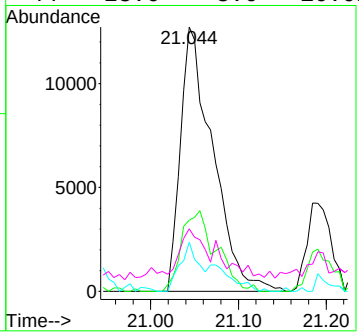


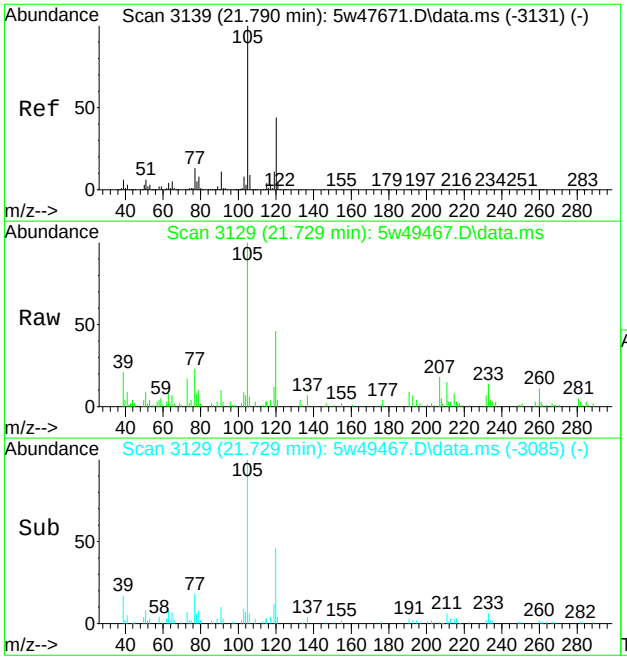


#91
4-Ethyltoluene
Concen: 0.27 ppb(v)
RT: 21.044 min Scan# 3017
Delta R.T. -0.092 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion:105 Resp: 32477

Ion	Ratio	Lower	Upper
105	100		
120	26.9	20.5	38.1
91	18.6	8.2	15.2#
77	23.6	8.6	16.0#

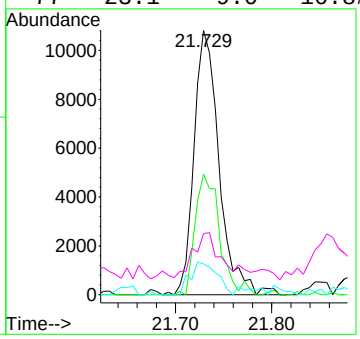




#95
1,2,4-Trimethylbenzene
Concen: 0.20 ppb(v)
RT: 21.729 min Scan# 3129
Delta R.T. -0.061 min
Lab File: 5w49467.D
Acq: 23 Apr 2022 8:17 pm

Tgt Ion:105 Resp: 19642

Ion	Ratio	Lower	Upper
105	100		
120	49.6	30.7	57.1
119	11.7	8.0	14.8
77	23.1	9.0	16.8#



Manual Integration Approval Summary

Sample Number: JD41994-2DUP
Lab FileID: 5W49467.D
Injection Time: 04/23/22 20:17

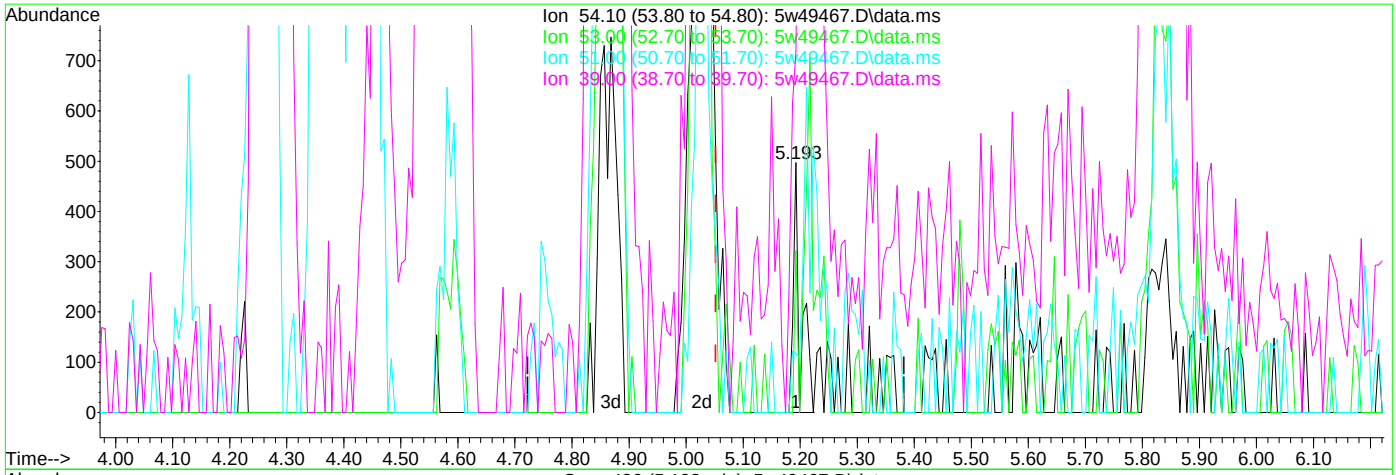
Method: TO-15
Analyst approved: 04/26/22 13:19 Thomas Hilbig
Supervisor approved: 04/26/22 13:27 Kanya Veerawat

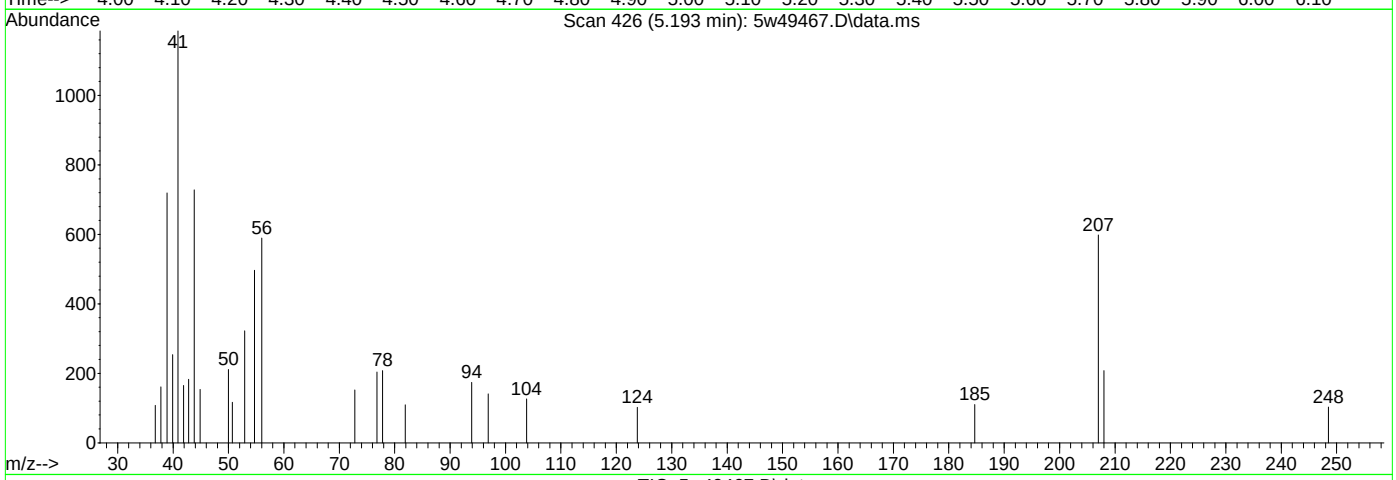
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,3-Butadiene	106-99-0		5.03	Missed peak
Methyl ethyl ketone	78-93-3		11.90	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49467.D
Acq On : 23 Apr 2022 8:17 pm
Operator : thomash
Sample : jd41994-2dup
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 25 09:32:48 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49467.D\data.ms

(11) 1,3-Butadiene

5.193min (+0.141) 0.02ppb(v)

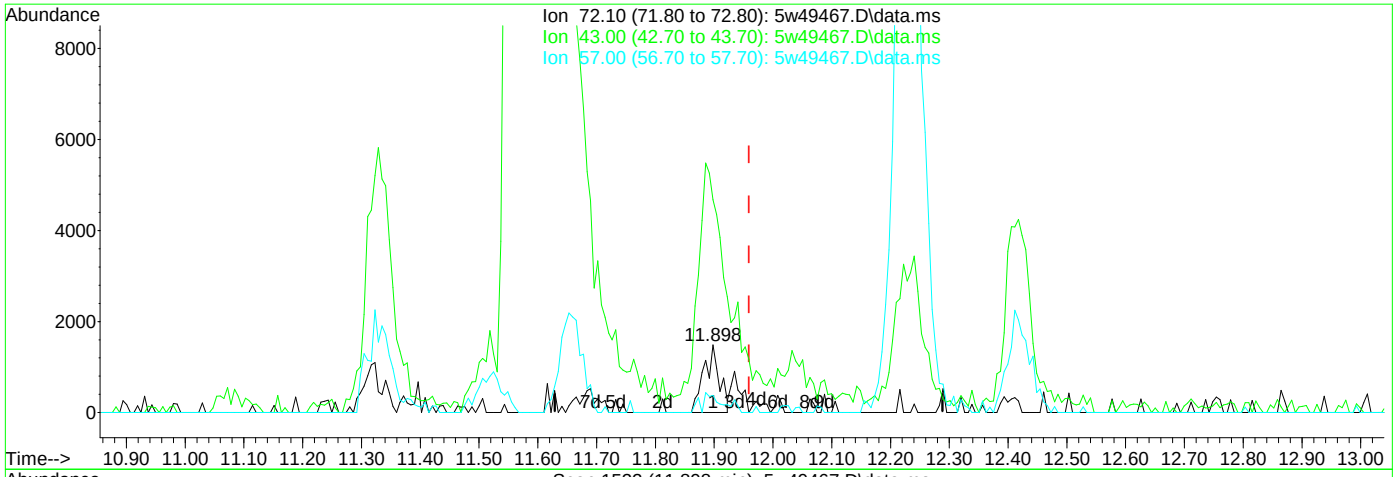
response 437

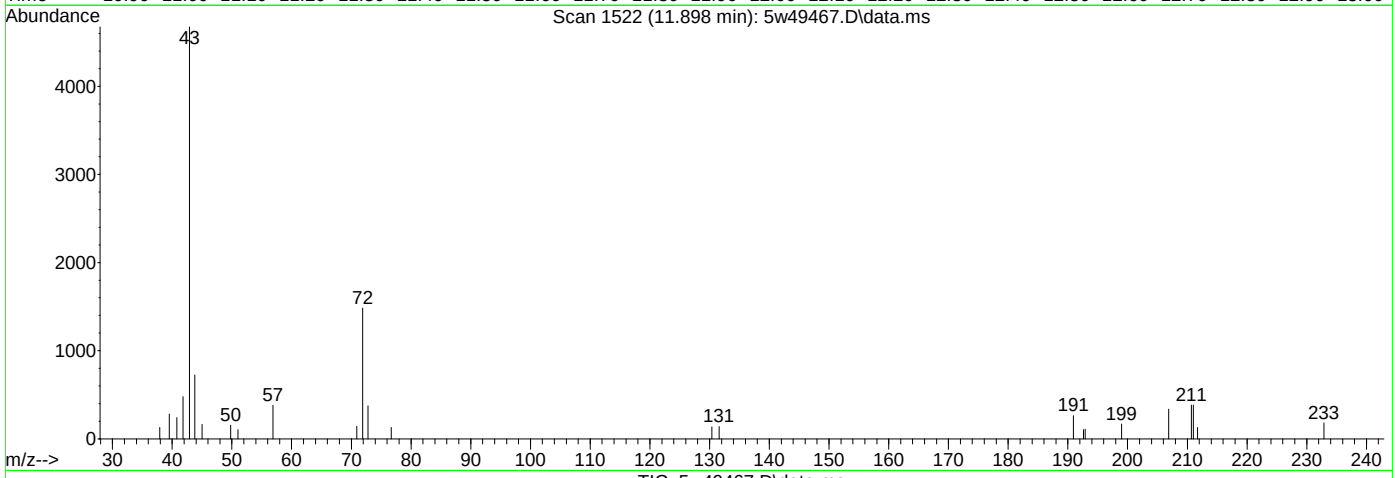
Ion	Exp%	Act%
54.10	100	100
53.00	72.30	64.79
51.00	31.90	23.54
39.00	111.60	144.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49467.D
Acq On : 23 Apr 2022 8:17 pm
Operator : thomash
Sample : jd41994-2dup
Misc : ms57754,v5w2045,500,,,,1
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Apr 25 09:36:07 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49467.D\data.ms

(38) 2-Butanone

11.898min (-0.061) 0.24ppb(v)

response 2737

Ion	Exp%	Act%
72.10	100	100
43.00	435.90	251.61#
57.00	33.00	20.45#
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58399.D
Acq On : 21 Mar 2022 2:54 pm
Operator : thomash
Sample : scc(a778),cp11628
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 15:28:34 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

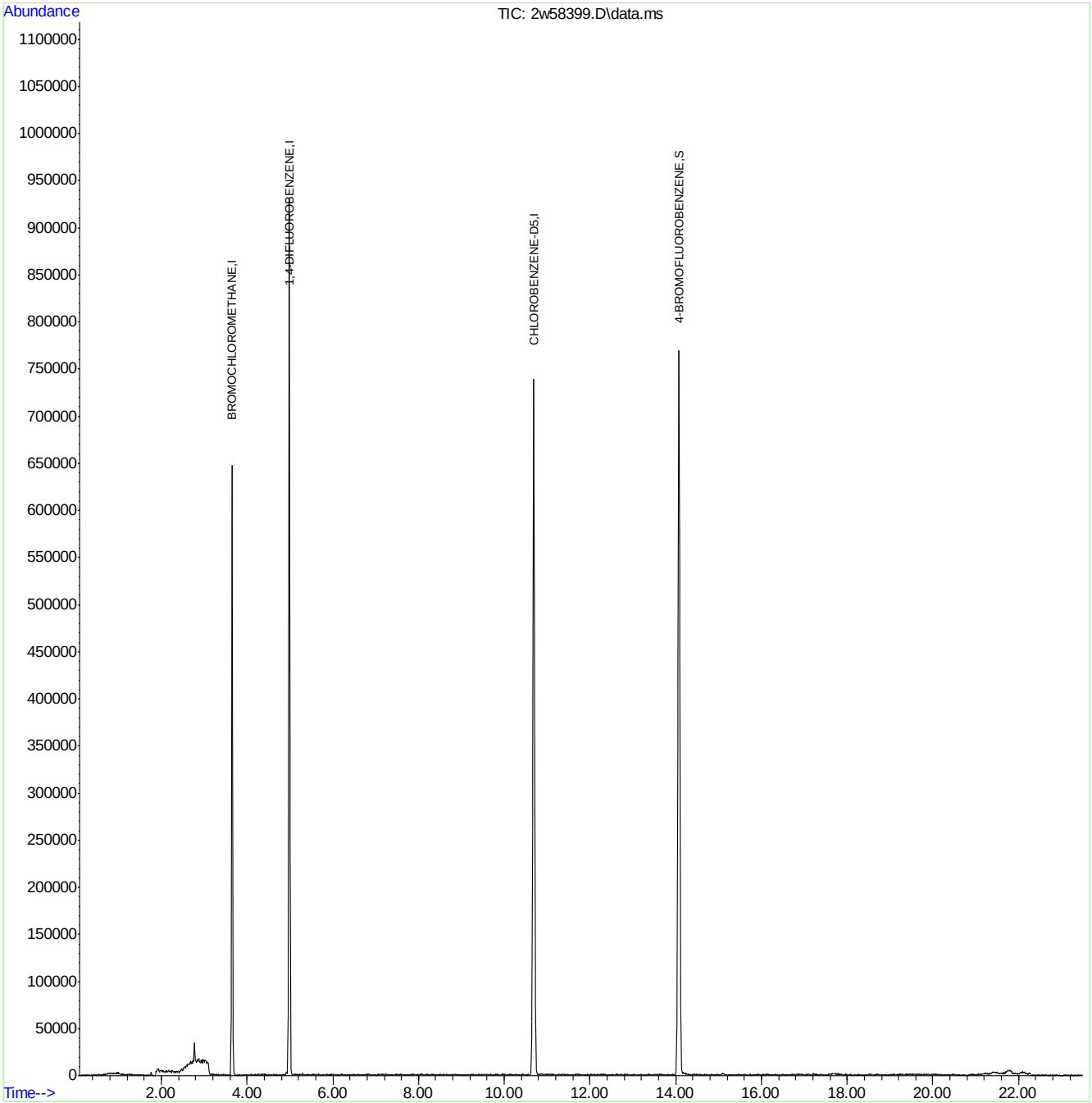
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.650	128	149435	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	780539	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.685	117	723620	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.077	95	436581	9.59	PPBV	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58399.D
Acq On : 21 Mar 2022 2:54 pm
Operator : thomash
Sample : scc(a778),cp11628
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 21 15:28:34 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58401.D
Acq On : 21 Mar 2022 4:20 pm
Operator : thomash
Sample : scc(a1472),cp11631
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 21 17:14:21 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

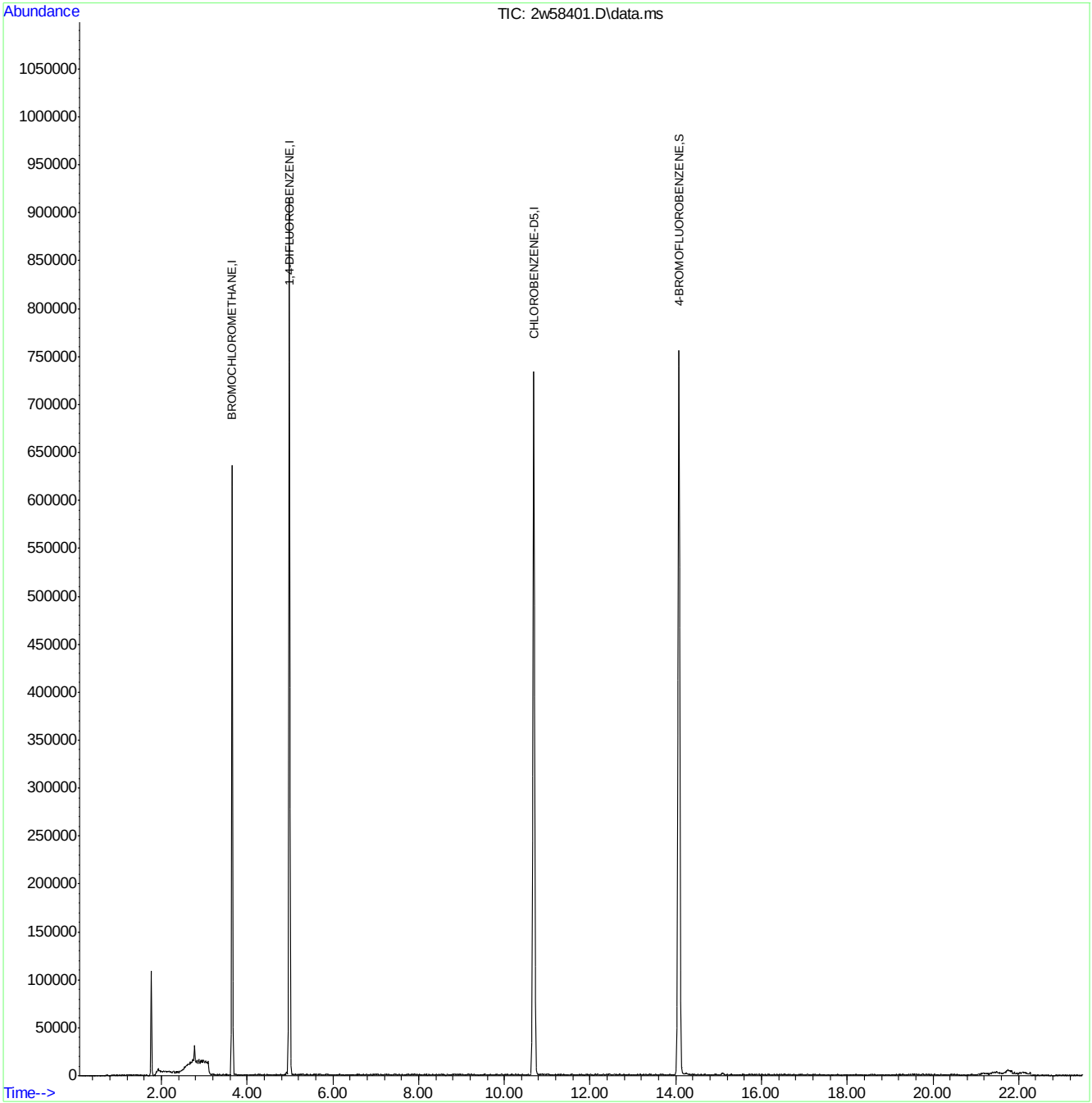
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) BROMOCHLOROMETHANE	3.650	128	144716	10.00	PPBV	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	761704	10.00	PPBV	0.00
76) CHLOROBENZENE-D5	10.688	117	708726	10.00	PPBV	0.00
System Monitoring Compounds						
87) 4-BROMOFLUOROBENZENE	14.074	95	431635	9.68	PPBV	0.00
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58401.D
Acq On : 21 Mar 2022 4:20 pm
Operator : thomash
Sample : scc(a1472),cp11631
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 8 Sample Multiplier: 1

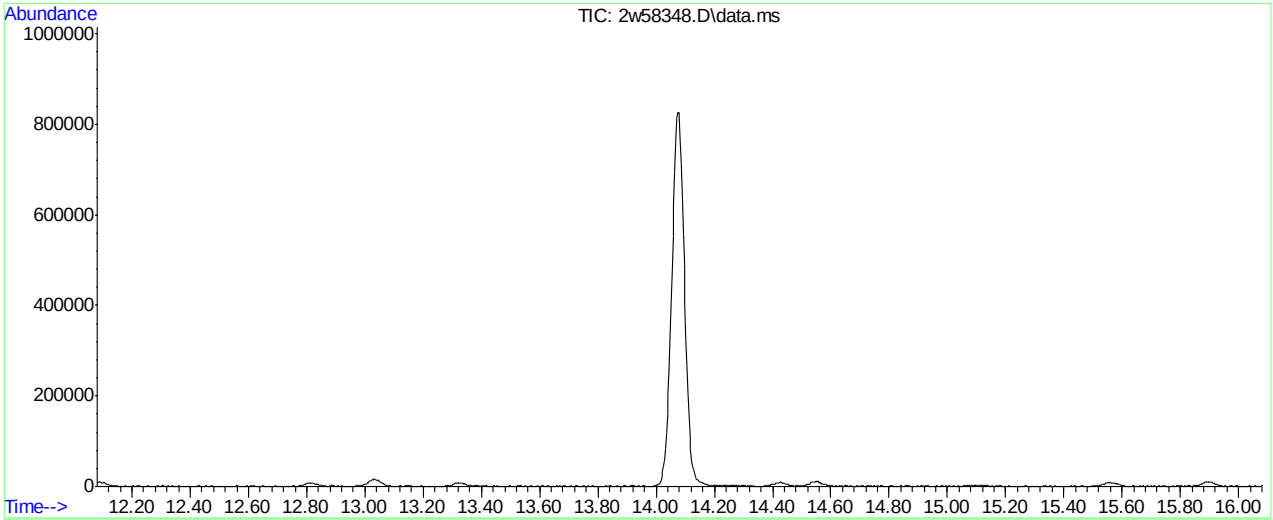
Quant Time: Mar 21 17:14:21 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

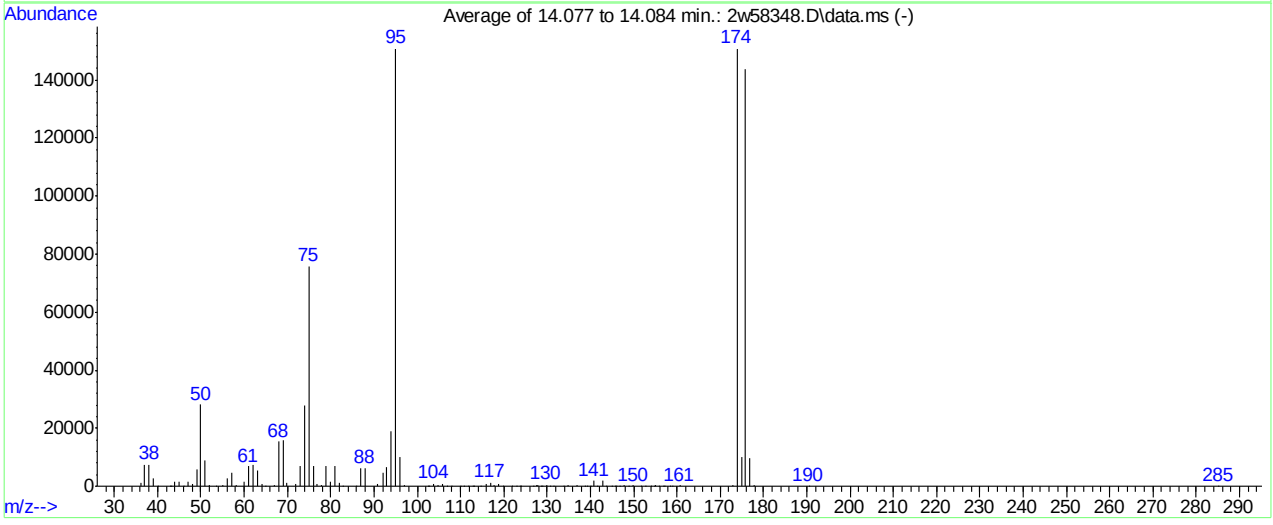


BFB

Data File : C:\msdchem\1\DATA\2w58348.D Vial: 1
Acq On : 18 Mar 2022 7:02 pm Operator: thomash
Sample : bfb Inst : MS2W
Misc : MS57148,V2w2599,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2599.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4351, 4352, 4353; Background Corrected with Scan 4318

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.6	28061	PASS
75	95	30	66	50.3	75859	PASS
95	95	100	100	100.0	150891	PASS
96	95	5	9	6.7	10173	PASS
173	174	0.00	2	0.3	435	PASS
174	95	50	120	99.9	150784	PASS
175	174	4	9	6.6	9958	PASS
176	174	93	101	95.4	143829	PASS
177	176	5	9	6.7	9635	PASS

2w58348.D M2W2599.M Mon Mar 21 08:31:04 2022 GCMS2W

Average of 14.077 to 14.084 min.: 2w58348.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1330	47.95	727	61.00	6938	74.00	27893
37.05	7365	49.00	5968	62.00	7491	75.00	75859
38.05	7460	50.00	28061	63.05	5455	76.00	7026
39.05	2533	51.00	8953	64.00	668	76.90	781
40.10	128	52.05	424	65.00	38	77.90	591
42.95	132	53.40	25	66.95	478	78.90	6800
43.20	61	55.00	505	68.00	15323	79.90	1620
44.00	1425	56.00	2655	69.00	15990	80.90	6841
45.00	1464	57.05	4722	69.95	1258	81.90	1269
46.00	119	58.05	306	72.00	724	82.85	144
47.05	1386	59.95	1716	73.00	6935	85.85	116

Average of 14.077 to 14.084 min.: 2w58348.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.95	6054	103.85	893	115.85	652	127.95	318
87.95	6239	104.75	374	116.85	1169	128.60	62
90.80	636	105.85	854	117.85	558	128.90	117
92.00	4461	106.95	174	118.90	928	129.85	552
92.95	6513	107.90	17	119.80	33	130.80	166
94.00	19048	109.90	72	121.90	50	131.40	37
95.00	150891	110.80	172	122.80	126	133.70	20
96.00	10173	111.75	111	123.70	53	134.90	363
97.00	250	112.80	136	123.90	45	136.80	373
102.50	18	113.00	81	126.85	124	138.80	26
102.80	142	114.75	199	127.70	244	139.15	104

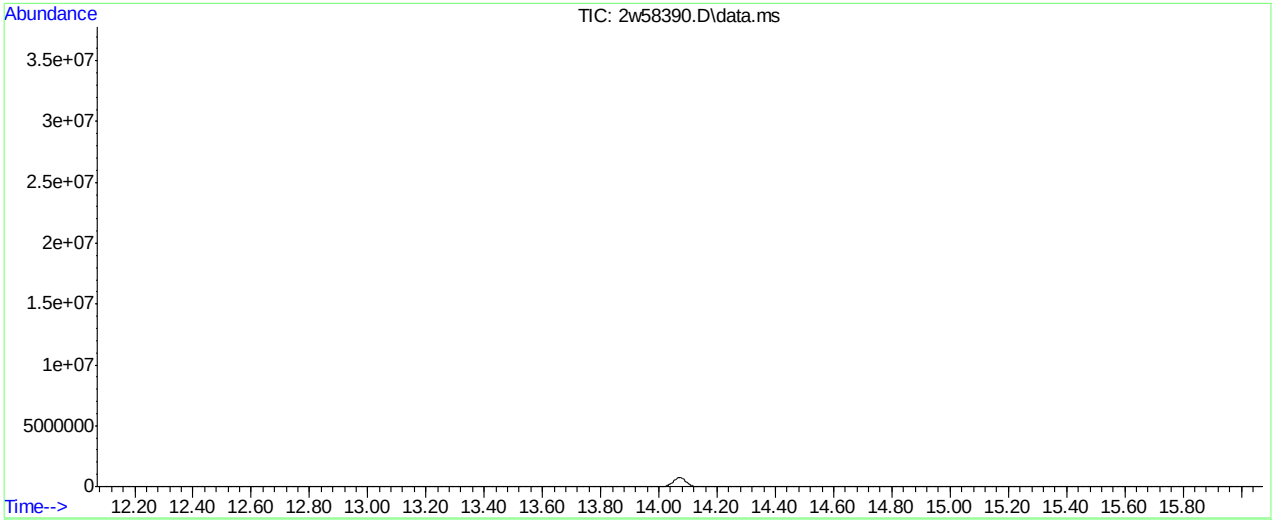
Average of 14.077 to 14.084 min.: 2w58348.D\data.ms
bfb
Modified:subtracted

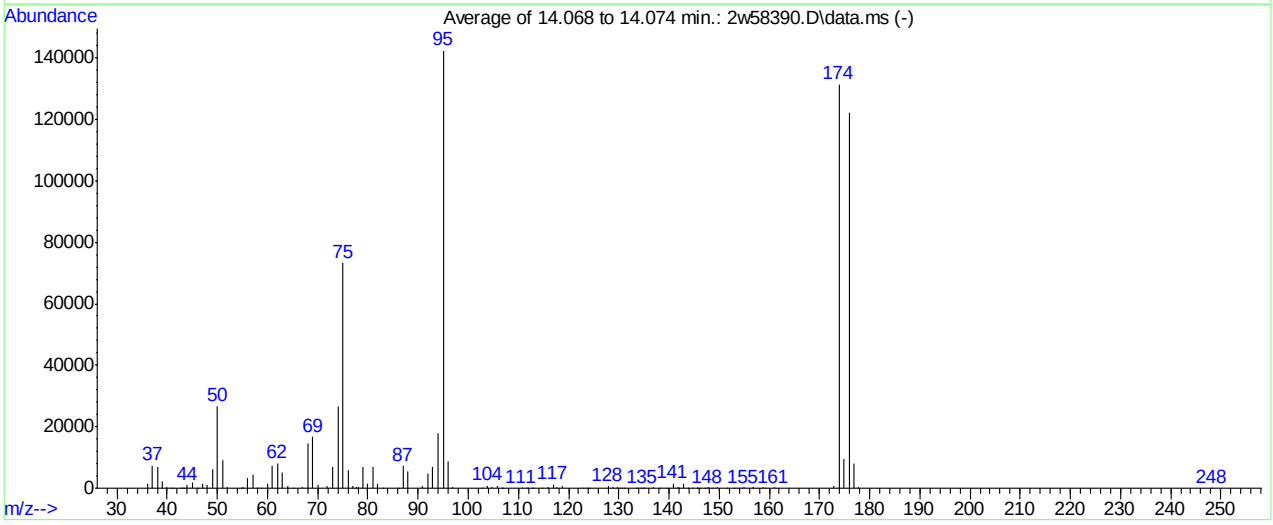
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
139.90	163	149.90	279	160.70	226		
140.85	1899	151.65	59	172.95	435		
141.65	145	152.75	165	173.90	150784		
142.90	1865	153.90	48	174.90	9958		
143.70	97	154.75	186	175.90	143829		
144.95	127	155.05	232	176.90	9635		
145.70	73	155.75	64	177.90	242		
145.90	150	156.80	102	190.50	40		
146.80	142	157.00	145	285.20	22		
147.80	523	158.50	17				
148.75	83	158.95	121				

BFB

Data File : C:\msdchem\1\DATA\2w58390.D Vial: 1
Acq On : 21 Mar 2022 6:46 am Operator: thomash
Sample : bfb Inst : MS2W
Misc : MS57296,V2w2601,,,,,1 Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\msdchem\1\METHODS\M2W2599.M (RTE Integrator)
Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um





AutoFind: Scans 4348, 4349, 4350; Background Corrected with Scan 4322

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.8	26731	PASS
75	95	30	66	51.5	73299	PASS
95	95	100	100	100.0	142421	PASS
96	95	5	9	6.2	8865	PASS
173	174	0.00	2	0.4	570	PASS
174	95	50	120	92.3	131443	PASS
175	174	4	9	7.2	9411	PASS
176	174	93	101	93.0	122283	PASS
177	176	5	9	6.7	8165	PASS

2w58390.D M2W2599.M Mon Mar 21 15:19:57 2022 GCMS2W

Average of 14.068 to 14.074 min.: 2w58390.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.05	1537	44.95	1677	57.05	4274	68.00	14735
37.05	7327	46.05	136	57.80	75	69.00	16632
38.05	6981	47.00	1372	58.00	160	70.00	1273
39.05	2221	47.90	980	58.60	122	71.95	787
39.95	462	49.00	6325	59.95	1569	72.95	6827
40.90	25	50.00	26731	60.95	7290	74.00	26597
41.25	49	51.00	9041	62.00	8036	75.00	73299
42.70	28	52.00	346	63.00	5137	76.00	6022
43.00	151	54.80	176	64.00	562	76.95	847
43.20	63	55.10	202	65.10	67	77.60	128
44.00	1027	56.00	3296	66.90	282	77.75	395

Average of 14.068 to 14.074 min.: 2w58390.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
78.10	268	92.95	6852	110.70	144	123.70	55
78.90	6818	94.00	17842	111.60	34	124.10	79
79.85	1583	95.00	142421	111.90	58	127.85	560
80.90	6867	96.00	8865	112.80	99	128.90	353
81.90	1384	96.85	201	112.95	67	129.80	480
83.00	183	102.75	105	114.85	182	130.10	174
86.10	148	103.90	835	115.85	550	130.70	106
86.95	7242	104.80	268	116.90	1118	131.00	72
87.95	5414	105.85	639	117.75	516	133.60	21
90.85	752	106.70	50	118.85	814	133.80	31
92.00	4677	106.95	126	122.70	26	134.30	19

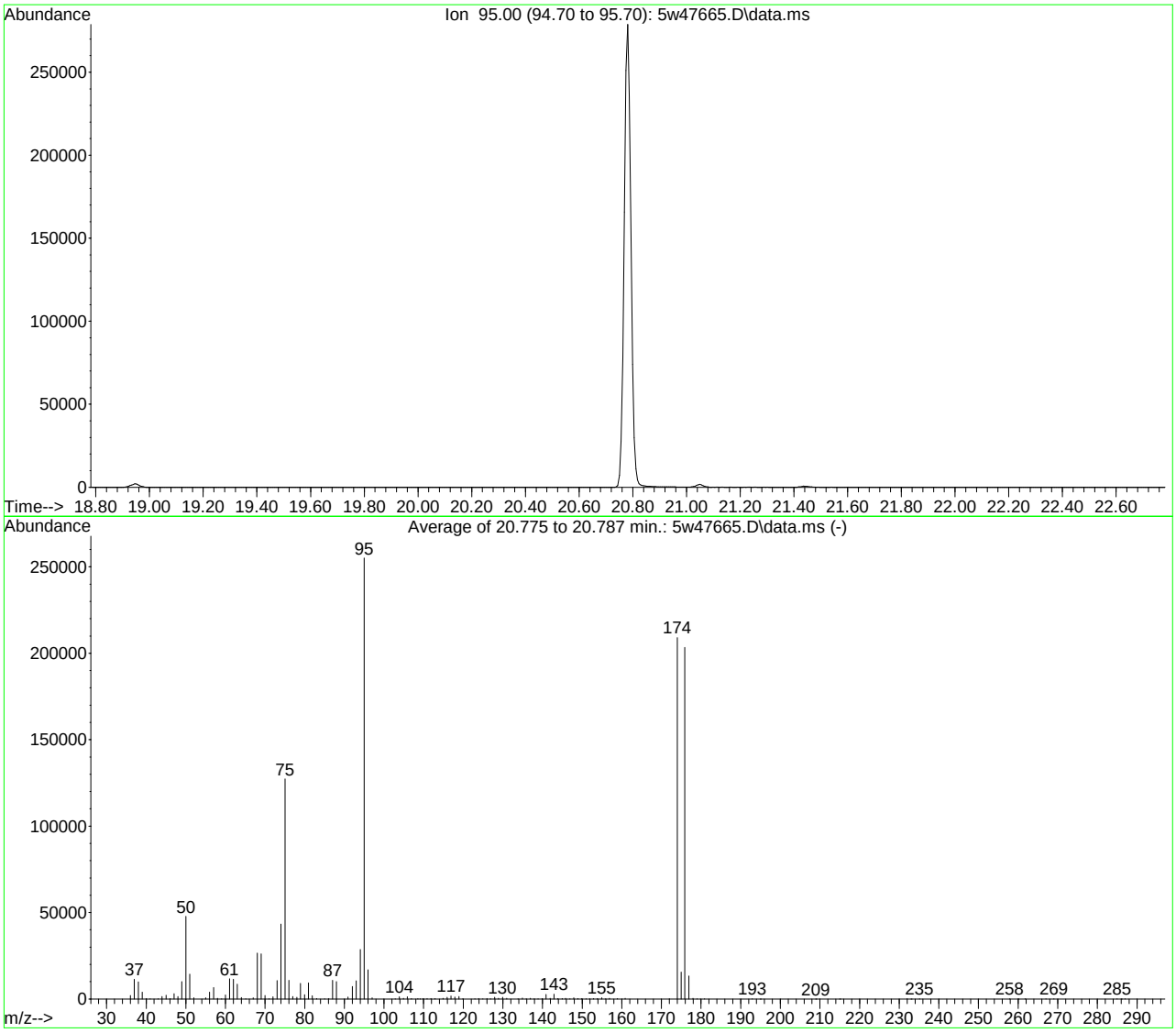
Average of 14.068 to 14.074 min.: 2w58390.D\data.ms
bfb
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
134.80	191	145.65	122	154.60	111	176.90	8165
135.00	127	145.90	135	154.90	345	177.85	277
136.90	322	146.20	17	156.70	37	248.20	36
138.10	32	147.10	47	156.85	260		
139.55	146	147.80	357	158.75	244		
140.85	1615	148.10	87	159.10	34		
141.70	303	148.60	74	160.90	236		
142.00	118	149.70	200	172.85	570		
142.95	1499	151.60	19	173.90	131443		
143.85	137	152.90	66	174.90	9411		
144.75	166	153.95	71	175.90	122283		

BFB

Data File : C:\msdchem\1\data\5w47665.D Vial: 1
Acq On : 31 Jan 2022 6:33 pm Operator: danat
Sample : bfb Inst : Air5w
Misc : ms56393,v5w1969,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\m5w1969.M (RTE Integrator)
Title : TO-15 Full Scan Mode



AutoFind: Scans 2973, 2974, 2975; Background Corrected with Scan 2964

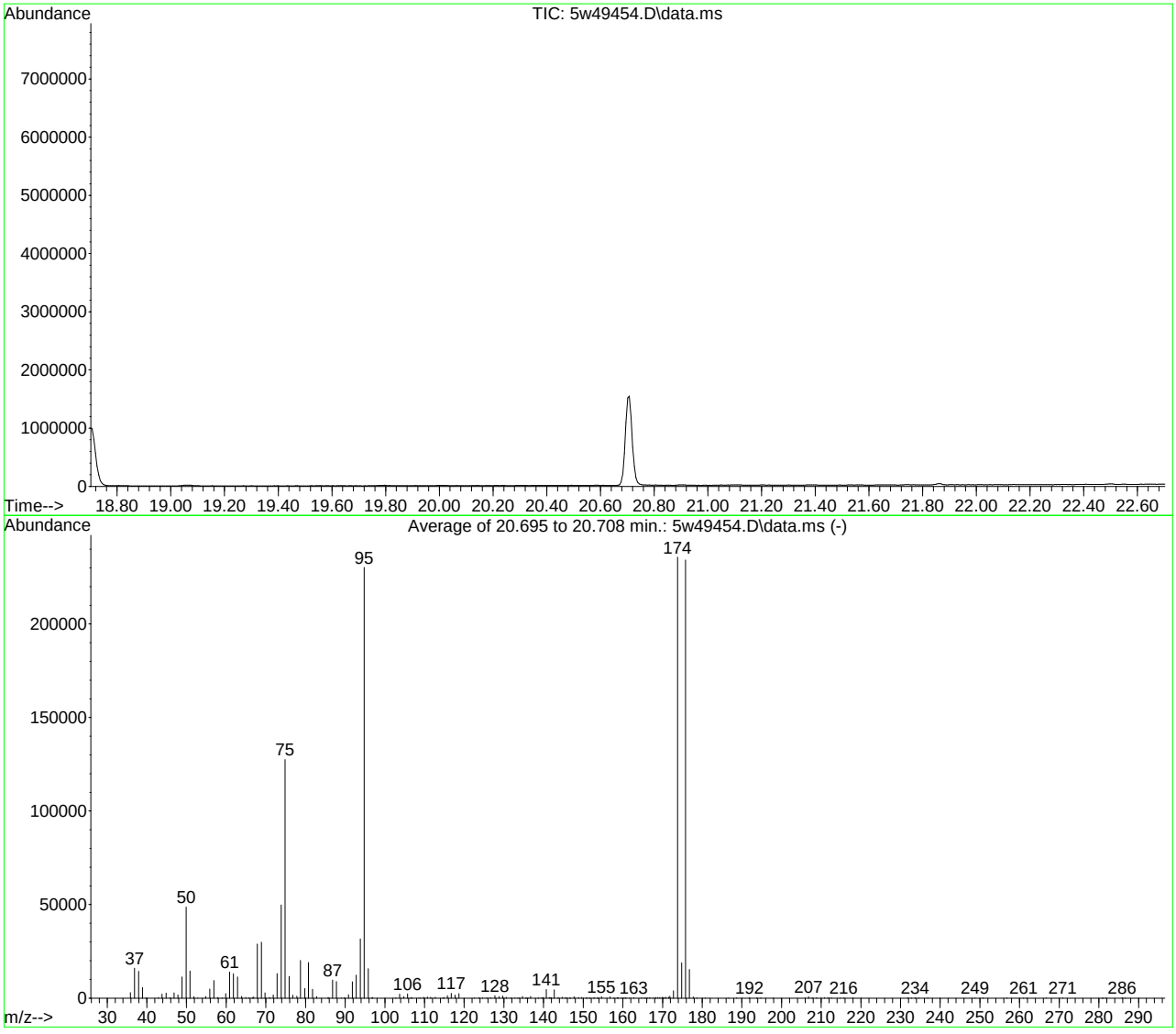
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	18.7	47755	PASS
75	95	30	66	49.9	127338	PASS
95	95	100	100	100.0	255061	PASS
96	95	5	9	6.6	16919	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	120	81.9	209003	PASS
175	174	4	9	7.4	15483	PASS
176	174	93	101	97.3	203392	PASS
177	176	5	9	6.6	13350	PASS

5w47665.D m5w1969.M Tue Feb 01 13:09:36 2022

BFB

Data File : C:\msdchem\1\data\5w49454.D Vial: 1
Acq On : 23 Apr 2022 9:23 am Operator: thomash
Sample : bfb Inst : Air5w
Misc : ms57724,v5w2045,,,,,1 Multiplr: 1.00
MS Integration Params: Rteint.p

Method : C:\msdchem\1\methods\m5w1969.M (RTE Integrator)
Title : TO-15 Full Scan Mode



AutoFind: Scans 2960, 2961, 2962; Background Corrected with Scan 2950

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	21.1	48677	PASS
75	95	30	66	55.4	127564	PASS
95	95	100	100	100.0	230293	PASS
96	95	5	9	6.8	15742	PASS
173	174	0.00	2	1.7	3893	PASS
174	95	50	120	102.4	235712	PASS
175	174	4	9	8.0	18873	PASS
176	174	93	101	99.4	234283	PASS
177	176	5	9	6.6	15375	PASS

5w49454.D m5w1969.M Mon Apr 25 08:12:24 2022

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58349.D
Acq On : 18 Mar 2022 7:40 pm
Operator : thomash
Sample : ic2599-0.5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 09:01:43 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	167567	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	871525	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	797944	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	479708	8.68	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	2269	0.50	PPBV	#	62
4) CHLORODIFLUOROMETHANE	1.836	67	1250	0.48	PPBV	#	87
5) CHLOROTRIFLUOROETHENE	1.849	116	7945	0.45	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	36907	0.50	PPBV	#	97
7) PROPYLENE	1.846	41	2773	0.67	PPBV	#	87
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	30745	0.53	PPBV	#	87
9) FREON 114	1.965	85	38912	0.50	PPBV		94
10) CHLOROMETHANE	1.930	52	3272	0.59	PPBV		93
11) VINYL CHLORIDE	2.013	62	11101	0.51	PPBV		95
12) 1,3-BUTADIENE	2.058	54	7492	0.51	PPBV	#	84
13) N-BUTANE	2.084	43	12377	0.53	PPBV	#	95
14) BROMOMETHANE	2.161	94	12069	0.50	PPBV		96
15) CHLOROETHANE	2.229	64	5210	0.50	PPBV	#	87
16) DICHLOROFLUOROMETHANE	2.261	67	23192	0.49	PPBV	#	94
17) ACETONITRILE	2.351	41	7407	0.67	PPBV	#	94
18) ACROLEIN	2.399	56	4450	0.55	PPBV		98
19) FREON 123	2.422	83	27860	0.49	PPBV	#	97
20) FREON 123A	2.444	117	16970	0.47	PPBV		92
21) TRICHLOROFLUOROMETHANE	2.525	101	44002	0.48	PPBV		98
22) ISOPROPYL ALCOHOL	2.541	45	27194	0.62	PPBV	#	91
23) ACETONE	2.451	58	6191	0.64	PPBV		77
24) PENTANE	2.643	42	17135	0.53	PPBV		96
25) IODOMETHANE	2.708	142	79181	0.50	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.733	96	29386	0.52	PPBV		100
27) CARBON DISULFIDE	2.869	76	86326	0.49	PPBV	#	1
28) ETHANOL	2.261	45	4437	0.79	PPBV	#	87
29) BROMOETHENE	2.357	106	12361	0.51	PPBV	#	95
30) ACRYLONITRILE	2.615	52	12995	0.56	PPBV		98
31) METHYLENE CHLORIDE	2.769	84	31715	0.62	PPBV		99
32) 3-CHLOROPROPENE	2.811	76	14018	0.53	PPBV	#	89
33) FREON 113	2.869	151	58106	0.51	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.106	96	27794	0.53	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.746	59	45216	0.53	PPBV	#	79
36) METHYL TERTIARY BUTYL ...	3.222	73	23793	0.46	PPBV	#	96
37) TETRAHYDROFURAN	3.962	72	4440	0.42	PPBV		84
38) HEXANE	3.708	57	12852	0.37	PPBV	#	88
39) VINYL ACETATE	3.267	86	2316	0.40	PPBV	#	64
40) 1,1-DICHLOROETHANE	3.187	63	14204	0.48	PPBV	#	95
41) METHYL ETHYL KETONE	3.370	72	5176	0.51	PPBV		78
42) CIS-1,2-DICHLOROETHENE	3.569	96	11644	0.47	PPBV		91
43) DIISOPROPYL ETHER	3.708	59	4052	0.38	PPBV		79

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58349.D
Acq On : 18 Mar 2022 7:40 pm
Operator : thomash
Sample : ic2599-0.5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 09:01:43 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
44) ETHYL ACETATE	3.714	61	2784	0.36 PPBV #	89
45) METHYL ACRYLATE	3.701	55	15342	0.38 PPBV #	97
46) CHLOROFORM	3.730	83	23196	0.42 PPBV #	96
47) 2,4-DIMETHYLPENTANE	4.248	57	14588	0.42 PPBV #	93
48) 1,1,1-TRICHLOROETHANE	4.325	97	21415	0.44 PPBV	99
49) CARBON TETRACHLORIDE	4.762	117	22597	0.45 PPBV	97
50) 1,2-DICHLOROETHANE	4.158	62	13457	0.46 PPBV	95
51) BENZENE	4.653	78	30737	0.45 PPBV	97
53) CYCLOHEXANE	4.865	84	15038	0.49 PPBV #	77
54) 2,3-DIMETHYLPENTANE	5.132	71	6379	0.42 PPBV #	99
55) TRICHLOROETHENE	5.579	95	14777	0.42 PPBV	94
56) 1,2-DICHLOROPROPANE	5.344	63	10401	0.46 PPBV #	90
57) DIBROMOMETHANE	5.296	174	15449	0.48 PPBV	97
58) ETHYL ACRYLATE	5.466	55	17582	0.40 PPBV	97
59) BROMODICHLOROMETHANE	5.528	83	22969	0.41 PPBV	96
60) 2,2,4-TRIMETHYLPENTANE	5.682	57	40637	0.41 PPBV #	98
61) 1,4-DIOXANE	5.608	88	9506	0.53 PPBV #	87
62) HEPTANE	5.997	43	11854	0.40 PPBV	88
63) METHYL METHACRYLATE	5.897	69	10673	0.40 PPBV	95
64) METHYL ISOBUTYL KETONE	6.653	58	7986	0.41 PPBV #	86
65) CIS-1,3-DICHLOROPROPENE	6.544	75	15686	0.41 PPBV #	87
66) TOLUENE	7.785	91	41146	0.43 PPBV	99
67) 1,3-DICHLOROPROPANE	7.839	76	18899	0.42 PPBV #	92
68) TRANS-1,3-DICHLOROPROPENE	7.238	75	12653	0.37 PPBV #	90
69) 1,1,2-TRICHLOROETHANE	7.399	83	12304	0.46 PPBV	99
70) 2-HEXANONE	8.363	58	10935	0.41 PPBV #	81
71) ETHYL METHACRYLATE	8.495	69	17359	0.37 PPBV	97
72) TETRACHLOROETHENE	9.550	164	17549	0.44 PPBV	98
73) DIBROMOCHLOROMETHANE	8.328	129	25137	0.40 PPBV	96
74) 1,2-DIBROMOETHANE	8.675	107	22033	0.38 PPBV	97
75) OCTANE	9.682	43	16558	0.39 PPBV	91
77) 1,1,1,2-TETRACHLOROETHANE	10.775	131	17684	0.42 PPBV	95
78) CHLOROBENZENE	10.769	112	35474	0.44 PPBV	95
79) ETHYLBENZENE	11.653	91	54242	0.45 PPBV	98
80) M,P-XYLENE	12.090	91	82526	0.82 PPBV #	49
81) O-XYLENE	13.026	91	42804	0.41 PPBV #	95
82) STYRENE	12.820	104	32512	0.41 PPBV	99
83) NONANE	14.138	43	19735	0.45 PPBV	88
84) BROMOFORM	11.907	173	24626	0.42 PPBV #	97
85) 1,1,2,2-TETRACHLOROETHANE	13.039	83	31406	0.41 PPBV	96
86) 1,2,3-TRICHLOROPROPANE	13.325	75	21726	0.41 PPBV #	99
88) ISOPROPYLBENZENE	14.547	120	18144	0.41 PPBV	97
89) BROMOBENZENE	14.431	77	27685	0.42 PPBV	84
90) 2-CHLOROTOLUENE	15.556	126	16775	0.43 PPBV	97
91) N-PROPYLBENZENE	15.900	120	17000	0.38 PPBV	99
92) 4-ETHYLTOLUENE	16.222	105	60112	0.37 PPBV	97
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	49016	0.35 PPBV	99
94) ALPHA-METHYLSTYRENE	16.553	118	25126	0.33 PPBV	100
95) TERT-BUTYLBENZENE	16.804	134	12556	0.32 PPBV	97
96) 1,2,4-TRIMETHYLBENZENE	16.810	105	49548	0.31 PPBV	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58349.D
Acq On : 18 Mar 2022 7:40 pm
Operator : thomash
Sample : ic2599-0.5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 09:01:43 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

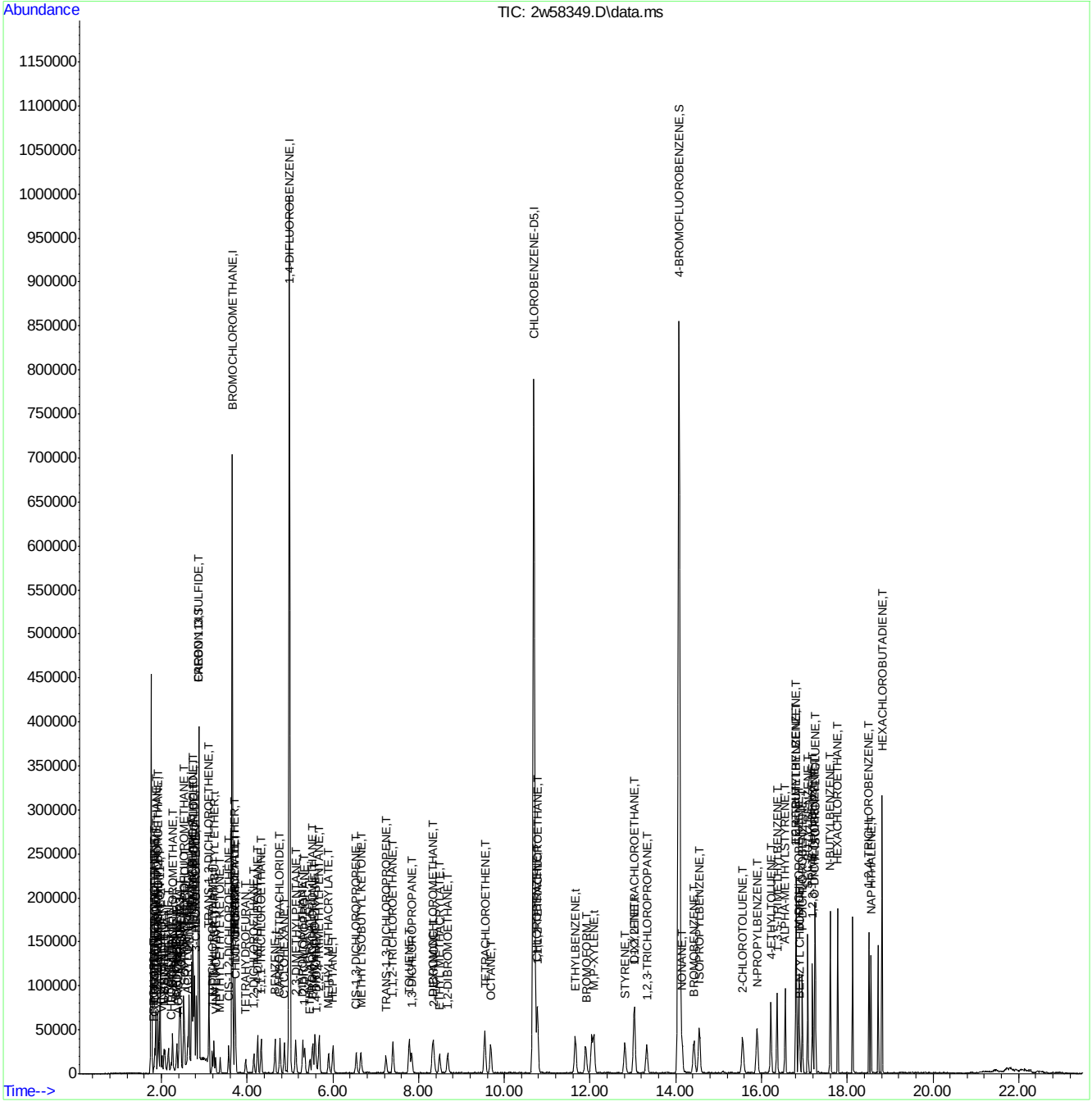
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.894	91	16662	0.20	PPBV	99
98)	M-DICHLOROBENZENE	16.871	146	35510	0.34	PPBV	97
99)	P-DICHLOROBENZENE	16.952	146	34051	0.32	PPBV	98
100)	O-DICHLOROBENZENE	17.244	146	33730	0.32	PPBV	99
101)	SEC-BUTYLBENZENE	17.080	134	16591	0.33	PPBV	85
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	48194	0.32	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.257	134	17397	0.30	PPBV	93
104)	N-BUTYLBENZENE	17.598	134	16356	0.31	PPBV	95
105)	HEXACHLOROETHANE	17.778	117	19829	0.30	PPBV	92
106)	HEXACHLOROBUTADIENE	18.816	225	29426	0.38	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.508	180	27280	0.35	PPBV	99
108)	NAPHTHALENE	18.559	128	62128	0.35	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58349.D
Acq On : 18 Mar 2022 7:40 pm
Operator : thomash
Sample : ic2599-0.5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 09:01:43 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58350.D
Acq On : 18 Mar 2022 8:15 pm
Operator : thomash
Sample : ic2599-0.2
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:53:00 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:38:49 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	166220	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	871478	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	791788	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	465770	9.27	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	953	0.21	PPBV	#	69
4) CHLORODIFLUOROMETHANE	1.843	67	447	0.18	PPBV	#	87
5) CHLOROTRIFLUOROETHENE	1.849	116	3384	0.19	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.872	85	14931	0.20	PPBV	#	97
7) PROPYLENE	1.852	41	970	0.21	PPBV	#	84
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	12109	0.21	PPBV	#	75
9) FREON 114	1.968	85	15641	0.20	PPBV		94
10) CHLOROMETHANE	1.926	52	1585	0.27	PPBV		76
11) VINYL CHLORIDE	2.010	62	4208	0.19	PPBV	#	90
12) 1,3-BUTADIENE	2.058	54	3125	0.21	PPBV	#	75
13) N-BUTANE	2.081	43	5093	0.20	PPBV	#	93
14) BROMOMETHANE	2.161	94	5037	0.20	PPBV	#	96
15) CHLOROETHANE	2.222	64	2431	0.22	PPBV		95
16) DICHLOROFLUOROMETHANE	2.261	67	9775	0.21	PPBV	#	97
17) ACETONITRILE	2.348	41	3132	0.26	PPBV	#	13
18) ACROLEIN	2.402	56	2171	0.25	PPBV		99
19) FREON 123	2.421	83	11472	0.20	PPBV		94
20) FREON 123A	2.444	117	7335	0.20	PPBV		80
21) TRICHLOROFLUOROMETHANE	2.521	101	18056	0.21	PPBV		96
22) ISOPROPYL ALCOHOL	2.544	45	11377	0.25	PPBV	#	90
23) ACETONE	2.454	58	2738	0.26	PPBV		76
24) PENTANE	2.643	42	6849	0.20	PPBV		91
25) IODOMETHANE	2.708	142	31301	0.20	PPBV		92
26) 1,1-DICHLOROETHYLENE	2.737	96	11699	0.20	PPBV		97
27) CARBON DISULFIDE	2.868	76	34023	0.20	PPBV	#	85
28) ETHANOL	2.261	45	2296	0.31	PPBV	#	93
29) BROMOETHENE	2.367	106	5491	0.22	PPBV	#	90
30) ACRYLONITRILE	2.618	52	5641	0.22	PPBV		98
31) METHYLENE CHLORIDE	2.769	84	16061	0.29	PPBV		99
32) 3-CHLOROPROPENE	2.814	76	5220	0.19	PPBV	#	88
33) FREON 113	2.872	151	22255	0.20	PPBV		96
34) TRANS-1,2-DICHLOROETHENE	3.106	96	10981	0.22	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.743	59	18668	0.22	PPBV	#	76
36) METHYL TERTIARY BUTYL ...	3.229	73	10136	0.20	PPBV		98
37) TETRAHYDROFURAN	3.968	72	1922	0.20	PPBV		92
38) HEXANE	3.701	57	5394	0.17	PPBV		89
39) VINYL ACETATE	3.261	86	931	0.18	PPBV	#	81
40) 1,1-DICHLOROETHANE	3.193	63	5710	0.20	PPBV		98
41) METHYL ETHYL KETONE	3.370	72	2032	0.19	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.573	96	4579	0.19	PPBV		92
43) DIISOPROPYL ETHER	3.714	59	1691	0.17	PPBV		70

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58350.D
Acq On : 18 Mar 2022 8:15 pm
Operator : thomash
Sample : ic2599-0.2
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:53:00 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:38:49 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.720	61	1273	0.19	PPBV		74
45) METHYL ACRYLATE	3.701	55	6198	0.17	PPBV	#	95
46) CHLOROFORM	3.727	83	9664	0.19	PPBV	#	96
47) 2,4-DIMETHYLPENTANE	4.251	57	6270	0.19	PPBV		95
48) 1,1,1-TRICHLOROETHANE	4.325	97	8388	0.18	PPBV		95
49) CARBON TETRACHLORIDE	4.762	117	8835	0.19	PPBV		94
50) 1,2-DICHLOROETHANE	4.155	62	5636	0.20	PPBV	#	97
51) BENZENE	4.650	78	12800	0.19	PPBV		98
53) CYCLOHEXANE	4.868	84	5783	0.19	PPBV	#	82
54) 2,3-DIMETHYLPENTANE	5.132	71	2767	0.19	PPBV		91
55) TRICHLOROETHENE	5.579	95	6331	0.19	PPBV		98
56) 1,2-DICHLOROPROPANE	5.338	63	4245	0.19	PPBV	#	84
57) DIBROMOMETHANE	5.299	174	6150	0.18	PPBV		91
58) ETHYL ACRYLATE	5.473	55	7441	0.18	PPBV	#	95
59) BROMODICHLOROMETHANE	5.527	83	9877	0.19	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.672	57	16768	0.18	PPBV		98
61) 1,4-DIOXANE	5.634	88	4303	0.23	PPBV	#	81
62) HEPTANE	6.007	43	4922	0.18	PPBV		92
63) METHYL METHACRYLATE	5.907	69	4505	0.19	PPBV		98
64) METHYL ISOBUTYL KETONE	6.646	58	3519	0.20	PPBV		98
65) CIS-1,3-DICHLOROPROPENE	6.543	75	6680	0.19	PPBV	#	85
66) TOLUENE	7.778	91	16053	0.18	PPBV		99
67) 1,3-DICHLOROPROPANE	7.846	76	7584	0.18	PPBV	#	91
68) TRANS-1,3-DICHLOROPROPENE	7.244	75	5000	0.16	PPBV	#	81
69) 1,1,2-TRICHLOROETHANE	7.399	83	4760	0.18	PPBV		90
70) 2-HEXANONE	8.370	58	4568	0.19	PPBV		82
71) ETHYL METHACRYLATE	8.486	69	6475	0.16	PPBV		93
72) TETRACHLOROETHENE	9.534	164	7171	0.19	PPBV		96
73) DIBROMOCHLOROMETHANE	8.338	129	10486	0.18	PPBV		97
74) 1,2-DIBROMOETHANE	8.678	107	8721	0.18	PPBV	#	99
75) OCTANE	9.685	43	6647	0.17	PPBV		93
77) 1,1,1,2-TETRACHLOROETHANE	10.775	131	7072	0.18	PPBV		98
78) CHLOROBENZENE	10.768	112	14371	0.19	PPBV		96
79) ETHYLBENZENE	11.649	91	20699	0.18	PPBV		97
80) M,P-XYLENE	12.048	91	32521	0.36	PPBV	#	79
81) O-XYLENE	13.022	91	16517	0.18	PPBV	#	85
82) STYRENE	12.810	104	12611	0.18	PPBV		96
83) NONANE	14.141	43	8231	0.19	PPBV	#	17
84) BROMOFORM	11.903	173	9618	0.18	PPBV		94
85) 1,1,2,2-TETRACHLOROETHANE	13.042	83	12600	0.18	PPBV		97
86) 1,2,3-TRICHLOROPROPANE	13.321	75	8887	0.19	PPBV	#	99
88) ISOPROPYLBENZENE	14.543	120	7245	0.18	PPBV		99
89) BROMOBENZENE	14.427	77	11074	0.19	PPBV		87
90) 2-CHLOROTOLUENE	15.559	126	6369	0.18	PPBV		93
91) N-PROPYLBENZENE	15.894	120	6993	0.17	PPBV		97
92) 4-ETHYLTOLUENE	16.218	105	22730	0.16	PPBV		99
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	18478	0.16	PPBV		98
94) ALPHA-METHYLSTYRENE	16.556	118	8990	0.14	PPBV		97
95) TERT-BUTYLBENZENE	16.804	134	5108	0.15	PPBV		89
96) 1,2,4-TRIMETHYLBENZENE	16.810	105	20002	0.16	PPBV		95

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58350.D
Acq On : 18 Mar 2022 8:15 pm
Operator : thomash
Sample : ic2599-0.2
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:53:00 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:38:49 2022
Response via : Initial Calibration

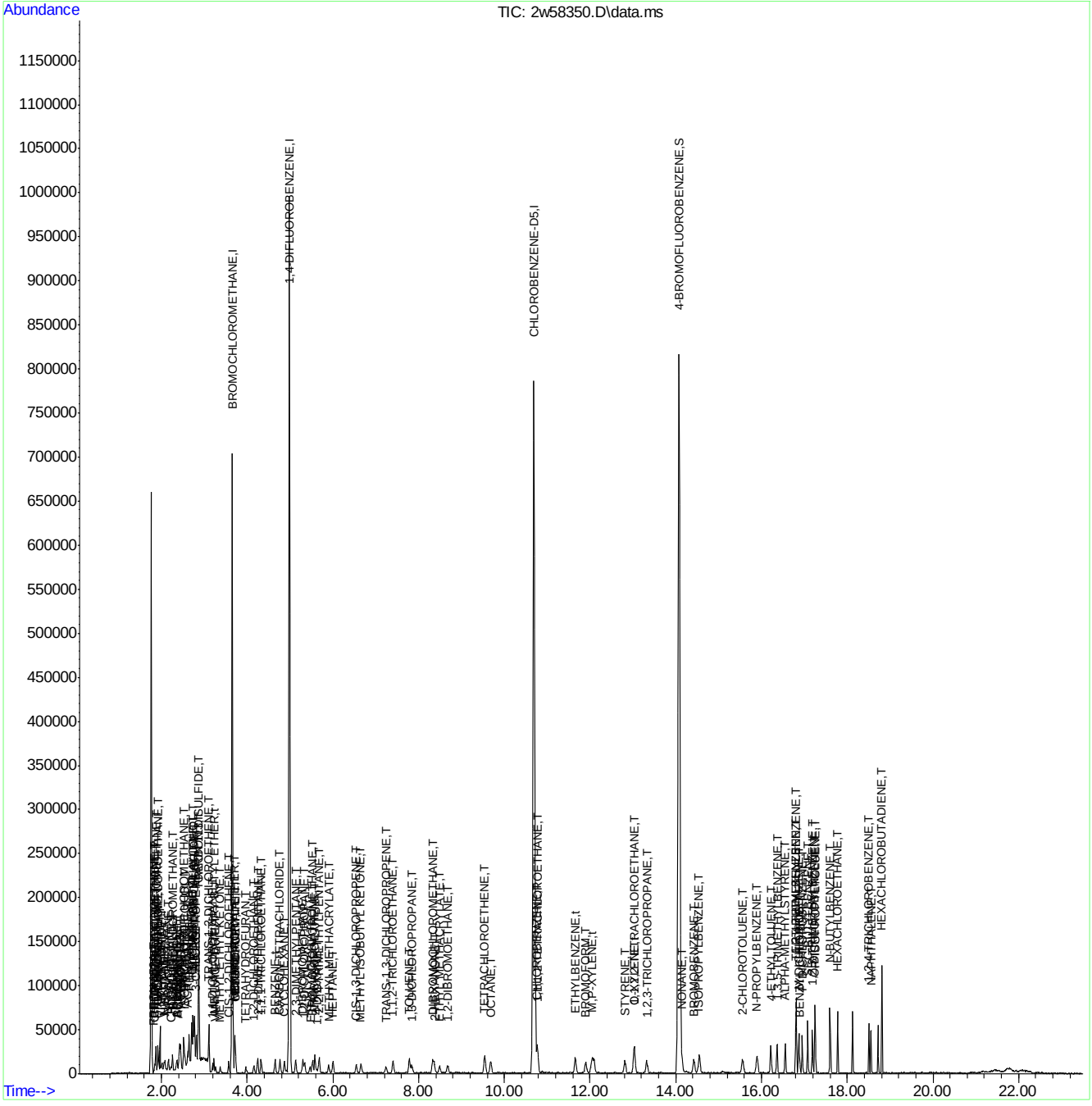
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	6352	0.17	PPBV		98
98)	M-DICHLOROBENZENE	16.871	146	13368	0.15	PPBV		96
99)	P-DICHLOROBENZENE	16.951	146	13499	0.16	PPBV		99
100)	O-DICHLOROBENZENE	17.244	146	13911	0.16	PPBV		95
101)	SEC-BUTYLBENZENE	17.080	134	6369	0.16	PPBV		85
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	18123	0.15	PPBV	#	92
103)	P-ISOPROPYLTOLUENE	17.257	134	6650	0.14	PPBV		93
104)	N-BUTYLBENZENE	17.598	134	6144	0.14	PPBV		97
105)	HEXACHLOROETHANE	17.775	117	7233	0.13	PPBV		96
106)	HEXACHLOROBUTADIENE	18.810	225	11153	0.16	PPBV		98
107)	1,2,4-TRICHLOROBENZENE	18.508	180	10262	0.15	PPBV		94
108)	NAPHTHALENE	18.556	128	22124	0.15	PPBV		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58350.D
Acq On : 18 Mar 2022 8:15 pm
Operator : thomash
Sample : ic2599-0.2
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:53:00 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:38:49 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58351.D
Acq On : 18 Mar 2022 8:50 pm
Operator : thomash
Sample : ic2599-0.1
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:37 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	167149	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	869549	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	779098	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	457760	8.49	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.814	65	435	0.10	PPBV	#	89
4) CHLORODIFLUOROMETHANE	1.830	67	217	0.08	PPBV	#	39
5) CHLOROTRIFLUOROETHENE	1.846	116	1876	0.11	PPBV	#	85
6) DICHLORODIFLUOROMETHANE	1.865	85	7731	0.10	PPBV	#	97
8) 1-CHLORO-1,1-DIFLUOROE...	1.917	65	6103	0.10	PPBV	#	51
9) FREON 114	1.962	85	7993	0.10	PPBV		97
11) VINYL CHLORIDE	2.007	62	2392	0.11	PPBV	#	95
12) 1,3-BUTADIENE	2.049	54	1725	0.12	PPBV	#	73
13) N-BUTANE	2.074	43	2680	0.11	PPBV	#	88
14) BROMOMETHANE	2.151	94	2895	0.12	PPBV	#	99
15) CHLOROETHANE	2.219	64	1277	0.12	PPBV	#	72
16) DICHLOROFLUOROMETHANE	2.254	67	4946	0.10	PPBV	#	91
18) ACROLEIN	2.399	56	983	0.12	PPBV	#	68
19) FREON 123	2.412	83	5717	0.10	PPBV	#	93
20) FREON 123A	2.434	117	3653	0.10	PPBV		94
21) TRICHLOROFLUOROMETHANE	2.518	101	8609	0.09	PPBV	#	98
24) PENTANE	2.640	42	4026	0.13	PPBV		96
25) IODOMETHANE	2.704	142	16983	0.11	PPBV		98
26) 1,1-DICHLOROETHYLENE	2.727	96	6182	0.11	PPBV		96
27) CARBON DISULFIDE	2.868	76	17885	0.10	PPBV	#	86
29) BROMOETHENE	2.354	106	2566	0.11	PPBV	#	86
30) ACRYLONITRILE	2.614	52	3011	0.13	PPBV	#	81
32) 3-CHLOROPROPENE	2.807	76	2761	0.10	PPBV	#	74
33) FREON 113	2.862	151	11038	0.10	PPBV		91
34) TRANS-1,2-DICHLOROETHENE	3.106	96	6500	0.12	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.746	59	10157	0.12	PPBV	#	75
36) METHYL TERTIARY BUTYL ...	3.222	73	4624	0.09	PPBV	#	88
37) TETRAHYDROFURAN	3.962	72	845	0.08	PPBV		92
38) HEXANE	3.704	57	2855	0.08	PPBV	#	83
39) VINYL ACETATE	3.254	86	499	0.09	PPBV	#	77
40) 1,1-DICHLOROETHANE	3.187	63	2983	0.10	PPBV	#	95
41) METHYL ETHYL KETONE	3.373	72	1105	0.11	PPBV	#	67
42) CIS-1,2-DICHLOROETHENE	3.573	96	2598	0.11	PPBV		92
43) DIISOPROPYL ETHER	3.711	59	989	0.09	PPBV	#	43
44) ETHYL ACETATE	3.717	61	566	0.07	PPBV		73
45) METHYL ACRYLATE	3.701	55	3457	0.09	PPBV	#	94
46) CHLOROFORM	3.727	83	4782	0.09	PPBV	#	91
47) 2,4-DIMETHYLPENTANE	4.241	57	3270	0.10	PPBV		97
48) 1,1,1-TRICHLOROETHANE	4.325	97	4630	0.10	PPBV		95
49) CARBON TETRACHLORIDE	4.762	117	4466	0.09	PPBV		99
50) 1,2-DICHLOROETHANE	4.151	62	2605	0.09	PPBV		94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58351.D
Acq On : 18 Mar 2022 8:50 pm
Operator : thomash
Sample : ic2599-0.1
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:37 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
51) BENZENE	4.646	78	6487	0.09	PPBV		95
53) CYCLOHEXANE	4.868	84	3069	0.10	PPBV	#	84
54) 2,3-DIMETHYLPENTANE	5.129	71	1431	0.10	PPBV	#	96
55) TRICHLOROETHENE	5.579	95	3143	0.09	PPBV		92
56) 1,2-DICHLOROPROPANE	5.347	63	2321	0.10	PPBV	#	80
57) DIBROMOMETHANE	5.296	174	3737	0.12	PPBV		94
58) ETHYL ACRYLATE	5.466	55	3758	0.09	PPBV	#	97
59) BROMODICHLOROMETHANE	5.524	83	4805	0.09	PPBV		95
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	8918	0.09	PPBV		99
61) 1,4-DIOXANE	5.630	88	2074	0.12	PPBV	#	57
62) HEPTANE	6.000	43	2453	0.08	PPBV	#	87
63) METHYL METHACRYLATE	5.900	69	1992	0.07	PPBV		87
64) METHYL ISOBUTYL KETONE	6.643	58	1566	0.08	PPBV	#	1
65) CIS-1,3-DICHLOROPROPENE	6.540	75	3045	0.08	PPBV	#	91
66) TOLUENE	7.781	91	8305	0.09	PPBV		99
67) 1,3-DICHLOROPROPANE	7.839	76	3871	0.09	PPBV	#	97
68) TRANS-1,3-DICHLOROPROPENE	7.241	75	2659	0.08	PPBV	#	75
69) 1,1,2-TRICHLOROETHANE	7.402	83	2587	0.10	PPBV		96
70) 2-HEXANONE	8.367	58	2109	0.08	PPBV	#	81
71) ETHYL METHACRYLATE	8.486	69	3397	0.07	PPBV	#	93
72) TETRACHLOROETHENE	9.543	164	3521	0.09	PPBV	#	93
73) DIBROMOCHLOROMETHANE	8.328	129	5029	0.08	PPBV		95
74) 1,2-DIBROMOETHANE	8.678	107	4504	0.08	PPBV	#	96
75) OCTANE	9.682	43	3705	0.09	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	10.772	131	3749	0.09	PPBV		96
78) CHLOROBENZENE	10.768	112	7299	0.09	PPBV		90
79) ETHYLBENZENE	11.659	91	11286	0.09	PPBV		98
80) M,P-XYLENE	12.087	91	15490	0.16	PPBV		91
81) O-XYLENE	13.032	91	7840	0.08	PPBV		99
82) STYRENE	12.810	104	5984	0.08	PPBV		99
83) NONANE	14.148	43	4142	0.10	PPBV	#	27
84) BROMOFORM	11.897	173	4457	0.08	PPBV	#	95
85) 1,1,2,2-TETRACHLOROETHANE	13.035	83	6356	0.08	PPBV	#	97
86) 1,2,3-TRICHLOROPROPANE	13.331	75	4407	0.09	PPBV	#	99
88) ISOPROPYLBENZENE	14.553	120	3382	0.08	PPBV		86
89) BROMOBENZENE	14.427	77	5324	0.08	PPBV		87
90) 2-CHLOROTOLUENE	15.562	126	3079	0.08	PPBV		100
91) N-PROPYLBENZENE	15.894	120	3417	0.08	PPBV	#	90
92) 4-ETHYLTOLUENE	16.222	105	11071	0.07	PPBV	#	97
93) 1,3,5-TRIMETHYLBENZENE	16.360	105	8940	0.07	PPBV	#	97
94) ALPHA-METHYLSTYRENE	16.556	118	4994	0.07	PPBV		93
95) TERT-BUTYLBENZENE	16.797	134	2592	0.07	PPBV		93
96) 1,2,4-TRIMETHYLBENZENE	16.810	105	8954	0.06	PPBV		93
97) BENZYL CHLORIDE	16.894	91	2964	0.04	PPBV		97
98) M-DICHLOROBENZENE	16.871	146	6491	0.06	PPBV		93
99) P-DICHLOROBENZENE	16.955	146	6639	0.06	PPBV		99
100) O-DICHLOROBENZENE	17.244	146	6663	0.06	PPBV		97
101) SEC-BUTYLBENZENE	17.074	134	3024	0.06	PPBV		96
102) 1,2,3-TRIMETHYLBENZENE	17.189	105	8805	0.06	PPBV		92
103) P-ISOPROPYLTOLUENE	17.254	134	3247	0.06	PPBV		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58351.D
Acq On : 18 Mar 2022 8:50 pm
Operator : thomash
Sample : ic2599-0.1
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:37 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

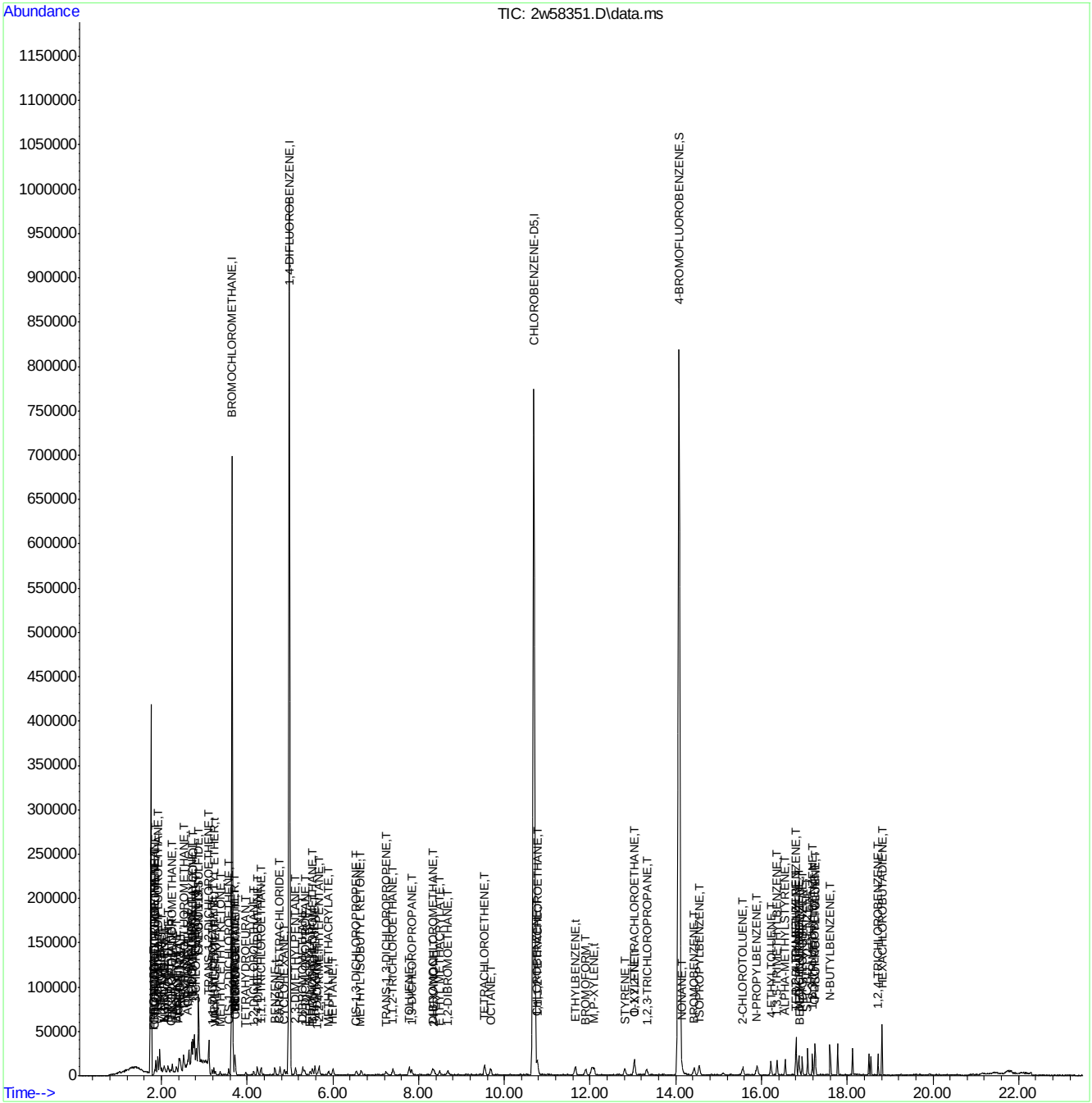
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
104) N-BUTYLBENZENE	17.598	134	2674	0.05	PPBV	97
106) HEXACHLOROBUTADIENE	18.816	225	5053	0.07	PPBV	98
107) 1,2,4-TRICHLOROBENZENE	18.720	180	3975	0.05	PPBV	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58351.D
Acq On : 18 Mar 2022 8:50 pm
Operator : thomash
Sample : ic2599-0.1
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:37 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 03/23/22 20:46

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	161907	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	843824	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	756941	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	444839	8.49	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	206	0.05	PPBV	#	44
5) CHLOROTRIFLUOROETHENE	1.849	116	833	0.05	PPBV	#	84
6) DICHLORODIFLUOROMETHANE	1.878	85	2997	0.04	PPBV	#	94
8) 1-CHLORO-1,1-DIFLUOROE...	1.923	65	2305	0.04	PPBV	#	1
9) FREON 114	1.975	85	3232	0.04	PPBV	#	85
11) VINYL CHLORIDE	2.013	62	971	0.05	PPBV	#	70
12) 1,3-BUTADIENE	2.055	54	685	0.05	PPBV	#	64
13) N-BUTANE	2.087	43	1252	0.06	PPBV	#	84
14) BROMOMETHANE	2.168	94	1123	0.05	PPBV		88
15) CHLOROETHANE	2.232	64	488	0.05	PPBV	#	66
16) DICHLOROFLUOROMETHANE	2.264	67	2044	0.04	PPBV	#	91
19) FREON 123	2.422	83	2304	0.04	PPBV		92
20) FREON 123A	2.451	117	1462	0.04	PPBV		90
21) TRICHLOROFLUOROMETHANE	2.528	101	3546	0.04	PPBV	#	90
24) PENTANE	2.640	42	1983	0.06	PPBV		96
25) IODOMETHANE	2.708	142	6596	0.04	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.737	96	2826	0.05	PPBV		89
27) CARBON DISULFIDE	2.872	76	7443	0.04	PPBV	#	85
29) BROMOETHENE	2.364	106	1134	0.05	PPBV	#	86
30) ACRYLONITRILE	2.618	52	1271	0.06	PPBV	#	74
32) 3-CHLOROPROPENE	2.811	76	1516	0.06	PPBV	#	86
33) FREON 113	2.869	151	5037	0.05	PPBV		94
34) TRANS-1,2-DICHLOROETHENE	3.103	96	1753	0.03	PPBV		91
35) TERTIARY BUTYL ALCOHOL	2.750	59	3548	0.04	PPBV	#	64
36) METHYL TERTIARY BUTYL ...	3.229	73	1934	0.04	PPBV	#	69
37) TETRAHYDROFURAN	3.975	72	250	0.02	PPBV	#	39
38) HEXANE	3.705	57	1164	0.03	PPBV	#	83
39) VINYL ACETATE	3.258	86	141	0.03	PPBV	#	1
40) 1,1-DICHLOROETHANE	3.187	63	1100	0.04	PPBV		94
41) METHYL ETHYL KETONE	3.370	72	482	0.05	PPBV	#	66
42) CIS-1,2-DICHLOROETHENE	3.573	96	1048	0.04	PPBV		92
45) METHYL ACRYLATE	3.708	55	1165	0.03	PPBV	#	65
46) CHLOROFORM	3.727	83	2012	0.04	PPBV	#	85
47) 2,4-DIMETHYLPENTANE	4.245	57	1345	0.04	PPBV		99
48) 1,1,1-TRICHLOROETHANE	4.319	97	2069	0.04	PPBV		91
49) CARBON TETRACHLORIDE	4.766	117	1558	0.03	PPBV		96
50) 1,2-DICHLOROETHANE	4.148	62	1140	0.04	PPBV	#	87
51) BENZENE	4.647	78	3098	0.05	PPBV	#	81
53) CYCLOHEXANE	4.865	84	1253	0.04	PPBV		88
54) 2,3-DIMETHYLPENTANE	5.132	71	553	0.04	PPBV	#	91
55) TRICHLOROETHENE	5.586	95	1285	0.04	PPBV		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

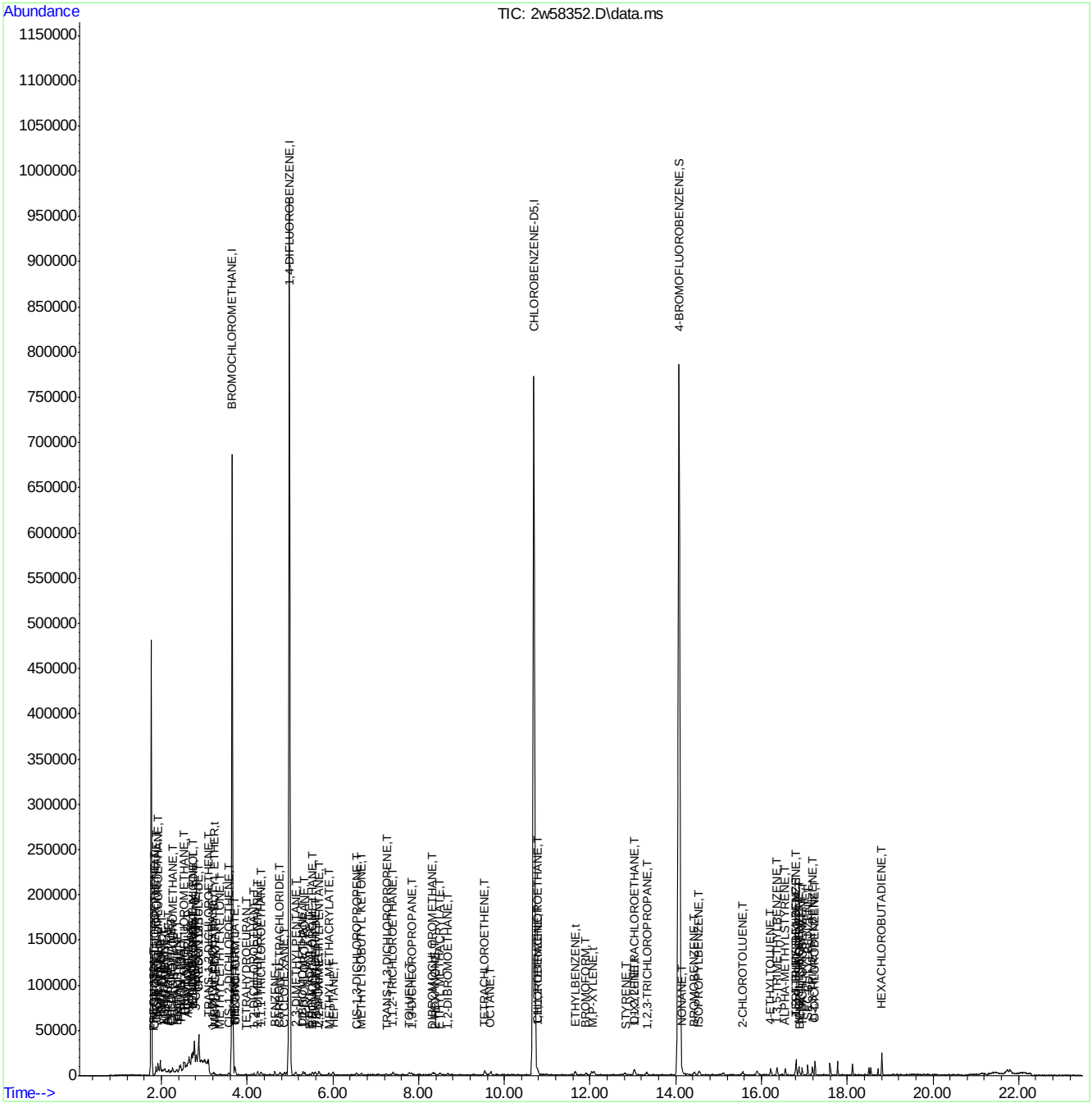
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
56)	1,2-DICHLOROPROPANE	5.344	63	757	0.03	PPBV	#	78
57)	DIBROMOMETHANE	5.296	174	1561	0.05	PPBV		94
58)	ETHYL ACRYLATE	5.463	55	1427	0.03	PPBV	#	81
59)	BROMODICHLOROMETHANE	5.521	83	1762	0.03	PPBV	#	78
60)	2,2,4-TRIMETHYLPENTANE	5.679	57	3819	0.04	PPBV	#	95
61)	1,4-DIOXANE	5.647	88	669	0.04	PPBV	#	34
62)	HEPTANE	6.010	43	1164	0.04	PPBV	#	49
63)	METHYL METHACRYLATE	5.907	69	871	0.03	PPBV	#	77
64)	METHYL ISOBUTYL KETONE	6.653	58	615	0.03	PPBV	#	1
65)	CIS-1,3-DICHLOROPROPENE	6.547	75	1380	0.04	PPBV	#	65
66)	TOLUENE	7.785	91	3095	0.03	PPBV		98
67)	1,3-DICHLOROPROPANE	7.846	76	1425	0.03	PPBV	#	88
68)	TRANS-1,3-DICHLOROPROPENE	7.254	75	1142	0.03	PPBV	#	73
69)	1,1,2-TRICHLOROETHANE	7.402	83	1044	0.04	PPBV		83
70)	2-HEXANONE	8.376	58	974	0.04	PPBV	#	93
71)	ETHYL METHACRYLATE	8.489	69	1426	0.03	PPBV	#	82
72)	TETRACHLOROETHENE	9.547	164	1395	0.04	PPBV		89
73)	DIBROMOCHLOROMETHANE	8.322	129	1821	0.03	PPBV	#	21
74)	1,2-DIBROMOETHANE	8.688	107	1389	0.03	PPBV	#	75
75)	OCTANE	9.672	43	1577	0.04	PPBV	#	42
77)	1,1,1,2-TETRACHLOROETHANE	10.778	131	1292	0.03	PPBV	#	79
78)	CHLOROBENZENE	10.775	112	3063	0.04	PPBV	#	87
79)	ETHYLBENZENE	11.653	91	4311	0.04	PPBV		100
80)	M,P-XYLENE	12.077	91	6616	0.07	PPBV	#	42
81)	O-XYLENE	13.026	91	3240	0.03	PPBV		95
82)	STYRENE	12.830	104	2395	0.03	PPBV	#	66
83)	NONANE	14.151	43	1715	0.04	PPBV	#	21
84)	BROMOFORM	11.900	173	1855	0.03	PPBV	#	59
85)	1,1,2,2-TETRACHLOROETHANE	13.039	83	2469m	0.03	PPBV		
86)	1,2,3-TRICHLOROPROPANE	13.331	75	1701	0.03	PPBV	#	99
88)	ISOPROPYLBENZENE	14.534	120	1268	0.03	PPBV	#	52
89)	BROMOBENZENE	14.431	77	2095	0.03	PPBV	#	78
90)	2-CHLOROTOLUENE	15.559	126	1144	0.03	PPBV	#	42
92)	4-ETHYLTOLUENE	16.215	105	4792	0.03	PPBV	#	98
93)	1,3,5-TRIMETHYLBENZENE	16.363	105	3740	0.03	PPBV	#	98
94)	ALPHA-METHYLSTYRENE	16.553	118	1814	0.03	PPBV		91
95)	TERT-BUTYLBENZENE	16.804	134	1179	0.03	PPBV		77
96)	1,2,4-TRIMETHYLBENZENE	16.810	105	3834	0.03	PPBV		95
97)	BENZYL CHLORIDE	16.891	91	1254	0.02	PPBV	#	83
98)	M-DICHLOROBENZENE	16.868	146	2454m	0.02	PPBV		
99)	P-DICHLOROBENZENE	16.952	146	2527	0.02	PPBV		96
100)	O-DICHLOROBENZENE	17.241	146	2442	0.02	PPBV		96
101)	SEC-BUTYLBENZENE	17.077	134	1241	0.03	PPBV		75
102)	1,2,3-TRIMETHYLBENZENE	17.186	105	3531	0.02	PPBV	#	93
106)	HEXACHLOROBUTADIENE	18.810	225	2211	0.03	PPBV		90

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Manual Integration Approval Summary

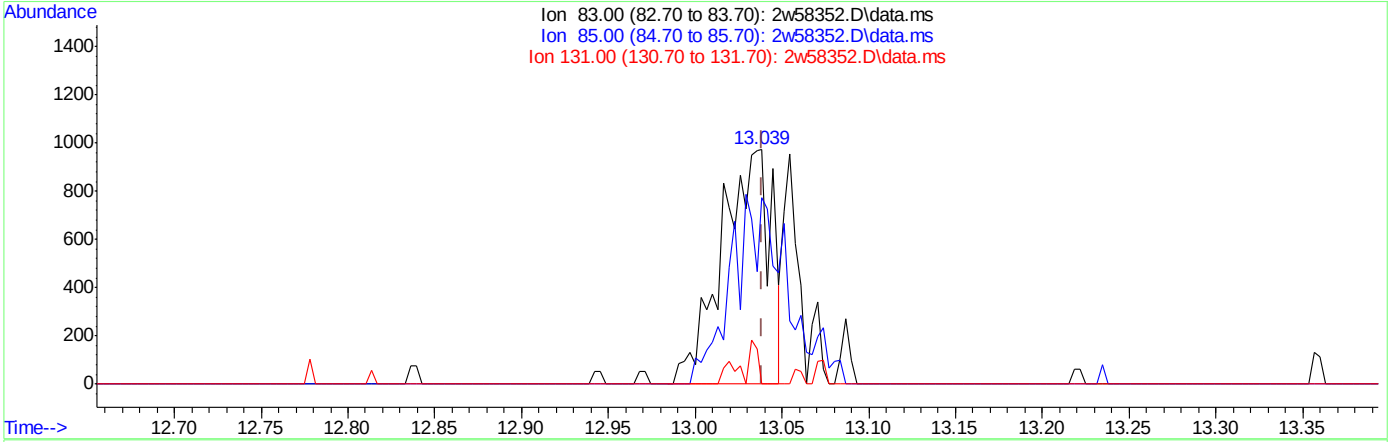
Sample Number: V2W2599-IC2599 **Method:** TO-15
Lab FileID: 2W58352.D **Analyst approved:** 03/21/22 08:59 Thomas Hilbig
Injection Time: 03/18/22 21:26 **Supervisor approved:** 03/23/22 20:46 Kanya Veerawat

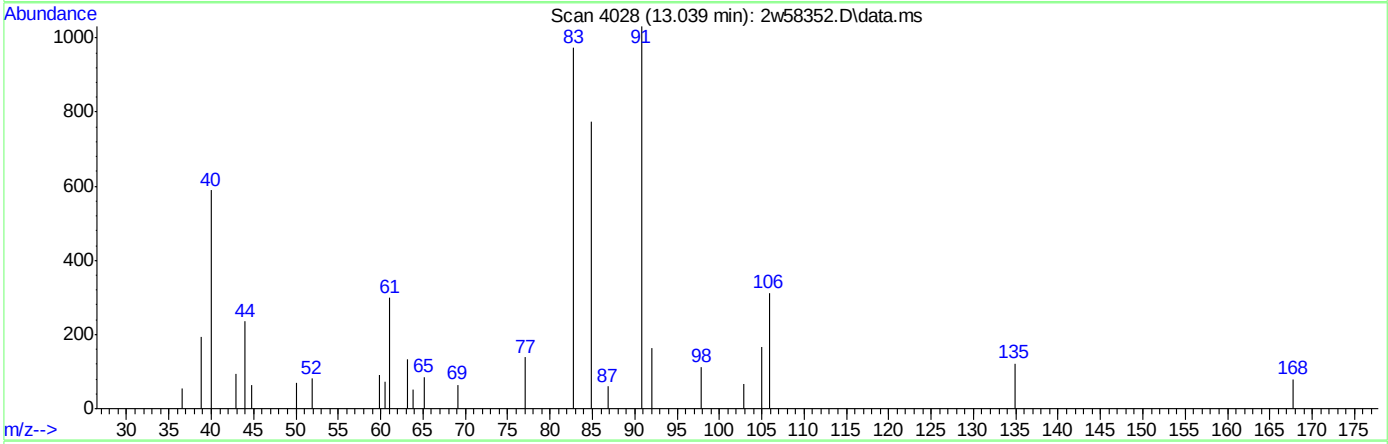
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,1,2,2-Tetrachloroethane	79-34-5		13.04	Split peak
m-Dichlorobenzene	541-73-1		16.87	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\Raw DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:17:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 09:12:52 2022
Response via : Initial Calibration





TIC: 2w58352.D\data.ms

(85) 1,1,2,2-TETRACHLOROETHANE (T)

13.039min (+0.000) 0.03PPBV

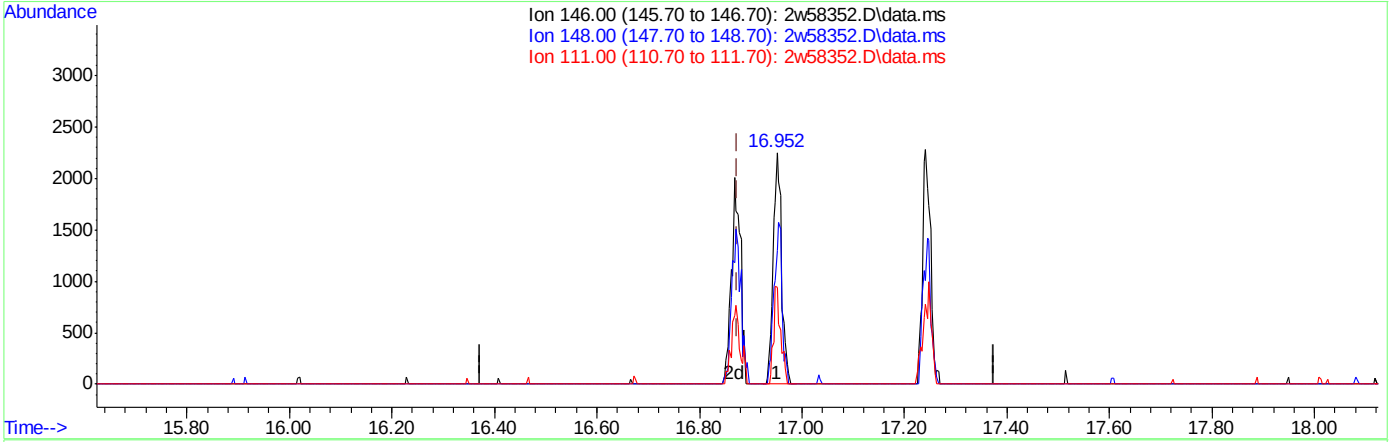
response 1956

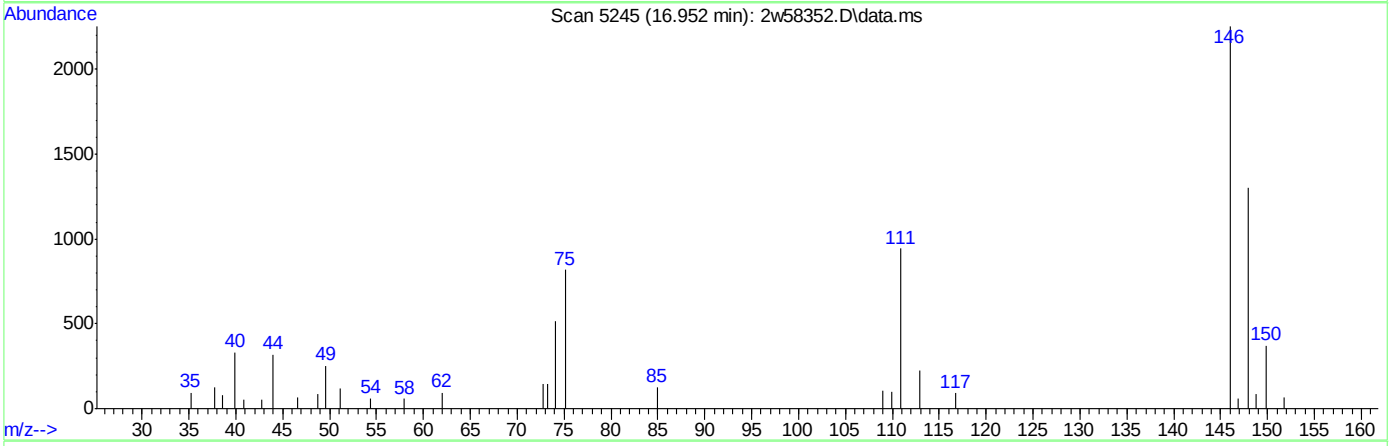
Ion	Exp%	Act%
83.00	100	100
85.00	64.50	90.39#
131.00	9.80	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\Raw DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 21 08:17:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 09:12:52 2022
Response via : Initial Calibration





TIC: 2w58352.D\data.ms

(98) M-DICHLOROBENZENE (T)

16.952min (+0.077) 0.03PPBV

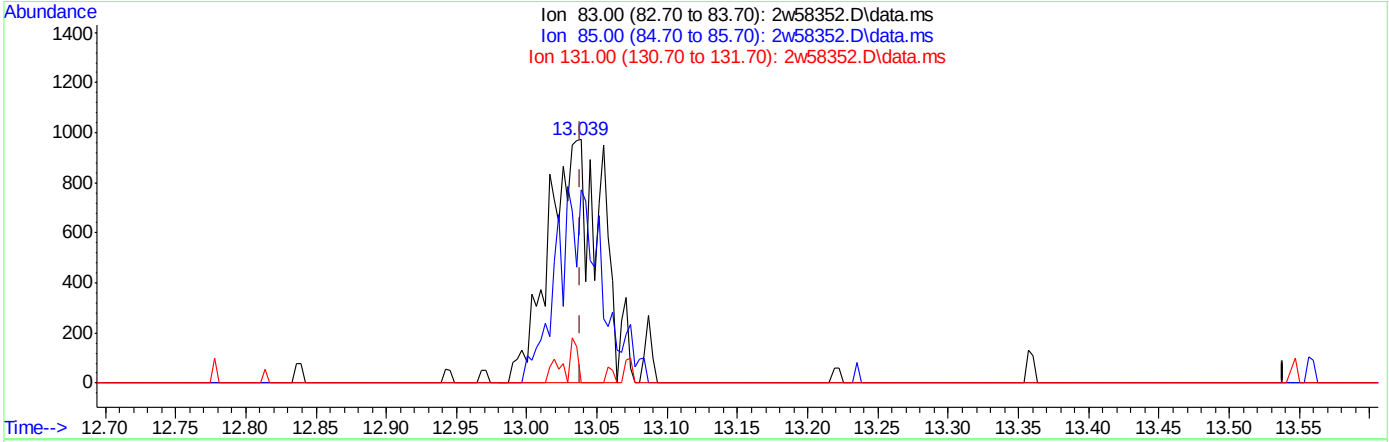
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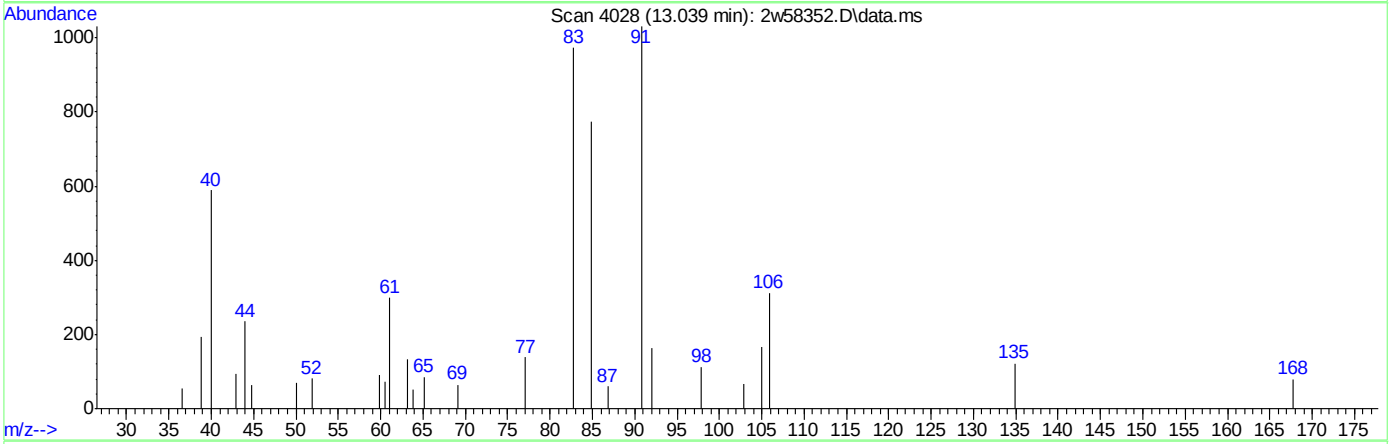
Ion	Exp%	Act%
146.00	100	100
148.00	63.80	67.43
111.00	38.20	35.34
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration





TIC: 2w58352.D\data.ms

(85) 1,1,2,2-TETRACHLOROETHANE (T)

13.039min (+0.000) 0.03PPBV m

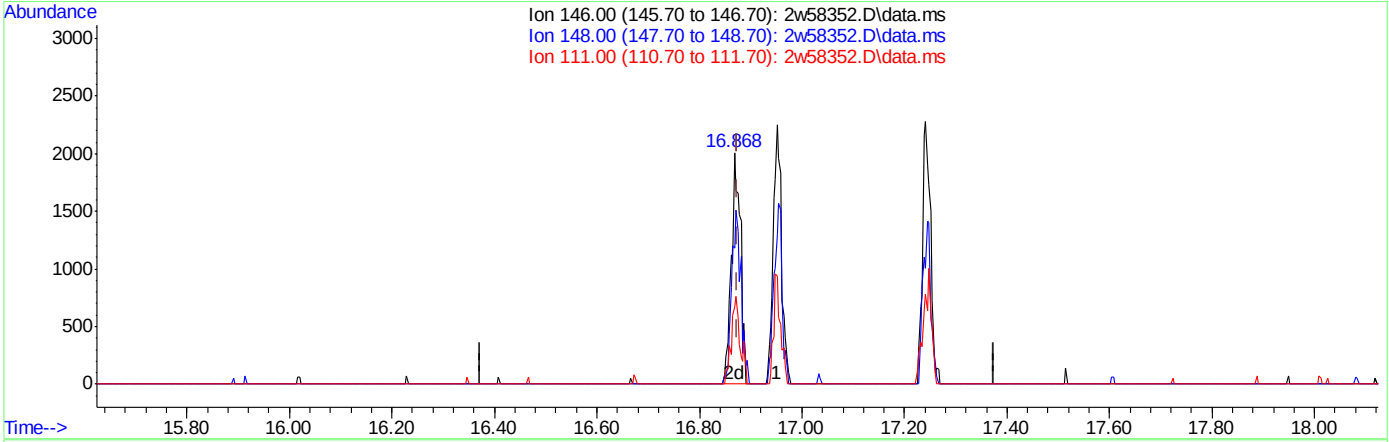
response 2469

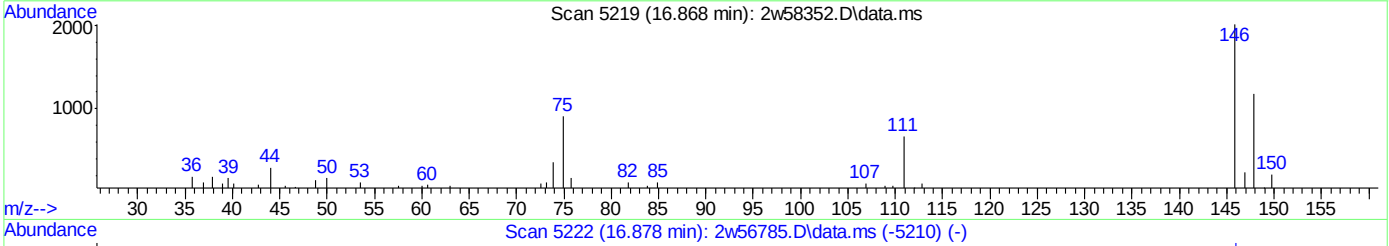
Ion	Exp%	Act%
83.00	100	100
85.00	64.50	71.61
131.00	9.80	0.00#
0.00	0.00	0.00

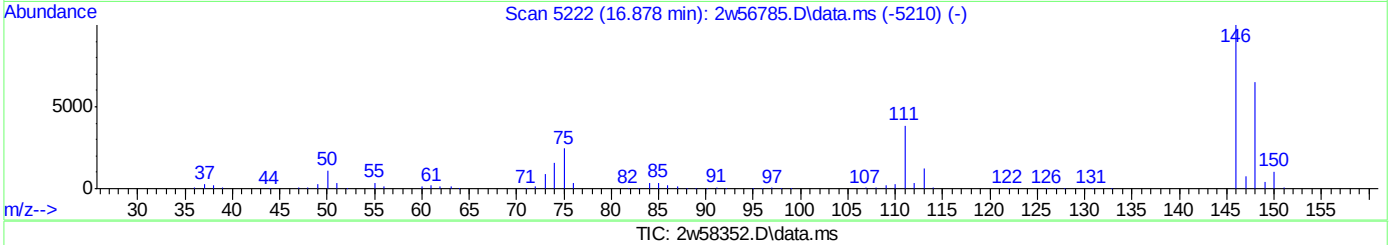
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58352.D
Acq On : 18 Mar 2022 9:26 pm
Operator : thomash
Sample : ic2599-0.04
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 19 11:41:48 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration







TIC: 2w58352.D\data.ms

(98) M-DICHLOROBENZENE (T)

16.868min (-0.006) 0.02PPBV m

response 2454

Ion	Exp%	Act%
146.00	100	100
148.00	63.80	69.44
111.00	38.20	36.39
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58353.D
Acq On : 18 Mar 2022 10:02 pm
Operator : thomash
Sample : ic2599-5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 09:00:06 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	172839	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	881609	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	836687	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	549681	9.49	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	23635	5.09	PPBV		91
4) CHLORODIFLUOROMETHANE	1.836	67	12965	4.86	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.852	116	88627	4.91	PPBV	#	99
6) DICHLORODIFLUOROMETHANE	1.875	85	387563	5.06	PPBV	#	97
7) PROPYLENE	1.849	41	21149	4.96	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.923	65	315178	5.24	PPBV		94
9) FREON 114	1.968	85	413165	5.10	PPBV		94
10) CHLOROMETHANE	1.930	52	30269	5.27	PPBV		99
11) VINYL CHLORIDE	2.010	62	117644	5.28	PPBV		99
12) 1,3-BUTADIENE	2.065	54	76905	5.05	PPBV	#	86
13) N-BUTANE	2.084	43	124869	5.17	PPBV		98
14) BROMOMETHANE	2.164	94	130249	5.19	PPBV		98
15) CHLOROETHANE	2.229	64	56392	5.26	PPBV		94
16) DICHLOROFLUOROMETHANE	2.261	67	246524	5.03	PPBV	#	97
17) ACETONITRILE	2.351	41	57510	5.03	PPBV		92
18) ACROLEIN	2.402	56	43587	5.24	PPBV		99
19) FREON 123	2.422	83	301388	5.13	PPBV		96
20) FREON 123A	2.444	117	191581	5.10	PPBV		89
21) TRICHLOROFLUOROMETHANE	2.524	101	481878	5.12	PPBV		99
22) ISOPROPYL ALCOHOL	2.541	45	253082	5.57	PPBV		95
23) ACETONE	2.457	58	52121	5.23	PPBV		75
24) PENTANE	2.647	42	177351	5.34	PPBV		97
25) IODOMETHANE	2.704	142	852275	5.19	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.733	96	309180	5.27	PPBV		99
27) CARBON DISULFIDE	2.868	76	945817	5.25	PPBV	#	85
28) ETHANOL	2.267	45	29908	5.14	PPBV	#	98
29) BROMOETHENE	2.364	106	127903	5.10	PPBV	#	97
30) ACRYLONITRILE	2.614	52	126403	5.28	PPBV		98
31) METHYLENE CHLORIDE	2.772	84	289820	5.47	PPBV		99
32) 3-CHLOROPROPENE	2.814	76	147272	5.38	PPBV		92
33) FREON 113	2.868	151	610042	5.19	PPBV		98
34) TRANS-1,2-DICHLOROETHENE	3.106	96	230459	4.28	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.743	59	496139	5.68	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	3.222	73	258191	4.85	PPBV		99
37) TETRAHYDROFURAN	3.949	72	51095	4.65	PPBV		92
38) HEXANE	3.708	57	155667	4.35	PPBV	#	87
39) VINYL ACETATE	3.264	86	27481	4.61	PPBV		68
40) 1,1-DICHLOROETHANE	3.190	63	151547	4.94	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	51579	4.93	PPBV		84
42) CIS-1,2-DICHLOROETHENE	3.573	96	125509	4.94	PPBV		93
43) DIISOPROPYL ETHER	3.711	59	46514	4.28	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58353.D
Acq On : 18 Mar 2022 10:02 pm
Operator : thomash
Sample : ic2599-5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 09:00:06 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	33428	4.22	PPBV		94
45) METHYL ACRYLATE	3.701	55	179927	4.37	PPBV	#	100
46) CHLOROFORM	3.727	83	264191	4.65	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.241	57	169856	4.78	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.325	97	241851	4.85	PPBV		99
49) CARBON TETRACHLORIDE	4.769	117	247065	4.78	PPBV		99
50) 1,2-DICHLOROETHANE	4.155	62	148780	4.96	PPBV		98
51) BENZENE	4.650	78	346151	4.89	PPBV		98
53) CYCLOHEXANE	4.872	84	153199	4.95	PPBV		85
54) 2,3-DIMETHYLPENTANE	5.132	71	73850	4.85	PPBV		95
55) TRICHLOROETHENE	5.582	95	164808	4.67	PPBV		95
56) 1,2-DICHLOROPROPANE	5.338	63	113063	4.97	PPBV	#	90
57) DIBROMOMETHANE	5.302	174	163350	4.97	PPBV		97
58) ETHYL ACRYLATE	5.460	55	211382	4.75	PPBV		97
59) BROMODICHLOROMETHANE	5.524	83	269359	4.72	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	466037	4.66	PPBV	#	99
61) 1,4-DIOXANE	5.592	88	82260	4.56	PPBV		90
62) HEPTANE	6.007	43	137195	4.52	PPBV		89
63) METHYL METHACRYLATE	5.894	69	125014	4.60	PPBV		99
64) METHYL ISOBUTYL KETONE	6.650	58	89369	4.51	PPBV	#	90
65) CIS-1,3-DICHLOROPROPENE	6.550	75	182506	4.69	PPBV	#	91
66) TOLUENE	7.781	91	452172	4.62	PPBV		98
67) 1,3-DICHLOROPROPANE	7.839	76	211613	4.67	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.238	75	158160	4.60	PPBV	#	92
69) 1,1,2-TRICHLOROETHANE	7.405	83	131436	4.83	PPBV		98
70) 2-HEXANONE	8.347	58	116541	4.32	PPBV		90
71) ETHYL METHACRYLATE	8.489	69	200069	4.23	PPBV		95
72) TETRACHLOROETHENE	9.547	164	186993	4.65	PPBV		99
73) DIBROMOCHLOROMETHANE	8.328	129	287068	4.51	PPBV		99
74) 1,2-DIBROMOETHANE	8.679	107	249669	4.31	PPBV		99
75) OCTANE	9.685	43	190140	4.45	PPBV		91
77) 1,1,1,2-TETRACHLOROETHANE	10.778	131	204659	4.65	PPBV		99
78) CHLOROBENZENE	10.765	112	400045	4.78	PPBV		96
79) ETHYLBENZENE	11.656	91	610940	4.78	PPBV		98
80) M,P-XYLENE	12.090	91	971854	9.25	PPBV		99
81) O-XYLENE	13.032	91	507816	4.66	PPBV		98
82) STYRENE	12.813	104	387123	4.61	PPBV		99
83) NONANE	14.148	43	226036	4.90	PPBV		97
84) BROMOFORM	11.903	173	279588	4.54	PPBV		98
85) 1,1,2,2-TETRACHLOROETHANE	13.035	83	371001	4.61	PPBV		97
86) 1,2,3-TRICHLOROPROPANE	13.325	75	255644	4.64	PPBV	#	100
88) ISOPROPYLBENZENE	14.550	120	220764	4.70	PPBV		99
89) BROMOBENZENE	14.424	77	327952	4.73	PPBV		88
90) 2-CHLOROTOLUENE	15.563	126	192626	4.70	PPBV		98
91) N-PROPYLBENZENE	15.900	120	224162	4.73	PPBV		99
92) 4-ETHYLTOLUENE	16.222	105	801109	4.66	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	673264	4.63	PPBV		99
94) ALPHA-METHYLSTYRENE	16.553	118	364593	4.55	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	183652	4.52	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	749827	4.51	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58353.D
Acq On : 18 Mar 2022 10:02 pm
Operator : thomash
Sample : ic2599-5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 09:00:06 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

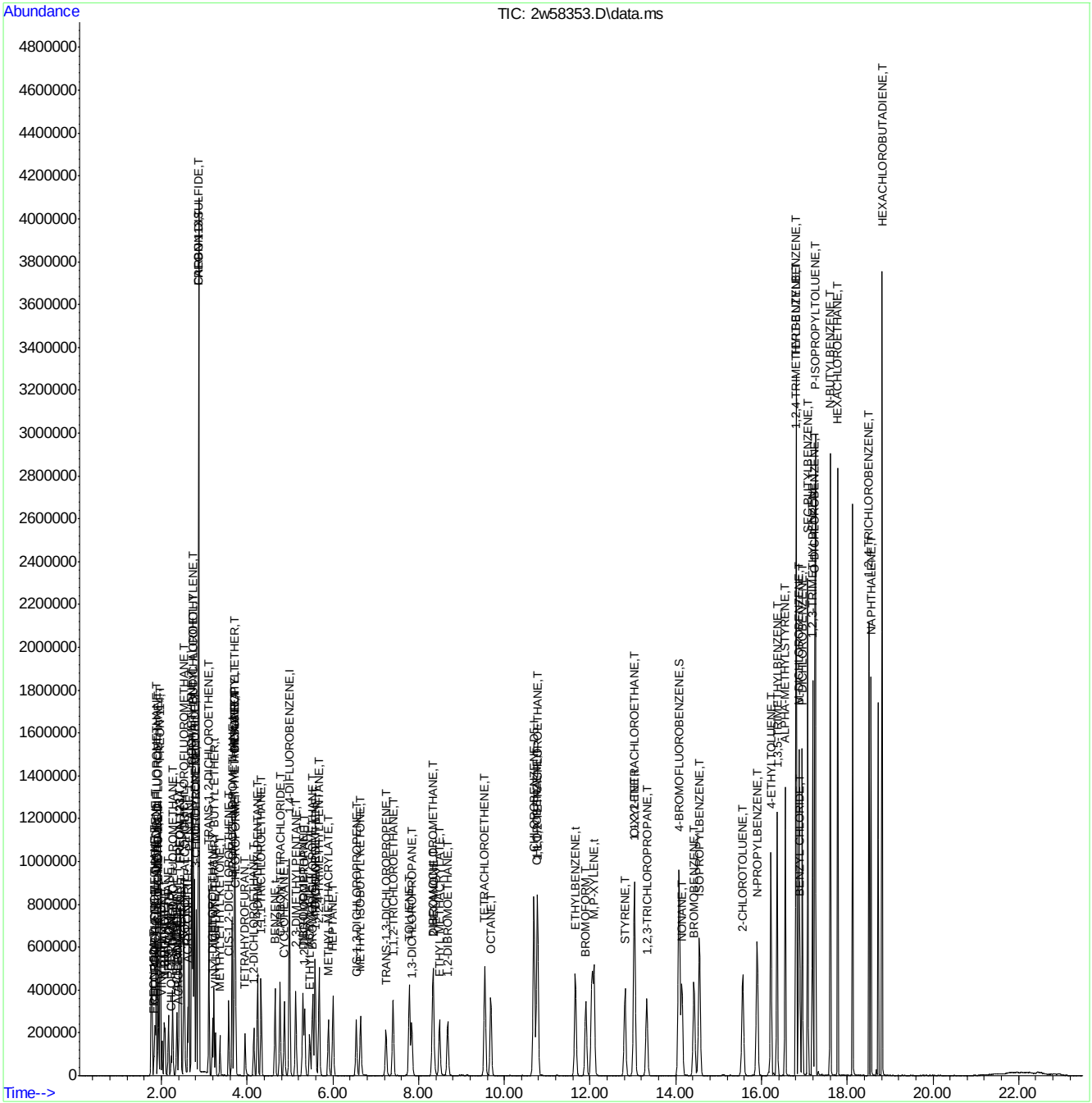
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.894	91	322691	3.75	PPBV	98
98)	M-DICHLOROBENZENE	16.871	146	496097	4.53	PPBV	99
99)	P-DICHLOROBENZENE	16.955	146	489200	4.36	PPBV	99
100)	O-DICHLOROBENZENE	17.244	146	500771	4.49	PPBV	100
101)	SEC-BUTYLBENZENE	17.080	134	236925	4.49	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	17.189	105	733407	4.65	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.257	134	281251	4.60	PPBV	93
104)	N-BUTYLBENZENE	17.601	134	251983	4.62	PPBV	93
105)	HEXACHLOROETHANE	17.781	117	313757	4.57	PPBV	96
106)	HEXACHLOROBUTADIENE	18.816	225	360796	4.45	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.508	180	377619	4.59	PPBV	99
108)	NAPHTHALENE	18.559	128	864012	4.66	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58353.D
Acq On : 18 Mar 2022 10:02 pm
Operator : thomash
Sample : ic2599-5
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 09:00:06 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58354.D
Acq On : 18 Mar 2022 10:38 pm
Operator : thomash
Sample : icc2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:37:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	189435	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	969216	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	956561	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	665568	10.05	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	50868	10.00	PPBV	#	85
4) CHLORODIFLUOROMETHANE	1.836	67	29152	9.98	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.849	116	198031	10.00	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	839145	10.00	PPBV	#	96
7) PROPYLENE	1.846	41	46751	10.00	PPBV		93
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	658981	10.00	PPBV		95
9) FREON 114	1.968	85	887461	9.99	PPBV		95
10) CHLOROMETHANE	1.926	52	62921	10.00	PPBV		97
11) VINYL CHLORIDE	2.010	62	243815	9.99	PPBV		100
12) 1,3-BUTADIENE	2.061	54	166844	10.00	PPBV	#	88
13) N-BUTANE	2.081	43	264526	9.98	PPBV		98
14) BROMOMETHANE	2.161	94	275050	10.00	PPBV		100
15) CHLOROETHANE	2.229	64	117595	10.00	PPBV		94
16) DICHLOROFLUOROMETHANE	2.261	67	536892	10.00	PPBV	#	98
17) ACETONITRILE	2.351	41	125351	10.01	PPBV		96
18) ACROLEIN	2.402	56	91151	10.00	PPBV		99
19) FREON 123	2.422	83	644305	10.00	PPBV		95
20) FREON 123A	2.444	117	411444	10.00	PPBV		90
21) TRICHLOROFLUOROMETHANE	2.521	101	1031059	10.00	PPBV		100
22) ISOPROPYL ALCOHOL	2.537	45	496999	9.99	PPBV		96
23) ACETONE	2.450	58	108909	9.97	PPBV	#	70
24) PENTANE	2.647	42	364213	10.00	PPBV		96
25) IODOMETHANE	2.704	142	1800816	10.00	PPBV		96
26) 1,1-DICHLOROETHYLENE	2.733	96	643288	10.00	PPBV		98
27) CARBON DISULFIDE	2.868	76	1974977	10.00	PPBV	#	92
28) ETHANOL	2.264	45	63819	10.00	PPBV	#	97
29) BROMOETHENE	2.360	106	274552	10.00	PPBV	#	97
30) ACRYLONITRILE	2.614	52	261825	9.97	PPBV		98
31) METHYLENE CHLORIDE	2.769	84	580182	10.00	PPBV		98
32) 3-CHLOROPROPENE	2.811	76	299675	9.98	PPBV		93
33) FREON 113	2.868	151	1288681	10.00	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.106	96	589588	10.00	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.740	59	958618	10.01	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	3.222	73	583688	10.00	PPBV		100
37) TETRAHYDROFURAN	3.946	72	120543	10.02	PPBV		89
38) HEXANE	3.704	57	391848	10.00	PPBV		89
39) VINYL ACETATE	3.264	86	65376	10.00	PPBV		66
40) 1,1-DICHLOROETHANE	3.190	63	335955	10.00	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	114554	10.00	PPBV		89
42) CIS-1,2-DICHLOROETHENE	3.569	96	278654	10.00	PPBV		94
43) DIISOPROPYL ETHER	3.708	59	118987	10.00	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58354.D
Acq On : 18 Mar 2022 10:38 pm
Operator : thomash
Sample : icc2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:37:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	86909	10.00	PPBV		97
45) METHYL ACRYLATE	3.701	55	451435	10.00	PPBV	#	99
46) CHLOROFORM	3.727	83	622519	10.00	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.245	57	389312	10.00	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.325	97	546649	10.00	PPBV		98
49) CARBON TETRACHLORIDE	4.765	117	566812	10.00	PPBV		99
50) 1,2-DICHLOROETHANE	4.155	62	328959	10.00	PPBV		98
51) BENZENE	4.650	78	775893	10.00	PPBV		98
53) CYCLOHEXANE	4.868	84	340516	10.00	PPBV		84
54) 2,3-DIMETHYLPENTANE	5.132	71	167499	10.00	PPBV		91
55) TRICHLOROETHENE	5.582	95	388354	10.00	PPBV		96
56) 1,2-DICHLOROPROPANE	5.341	63	250011	10.00	PPBV	#	89
57) DIBROMOMETHANE	5.302	174	361596	10.00	PPBV		97
58) ETHYL ACRYLATE	5.457	55	488921	10.00	PPBV	#	98
59) BROMODICHLOROMETHANE	5.524	83	627057	10.00	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.682	57	1099499	10.00	PPBV	#	98
61) 1,4-DIOXANE	5.589	88	198379	10.00	PPBV		89
62) HEPTANE	6.007	43	333572	10.00	PPBV		90
63) METHYL METHACRYLATE	5.894	69	298460	9.99	PPBV		99
64) METHYL ISOBUTYL KETONE	6.643	58	217813	10.00	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.547	75	427688	9.99	PPBV	#	91
66) TOLUENE	7.785	91	1075414	10.00	PPBV		98
67) 1,3-DICHLOROPROPANE	7.843	76	497838	10.00	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.238	75	378258	10.00	PPBV	#	92
69) 1,1,2-TRICHLOROETHANE	7.405	83	298922	10.00	PPBV		98
70) 2-HEXANONE	8.351	58	296533	10.00	PPBV		93
71) ETHYL METHACRYLATE	8.489	69	520072	10.00	PPBV		97
72) TETRACHLOROETHENE	9.547	164	441663	10.00	PPBV		98
73) DIBROMOCHLOROMETHANE	8.331	129	699521	10.00	PPBV		99
74) 1,2-DIBROMOETHANE	8.682	107	637289	10.00	PPBV		99
75) OCTANE	9.685	43	469348	10.00	PPBV		92
77) 1,1,1,2-TETRACHLOROETHANE	10.778	131	505400	10.05	PPBV		99
78) CHLOROBENZENE	10.768	112	961608	10.05	PPBV		94
79) ETHYLBENZENE	11.656	91	1467847	10.05	PPBV		98
80) M,P-XYLENE	12.093	91	2415093	20.11	PPBV		99
81) O-XYLENE	13.032	91	1252258	10.05	PPBV		98
82) STYRENE	12.817	104	965419	10.05	PPBV		99
83) NONANE	14.148	43	530670	10.05	PPBV		96
84) BROMOFORM	11.907	173	706865	10.05	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.038	83	924426	10.05	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.331	75	632862	10.05	PPBV	#	100
88) ISOPROPYLBENZENE	14.556	120	539304	10.05	PPBV		99
89) BROMOBENZENE	14.427	77	796411	10.05	PPBV		87
90) 2-CHLOROTOLUENE	15.566	126	470336	10.05	PPBV		99
91) N-PROPYLBENZENE	15.900	120	545077	10.05	PPBV		98
92) 4-ETHYLTOLUENE	16.222	105	1976370	10.05	PPBV		98
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	1670543	10.05	PPBV		99
94) ALPHA-METHYLSTYRENE	16.556	118	920872	10.05	PPBV		100
95) TERT-BUTYLBENZENE	16.807	134	466465	10.05	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	1910440	10.05	PPBV		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58354.D
Acq On : 18 Mar 2022 10:38 pm
Operator : thomash
Sample : icc2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:37:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

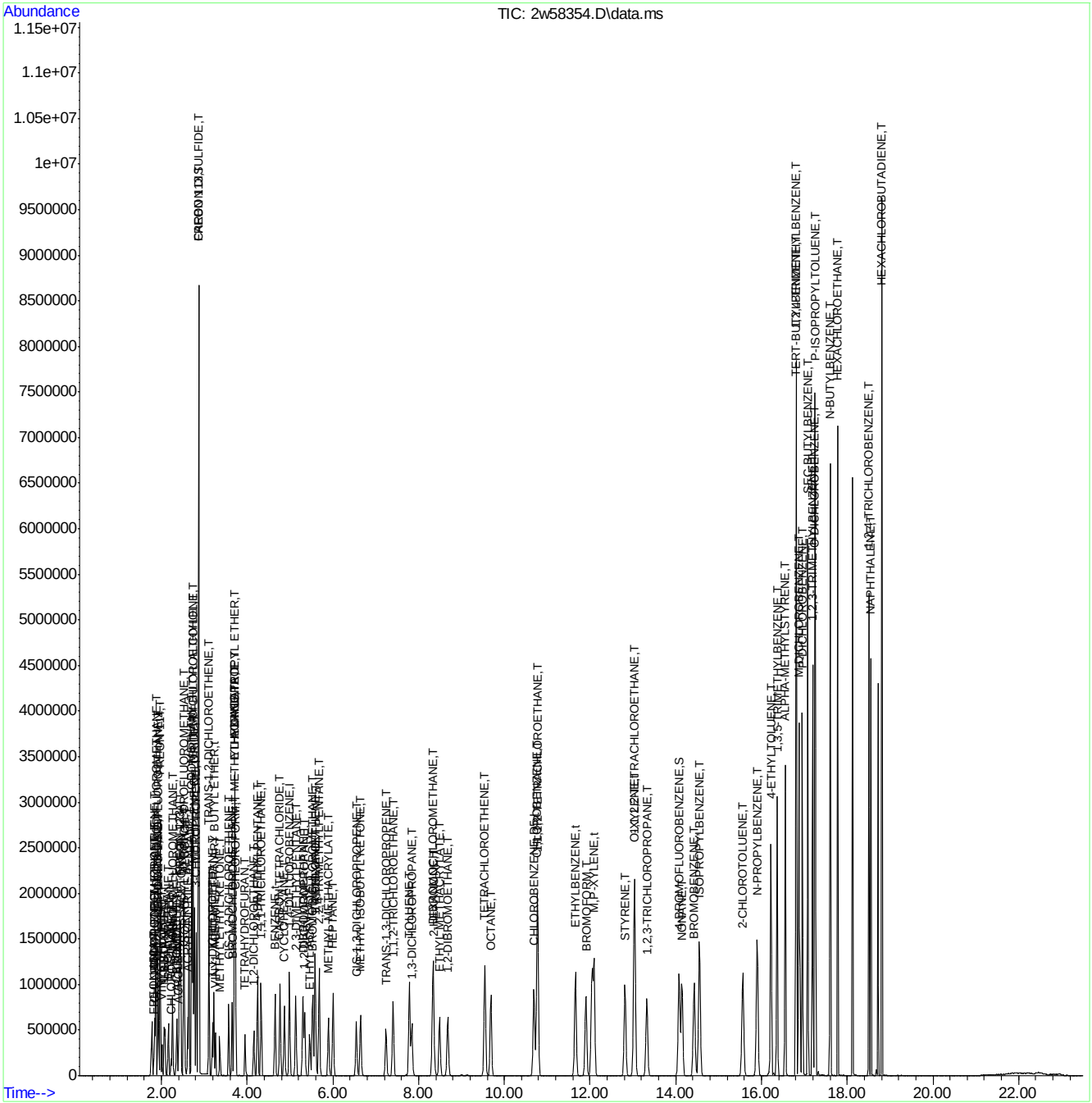
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	M-DICHLOROBENZENE	16.874	146	1259206	10.05	PPBV	99
99)	P-DICHLOROBENZENE	16.951	146	1289895	10.06	PPBV	99
100)	O-DICHLOROBENZENE	17.244	146	1280534	10.05	PPBV	100
101)	SEC-BUTYLBENZENE	17.080	134	605734	10.05	PPBV	91
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1811233	10.05	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.257	134	701857	10.05	PPBV	95
104)	N-BUTYLBENZENE	17.601	134	626538	10.05	PPBV	88
105)	HEXACHLOROETHANE	17.778	117	788592	10.05	PPBV	97
106)	HEXACHLOROBUTADIENE	18.810	225	931447	10.05	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.504	180	944010	10.04	PPBV	99
108)	NAPHTHALENE	18.553	128	2131999	10.05	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58354.D
Acq On : 18 Mar 2022 10:38 pm
Operator : thomash
Sample : icc2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:37:39 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58355.D
Acq On : 18 Mar 2022 11:17 pm
Operator : thomash
Sample : ic2599-20
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:35:54 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.653	128	239354	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.987	114	1230611	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.691	117	1170975	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.080	95	803194	9.91	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.820	65	118396	18.43	PPBV	#	90
4) CHLORODIFLUOROMETHANE	1.836	67	67544	18.30	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.852	116	469113	18.75	PPBV	#	98
6) DICHLORODIFLUOROMETHANE	1.875	85	1893725	17.87	PPBV	#	97
7) PROPYLENE	1.849	41	116615	19.74	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.923	65	1475535	17.72	PPBV		96
9) FREON 114	1.968	85	2025435	18.05	PPBV		94
10) CHLOROMETHANE	1.930	52	138332	17.40	PPBV		96
11) VINYL CHLORIDE	2.013	62	533677	17.31	PPBV		99
12) 1,3-BUTADIENE	2.065	54	363977	17.27	PPBV	#	86
13) N-BUTANE	2.084	43	610566	18.24	PPBV	#	98
14) BROMOMETHANE	2.164	94	606833	17.46	PPBV		99
15) CHLOROETHANE	2.229	64	261534	17.60	PPBV		95
16) DICHLOROFLUOROMETHANE	2.261	67	1198054	17.66	PPBV	#	98
17) ACETONITRILE	2.351	41	292840	18.51	PPBV		98
18) ACROLEIN	2.402	56	212343	18.44	PPBV		98
19) FREON 123	2.425	83	1528440	18.78	PPBV		97
20) FREON 123A	2.444	117	985641	18.96	PPBV		87
21) TRICHLOROFLUOROMETHANE	2.524	101	2334979	17.92	PPBV		100
22) ISOPROPYL ALCOHOL	2.540	45	1051000	16.71	PPBV		97
23) ACETONE	2.454	58	259733	18.81	PPBV		74
24) PENTANE	2.647	42	786564	17.09	PPBV		97
25) IODOMETHANE	2.704	142	3998669	17.57	PPBV		97
26) 1,1-DICHLOROETHYLENE	2.733	96	1400987	17.23	PPBV		98
27) CARBON DISULFIDE	2.868	76	4391463	17.60	PPBV	#	96
28) ETHANOL	2.264	45	146769	18.20	PPBV	#	96
29) BROMOETHENE	2.364	106	622344	17.94	PPBV	#	98
30) ACRYLONITRILE	2.614	52	567941	17.12	PPBV		98
31) METHYLENE CHLORIDE	2.772	84	1246349	17.00	PPBV		99
32) 3-CHLOROPROPENE	2.814	76	652056	17.19	PPBV		93
33) FREON 113	2.868	151	2906949	17.85	PPBV		99
34) TRANS-1,2-DICHLOROETHENE	3.106	96	1080081	14.50	PPBV		92
35) TERTIARY BUTYL ALCOHOL	2.743	59	1905474	15.75	PPBV	#	77
36) METHYL TERTIARY BUTYL ...	3.222	73	1526545	20.70	PPBV		100
37) TETRAHYDROFURAN	3.946	72	311936	20.52	PPBV		89
38) HEXANE	3.708	57	1009194	20.38	PPBV		93
39) VINYL ACETATE	3.264	86	177067	21.44	PPBV	#	70
40) 1,1-DICHLOROETHANE	3.190	63	839490	19.78	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	303096	20.94	PPBV		86
42) CIS-1,2-DICHLOROETHENE	3.573	96	713905	20.28	PPBV		93
43) DIISOPROPYL ETHER	3.711	59	304731	20.27	PPBV		91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58355.D
Acq On : 18 Mar 2022 11:17 pm
Operator : thomash
Sample : ic2599-20
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:35:54 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.714	61	225881	20.57	PPBV		90
45) METHYL ACRYLATE	3.701	55	1175879	20.62	PPBV	#	98
46) CHLOROFORM	3.730	83	1583557	20.13	PPBV		99
47) 2,4-DIMETHYLPENTANE	4.245	57	1021353	20.76	PPBV		95
48) 1,1,1-TRICHLOROETHANE	4.328	97	1454641	21.06	PPBV		97
49) CARBON TETRACHLORIDE	4.769	117	1511281	21.10	PPBV		99
50) 1,2-DICHLOROETHANE	4.158	62	821850	19.77	PPBV		98
51) BENZENE	4.653	78	2031844	20.73	PPBV		98
53) CYCLOHEXANE	4.868	84	890089	20.59	PPBV		85
54) 2,3-DIMETHYLPENTANE	5.135	71	431247	20.28	PPBV		92
55) TRICHLOROETHENE	5.589	95	1043055	21.15	PPBV		96
56) 1,2-DICHLOROPROPANE	5.344	63	678406	21.37	PPBV	#	92
57) DIBROMOMETHANE	5.302	174	972568	21.18	PPBV		98
58) ETHYL ACRYLATE	5.460	55	1324323	21.33	PPBV	#	97
59) BROMODICHLOROMETHANE	5.527	83	1635775	20.55	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.682	57	2857485	20.47	PPBV	#	99
61) 1,4-DIOXANE	5.589	88	518805	20.60	PPBV		90
62) HEPTANE	6.007	43	850621	20.08	PPBV		89
63) METHYL METHACRYLATE	5.897	69	788256	20.78	PPBV		96
64) METHYL ISOBUTYL KETONE	6.650	58	558127	20.18	PPBV	#	93
65) CIS-1,3-DICHLOROPROPENE	6.550	75	1149434	21.16	PPBV		95
66) TOLUENE	7.788	91	2740831	20.07	PPBV		99
67) 1,3-DICHLOROPROPANE	7.846	76	1264802	20.00	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.241	75	1008046	20.99	PPBV		96
69) 1,1,2-TRICHLOROETHANE	7.408	83	768293	20.24	PPBV		97
70) 2-HEXANONE	8.351	58	755984	20.08	PPBV		96
71) ETHYL METHACRYLATE	8.492	69	1323730	20.05	PPBV		97
72) TETRACHLOROETHENE	9.550	164	1135765	20.25	PPBV		98
73) DIBROMOCHLOROMETHANE	8.334	129	1860919	20.95	PPBV		99
74) 1,2-DIBROMOETHANE	8.685	107	1623987	20.07	PPBV		100
75) OCTANE	9.688	43	1154478	19.37	PPBV	#	89
77) 1,1,1,2-TETRACHLOROETHANE	10.784	131	1286651	20.90	PPBV		99
78) CHLOROBENZENE	10.772	112	2417308	20.64	PPBV		94
79) ETHYLBENZENE	11.659	91	3661654	20.48	PPBV		98
80) M,P-XYLENE	12.096	91	5948223	40.46	PPBV		99
81) O-XYLENE	13.042	91	3076711	20.17	PPBV		99
82) STYRENE	12.820	104	2434260	20.70	PPBV		99
83) NONANE	14.151	43	1260575	19.51	PPBV		95
84) BROMOFORM	11.910	173	1867643	21.69	PPBV	#	99
85) 1,1,2,2-TETRACHLOROETHANE	13.045	83	2265138	20.12	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.331	75	1535676	19.92	PPBV	#	100
88) ISOPROPYLBENZENE	14.559	120	1326092	20.19	PPBV		95
89) BROMOBENZENE	14.434	77	1907304	19.66	PPBV		84
90) 2-CHLOROTOLUENE	15.569	126	1153866	20.13	PPBV		99
91) N-PROPYLBENZENE	15.906	120	1343524	20.24	PPBV		98
92) 4-ETHYLTOLUENE	16.225	105	4873229	20.24	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	16.369	105	4136402	20.32	PPBV		98
94) ALPHA-METHYLSTYRENE	16.559	118	2308396	20.58	PPBV		99
95) TERT-BUTYLBENZENE	16.810	134	1221062	21.49	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.816	105	4856341	20.87	PPBV		98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58355.D
Acq On : 18 Mar 2022 11:17 pm
Operator : thomash
Sample : ic2599-20
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:35:54 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration

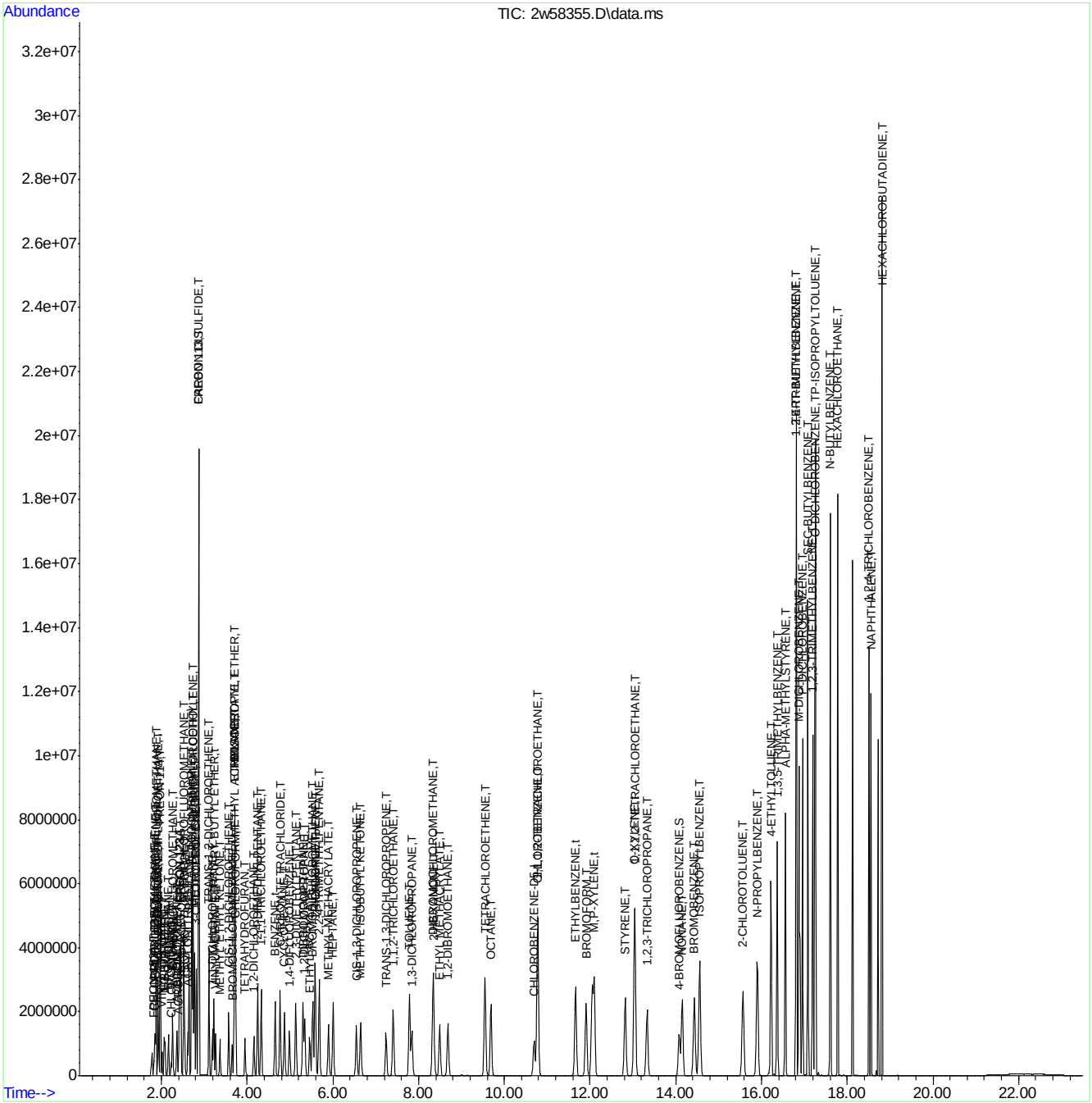
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
98)	M-DICHLOROBENZENE	16.877	146	3274169	21.35	PPBV	98
99)	P-DICHLOROBENZENE	16.958	146	3307900	21.07	PPBV	99
100)	O-DICHLOROBENZENE	17.247	146	3355015	21.51	PPBV	99
101)	SEC-BUTYLBENZENE	17.083	134	1538631	20.85	PPBV	88
102)	1,2,3-TRIMETHYLBENZENE	17.196	105	4467441	20.25	PPBV	98
103)	P-ISOPROPYLTOLUENE	17.257	134	1808313	21.15	PPBV	94
104)	N-BUTYLBENZENE	17.601	134	1609138	21.09	PPBV	82
105)	HEXACHLOROETHANE	17.781	117	2055935	21.41	PPBV	99
106)	HEXACHLOROBUTADIENE	18.813	225	2647267	23.33	PPBV	99
107)	1,2,4-TRICHLOROBENZENE	18.508	180	2451599	21.31	PPBV	98
108)	NAPHTHALENE	18.556	128	5274178	20.31	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58355.D
Acq On : 18 Mar 2022 11:17 pm
Operator : thomash
Sample : ic2599-20
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 19 11:35:54 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Sat Mar 19 08:14:54 2022
Response via : Initial Calibration



M2W2599.M Thu Mar 24 07:20:22 2022 GCMS2W Page: 4

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	201103	10.00	PPBV	#	0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	1033673	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	1011344	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.077	95	708931	11.14	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	54029	9.77	PPBV	#	88
4) CHLORODIFLUOROMETHANE	1.833	67	28805	10.01	PPBV		97
5) CHLOROTRIFLUOROETHENE	1.852	116	196631	9.22	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	805425	9.04	PPBV	#	97
7) PROPYLENE	1.846	41	48684	8.91	PPBV		95
8) 1-CHLORO-1,1-DIFLUOROE...	1.923	65	690180	9.71	PPBV		95
9) FREON 114	1.968	85	921600	9.77	PPBV		96
10) CHLOROMETHANE	1.930	52	65325	8.83	PPBV		94
11) VINYL CHLORIDE	2.010	62	262303	9.83	PPBV		99
12) 1,3-BUTADIENE	2.061	54	177971	9.60	PPBV	#	86
13) N-BUTANE	2.084	43	283794	9.26	PPBV		98
14) BROMOMETHANE	2.164	94	288487	9.43	PPBV		100
15) CHLOROETHANE	2.229	64	131211	9.74	PPBV		94
16) DICHLOROFLUOROMETHANE	2.261	67	563245	9.80	PPBV	#	97
17) ACETONITRILE	2.351	41	134995	8.91	PPBV		97
18) ACROLEIN	2.406	56	99763	9.30	PPBV		97
19) FREON 123	2.425	83	718254	10.49	PPBV		95
20) FREON 123A	2.444	117	483006	11.12	PPBV		91
21) TRICHLOROFLUOROMETHANE	2.524	101	1109272	10.38	PPBV		100
22) ISOPROPYL ALCOHOL	2.541	45	567784	9.79	PPBV		96
23) ACETONE	2.454	58	127374	9.65	PPBV		76
24) PENTANE	2.647	42	400967	9.19	PPBV		97
25) IODOMETHANE	2.708	142	1841101	9.57	PPBV		95
26) 1,1-DICHLOROETHYLENE	2.733	96	669460	9.33	PPBV		98
27) CARBON DISULFIDE	2.869	76	1973298	9.37	PPBV	#	91
28) ETHANOL	2.264	45	77236	8.69	PPBV	#	97
29) BROMOETHENE	2.364	106	289352	9.46	PPBV	#	96
30) ACRYLONITRILE	2.618	52	282177	8.89	PPBV		97
31) METHYLENE CHLORIDE	2.772	84	598436	8.44	PPBV		96
32) 3-CHLOROPROPENE	2.811	76	324564	9.51	PPBV		94
33) FREON 113	2.869	151	1268749	9.21	PPBV		97
34) TRANS-1,2-DICHLOROETHENE	3.106	96	591909	9.69	PPBV		95
35) TERTIARY BUTYL ALCOHOL	2.743	59	1058468	9.86	PPBV	#	76
36) METHYL TERTIARY BUTYL ...	3.222	73	626316	10.43	PPBV		99
37) TETRAHYDROFURAN	3.949	72	125187	11.23	PPBV		91
38) HEXANE	3.704	57	425941	11.73	PPBV		89
39) VINYL ACETATE	3.261	86	65372	10.81	PPBV		82
40) 1,1-DICHLOROETHANE	3.190	63	363894	10.40	PPBV		98
41) METHYL ETHYL KETONE	3.364	72	125659	9.79	PPBV		88
42) CIS-1,2-DICHLOROETHENE	3.569	96	289250	9.72	PPBV		96
43) DIISOPROPYL ETHER	3.708	59	128103	11.28	PPBV		92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.711	61	91439	11.50	PPBV		96
45) METHYL ACRYLATE	3.701	55	487335	11.71	PPBV	#	97
46) CHLOROFORM	3.727	83	636684	10.41	PPBV	#	98
47) 2,4-DIMETHYLPENTANE	4.245	57	423373	10.67	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.328	97	569535	10.03	PPBV		99
49) CARBON TETRACHLORIDE	4.766	117	595905	10.67	PPBV		100
50) 1,2-DICHLOROETHANE	4.155	62	349954	10.33	PPBV		98
51) BENZENE	4.650	78	823180	10.04	PPBV		97
53) CYCLOHEXANE	4.868	84	364194	10.02	PPBV		86
54) 2,3-DIMETHYLPENTANE	5.135	71	177710	10.47	PPBV		95
55) TRICHLOROETHENE	5.582	95	405458	10.39	PPBV		98
56) 1,2-DICHLOROPROPANE	5.344	63	275737	10.59	PPBV	#	91
57) DIBROMOMETHANE	5.299	174	359095	8.88	PPBV		93
58) ETHYL ACRYLATE	5.457	55	540816	11.42	PPBV		98
59) BROMODICHLOROMETHANE	5.524	83	654543	10.83	PPBV		99
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	1183653	10.83	PPBV	#	99
61) 1,4-DIOXANE	5.585	88	197821	8.91	PPBV		91
62) HEPTANE	6.003	43	356147	11.05	PPBV		90
63) METHYL METHACRYLATE	5.897	69	317363	11.30	PPBV		98
64) METHYL ISOBUTYL KETONE	6.643	58	235355	11.37	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.547	75	501024	12.01	PPBV	#	91
66) TOLUENE	7.785	91	1108587	10.75	PPBV		99
67) 1,3-DICHLOROPROPANE	7.839	76	522437	10.91	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.238	75	418431	11.91	PPBV	#	92
69) 1,1,2-TRICHLOROETHANE	7.402	83	311104	10.12	PPBV		99
70) 2-HEXANONE	8.347	58	326904	11.52	PPBV		93
71) ETHYL METHACRYLATE	8.486	69	548532	11.94	PPBV		97
72) TETRACHLOROETHENE	9.543	164	447352	10.19	PPBV		98
73) DIBROMOCHLOROMETHANE	8.328	129	728469	11.15	PPBV		99
74) 1,2-DIBROMOETHANE	8.679	107	662186	11.74	PPBV		100
75) OCTANE	9.685	43	511467	11.40	PPBV		93
77) 1,1,1,2-TETRACHLOROETHANE	10.781	131	527157	10.84	PPBV		99
78) CHLOROBENZENE	10.769	112	996899	10.24	PPBV		96
79) ETHYLBENZENE	11.656	91	1554406	10.65	PPBV		99
80) M,P-XYLENE	12.090	91	2565768	22.65	PPBV		100
81) O-XYLENE	13.032	91	1322972	11.40	PPBV		99
82) STYRENE	12.817	104	1012905	11.41	PPBV		99
83) NONANE	14.141	43	582135	10.76	PPBV		96
84) BROMOFORM	11.900	173	757173	11.36	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.039	83	978582	11.22	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.325	75	666618	11.09	PPBV	#	100
88) ISOPROPYLBENZENE	14.553	120	554272	11.21	PPBV		100
89) BROMOBENZENE	14.431	77	833266	11.09	PPBV		90
90) 2-CHLOROTOLUENE	15.563	126	473325	10.77	PPBV		100
91) N-PROPYLBENZENE	15.903	120	556408	11.06	PPBV		99
92) 4-ETHYLTOLUENE	16.222	105	2067838	11.92	PPBV		97
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	1769423	12.37	PPBV		99
94) ALPHA-METHYLSTYRENE	16.556	118	928111	12.22	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	479855	11.83	PPBV		98
96) 1,2,4-TRIMETHYLBENZENE	16.813	105	2008340	12.89	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

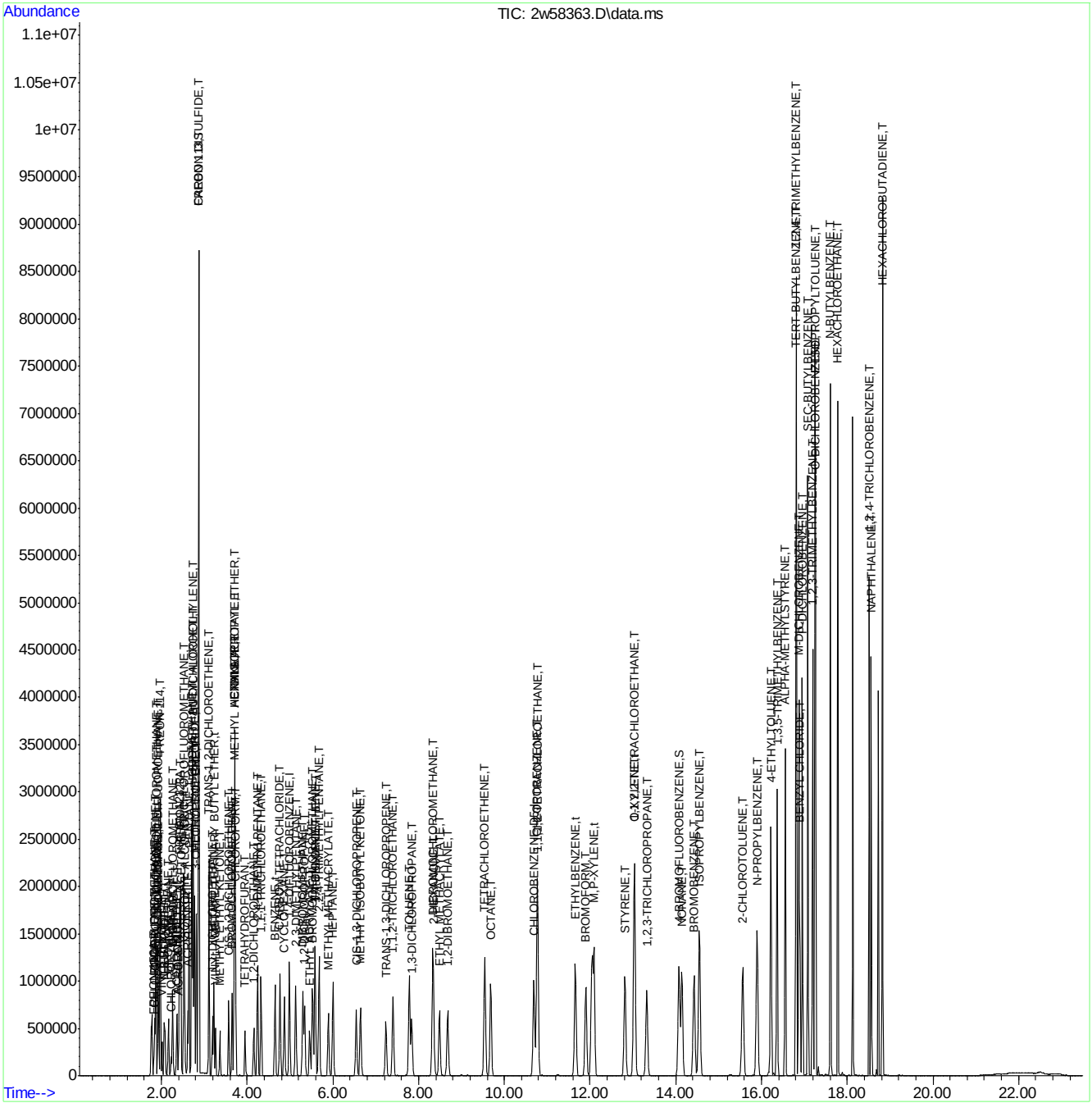
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97)	BENZYL CHLORIDE	16.897	91	1110740	23.03	PPBV	98
98)	M-DICHLOROBENZENE	16.874	146	1300768	12.37	PPBV	100
99)	P-DICHLOROBENZENE	16.955	146	1322362	12.50	PPBV	100
100)	O-DICHLOROBENZENE	17.247	146	1329301	12.51	PPBV	100
101)	SEC-BUTYLBENZENE	17.083	134	621144	12.38	PPBV	95
102)	1,2,3-TRIMETHYLBENZENE	17.193	105	1907975	12.94	PPBV	99
103)	P-ISOPROPYLTOLUENE	17.260	134	719593	12.37	PPBV	94
104)	N-BUTYLBENZENE	17.604	134	646730	12.43	PPBV	92
105)	HEXACHLOROETHANE	17.781	117	874470	12.69	PPBV	96
106)	HEXACHLOROBUTADIENE	18.823	225	915153	10.95	PPBV	100
107)	1,2,4-TRICHLOROBENZENE	18.514	180	955092	11.86	PPBV	99
108)	NAPHTHALENE	18.562	128	2036361	10.60	PPBV	100

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58363.D
Acq On : 19 Mar 2022 11:40 am
Operator : thomash
Sample : icv2599-10
Misc : MS57148,V2w2599,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 21 08:57:18 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) BROMOCHLOROMETHANE	3.650	128	176836	10.00	PPBV		0.00
52) 1,4-DIFLUOROBENZENE	4.984	114	944897	10.00	PPBV		0.00
76) CHLOROBENZENE-D5	10.688	117	913047	10.00	PPBV		0.00
System Monitoring Compounds							
87) 4-BROMOFLUOROBENZENE	14.074	95	644919	11.23	PPBV		0.00
Target Compounds							Qvalue
3) FREON 152A	1.817	65	54742	11.26	PPBV		93
4) CHLORODIFLUOROMETHANE	1.833	67	28646	11.32	PPBV		99
5) CHLOROTRIFLUOROETHENE	1.849	116	187999	10.02	PPBV	#	100
6) DICHLORODIFLUOROMETHANE	1.872	85	826911	10.55	PPBV	#	96
7) PROPYLENE	1.846	41	47746	9.94	PPBV		92
8) 1-CHLORO-1,1-DIFLUOROE...	1.920	65	668640	10.70	PPBV		94
9) FREON 114	1.965	85	885424	10.68	PPBV		98
10) CHLOROMETHANE	1.926	52	66978	10.30	PPBV		99
11) VINYL CHLORIDE	2.010	62	258161	11.01	PPBV		99
12) 1,3-BUTADIENE	2.062	54	175297	10.75	PPBV	#	86
13) N-BUTANE	2.081	43	281829	10.46	PPBV	#	97
14) BROMOMETHANE	2.161	94	269083	10.00	PPBV		98
15) CHLOROETHANE	2.222	64	124758	10.53	PPBV	#	85
16) DICHLOROFLUOROMETHANE	2.258	67	553808	10.95	PPBV	#	98
17) ACETONITRILE	2.344	41	136377	10.24	PPBV		97
18) ACROLEIN	2.396	56	95430	10.11	PPBV		99
19) FREON 123	2.415	83	649198	10.78	PPBV		97
20) FREON 123A	2.441	117	390691	10.23	PPBV		97
21) TRICHLOROFLUOROMETHANE	2.518	101	958441	10.20	PPBV		99
22) ISOPROPYL ALCOHOL	2.534	45	551372	10.81	PPBV		96
23) ACETONE	2.447	58	117936	10.16	PPBV		75
24) PENTANE	2.640	42	382440	9.96	PPBV		97
25) IODOMETHANE	2.701	142	1625288	9.61	PPBV		94
26) 1,1-DICHLOROETHYLENE	2.730	96	613339	9.72	PPBV		94
27) CARBON DISULFIDE	2.865	76	2001802	10.81	PPBV	#	91
28) ETHANOL	2.261	45	71513	9.15	PPBV	#	97
29) BROMOETHENE	2.357	106	268066	9.97	PPBV	#	98
30) ACRYLONITRILE	2.611	52	277913	9.96	PPBV		97
31) METHYLENE CHLORIDE	2.766	84	573524	9.19	PPBV		94
32) 3-CHLOROPROPENE	2.807	76	303253	10.10	PPBV		91
33) FREON 113	2.865	151	1160571	9.58	PPBV		93
34) TRANS-1,2-DICHLOROETHENE	3.103	96	569338	10.60	PPBV		98
35) TERTIARY BUTYL ALCOHOL	2.737	59	1060569	11.24	PPBV	#	78
36) METHYL TERTIARY BUTYL ...	3.219	73	562029	10.65	PPBV		99
37) TETRAHYDROFURAN	3.942	72	117603	12.00	PPBV		92
38) HEXANE	3.701	57	391819	12.27	PPBV		89
39) VINYL ACETATE	3.261	86	62476	11.74	PPBV		79
40) 1,1-DICHLOROETHANE	3.187	63	330841	10.76	PPBV		99
41) METHYL ETHYL KETONE	3.357	72	112940	10.00	PPBV		91
42) CIS-1,2-DICHLOROETHENE	3.569	96	254470	9.73	PPBV		98
43) DIISOPROPYL ETHER	3.705	59	116321	11.65	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) ETHYL ACETATE	3.708	61	85813	12.28	PPBV		99
45) METHYL ACRYLATE	3.698	55	452960	12.38	PPBV	#	98
46) CHLOROFORM	3.724	83	594332	11.05	PPBV		98
47) 2,4-DIMETHYLPENTANE	4.241	57	389041	11.15	PPBV		96
48) 1,1,1-TRICHLOROETHANE	4.322	97	524264	10.50	PPBV		99
49) CARBON TETRACHLORIDE	4.762	117	538765	10.97	PPBV		99
50) 1,2-DICHLOROETHANE	4.151	62	317546	10.66	PPBV	#	98
51) BENZENE	4.647	78	751347	10.43	PPBV		97
53) CYCLOHEXANE	4.865	84	328297	9.88	PPBV		87
54) 2,3-DIMETHYLPENTANE	5.129	71	162945	10.50	PPBV		95
55) TRICHLOROETHENE	5.579	95	361735	10.14	PPBV		99
56) 1,2-DICHLOROPROPANE	5.335	63	257802	10.83	PPBV		93
57) DIBROMOMETHANE	5.296	174	328736	8.89	PPBV		93
58) ETHYL ACRYLATE	5.454	55	504521	11.65	PPBV		98
59) BROMODICHLOROMETHANE	5.521	83	606757	10.99	PPBV		100
60) 2,2,4-TRIMETHYLPENTANE	5.679	57	1090285	10.91	PPBV		99
61) 1,4-DIOXANE	5.585	88	192102	9.46	PPBV		91
62) HEPTANE	6.000	43	330873	11.23	PPBV		93
63) METHYL METHACRYLATE	5.888	69	290717	11.32	PPBV		97
64) METHYL ISOBUTYL KETONE	6.643	58	214708	11.35	PPBV		91
65) CIS-1,3-DICHLOROPROPENE	6.544	75	425766	11.17	PPBV	#	90
66) TOLUENE	7.782	91	1001204	10.62	PPBV		98
67) 1,3-DICHLOROPROPANE	7.839	76	476585	10.88	PPBV		99
68) TRANS-1,3-DICHLOROPROPENE	7.235	75	371760	11.57	PPBV	#	91
69) 1,1,2-TRICHLOROETHANE	7.399	83	284708	10.14	PPBV		98
70) 2-HEXANONE	8.344	58	296408	11.43	PPBV		92
71) ETHYL METHACRYLATE	8.486	69	507946	12.09	PPBV		96
72) TETRACHLOROETHENE	9.544	164	388744	9.68	PPBV		98
73) DIBROMOCHLOROMETHANE	8.328	129	642425	10.75	PPBV		100
74) 1,2-DIBROMOETHANE	8.675	107	586744	11.38	PPBV		100
75) OCTANE	9.682	43	464709	11.33	PPBV		94
77) 1,1,1,2-TETRACHLOROETHANE	10.775	131	462627	10.54	PPBV		96
78) CHLOROBENZENE	10.765	112	884974	10.07	PPBV		96
79) ETHYLBENZENE	11.656	91	1380009	10.48	PPBV		100
80) M,P-XYLENE	12.087	91	2280948	22.30	PPBV		99
81) O-XYLENE	13.029	91	1194918	11.41	PPBV		98
82) STYRENE	12.813	104	898873	11.22	PPBV		99
83) NONANE	14.145	43	546610	11.19	PPBV		96
84) BROMOFORM	11.900	173	637221	10.59	PPBV	#	98
85) 1,1,2,2-TETRACHLOROETHANE	13.035	83	891887	11.33	PPBV		99
86) 1,2,3-TRICHLOROPROPANE	13.322	75	609758	11.23	PPBV	#	100
88) ISOPROPYLBENZENE	14.550	120	489171	10.96	PPBV		97
89) BROMOBENZENE	14.424	77	762596	11.24	PPBV		94
90) 2-CHLOROTOLUENE	15.559	126	420306	10.60	PPBV		99
91) N-PROPYLBENZENE	15.897	120	494111	10.88	PPBV		98
92) 4-ETHYLTOLUENE	16.222	105	1828772	11.68	PPBV		100
93) 1,3,5-TRIMETHYLBENZENE	16.366	105	1545925	11.97	PPBV		100
94) ALPHA-METHYLSTYRENE	16.553	118	842260	12.28	PPBV		99
95) TERT-BUTYLBENZENE	16.807	134	425911	11.63	PPBV		99
96) 1,2,4-TRIMETHYLBENZENE	16.817	105	1783275	12.68	PPBV		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration

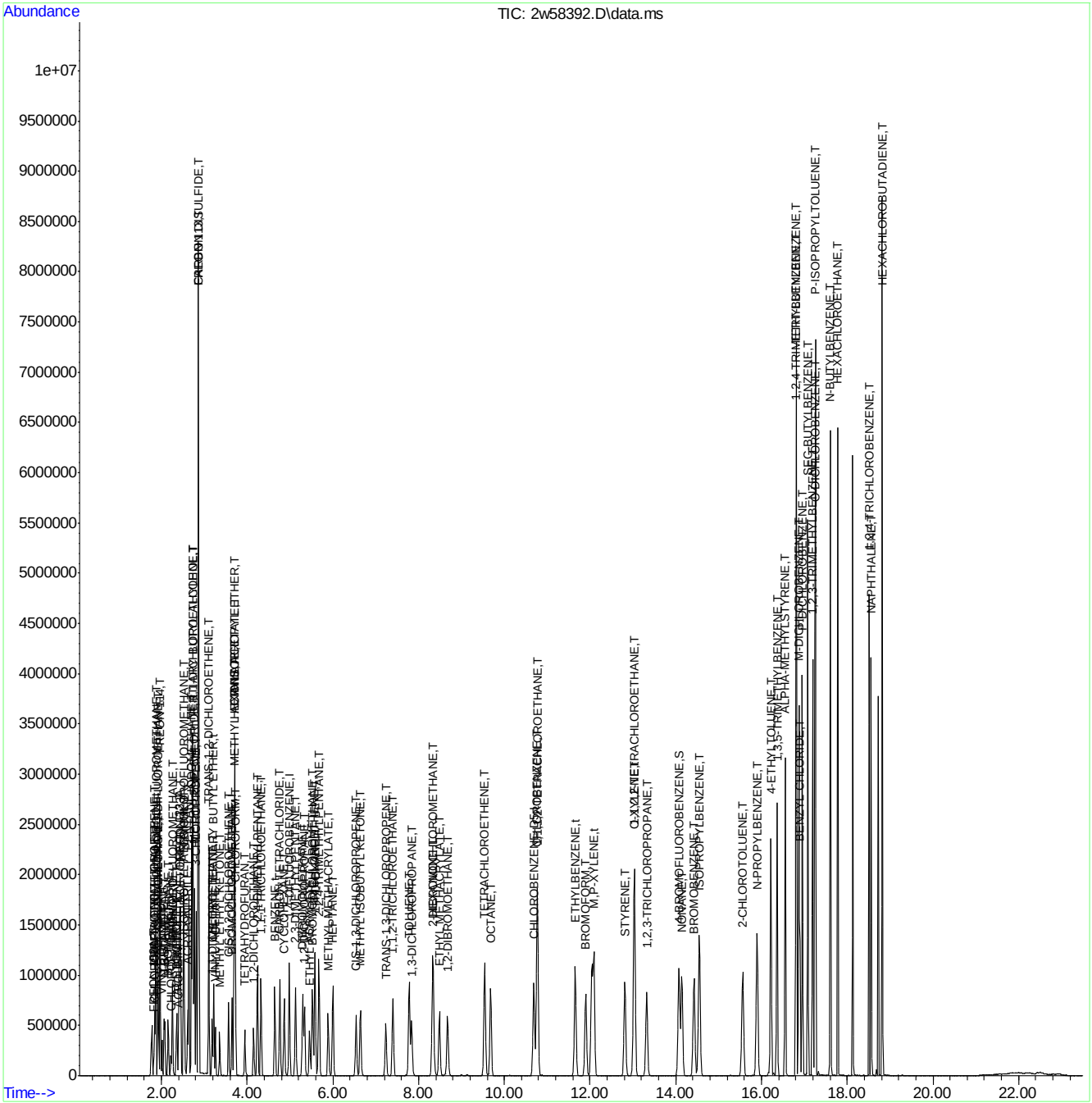
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
97) BENZYL CHLORIDE	16.897	91	1005946	23.10	PPBV	99
98) M-DICHLOROBENZENE	16.874	146	1142104	12.03	PPBV	100
99) P-DICHLOROBENZENE	16.955	146	1168403	12.23	PPBV	100
100) O-DICHLOROBENZENE	17.247	146	1177716	12.28	PPBV	99
101) SEC-BUTYLBENZENE	17.083	134	550295	12.15	PPBV	97
102) 1,2,3-TRIMETHYLBENZENE	17.193	105	1718439	12.91	PPBV	99
103) P-ISOPROPYLTOLUENE	17.257	134	643369	12.25	PPBV	97
104) N-BUTYLBENZENE	17.601	134	576036	12.27	PPBV	95
105) HEXACHLOROETHANE	17.781	117	773157	12.43	PPBV	95
106) HEXACHLOROBUTADIENE	18.820	225	821577	10.88	PPBV	100
107) 1,2,4-TRICHLOROBENZENE	18.511	180	831504	11.44	PPBV	99
108) NAPHTHALENE	18.562	128	1935784	11.16	PPBV	99

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\
Data File : 2w58392.D
Acq On : 21 Mar 2022 8:26 am
Operator : thomash
Sample : cc2599-10
Misc : MS57296,V2w2601,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 21 15:20:17 2022
Quant Method : C:\msdchem\1\METHODS\M2W2599.M
Quant Title : TO15 by GCMS w/DB-1, 30m X 0.25mm ID X 0.5 um
QLast Update : Mon Mar 21 08:55:45 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47670.D
Acq On : 31 Jan 2022 10:37 pm
Operator : danat
Sample : ic1969-5
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:18:53 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.341	130	223640	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	13.531	114	848390	10.00	ppb(v	# 0.00
76) Chlorobenzene-d5	18.805	82	419558	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.341	130	223640	10.00	ppb(v	# 0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	533073	10.06	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 100.60%			
Target Compounds						Qvalue
2) Freon 152A	4.379	65	76506	6.98	ppb(v	86
3) Chlorodifluoromethane	4.453	67	40445	8.83	ppb(v	99
4) Propene	4.288	41	91568	8.67	ppb(v	98
5) Chlorotrifluoroethene	4.337	116	185728	6.46	ppb(v	85
6) Dichlorodifluoromethane	4.379	85	440690	7.26	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.783	65	313173	8.67	ppb(v	93
8) Chloromethane	4.783	50	113496	7.36	ppb(v	98
9) Dichlorotetrafluoroethane	4.685	85	379694	6.92	ppb(v	95
10) Vinyl Chloride	4.997	62	125067	6.64	ppb(v#	98
11) 1,3-Butadiene	5.052	54	85888	7.10	ppb(v	89
12) n-Butane	4.893	58	18848	7.33	ppb(v#	66
13) Bromomethane	5.707	94	91032	5.63	ppb(v	99
14) Chloroethane	6.007	64	52915	5.23	ppb(v	92
15) Dichlorofluoromethane	6.453	67	294921	5.75	ppb(v	97
16) Acetonitrile	9.439	41	91834	6.26	ppb(v	97
17) Freon 123	7.548	83	282473	5.41	ppb(v	99
18) Freon 123A	7.426	117	154703	5.64	ppb(v	89
19) Bromoethene	6.264	106	122005	5.17	ppb(v#	96
20) Acrolein	8.056	56	50580	5.77	ppb(v#	96
21) Trichlorofluoromethane	6.349	101	374261	6.35	ppb(v	100
22) Acetone	8.625	58	49905	5.46	ppb(v	66
23) Pentane	6.368	57	30548	5.82	ppb(v	79
24) Iodomethane	7.689	142	367475	5.44	ppb(v	88
25) Isopropyl Alcohol	8.435	43	43111	7.00	ppb(v	86
26) 1,1-Dichloroethene	7.426	61	223381	6.23	ppb(v	90
27) Freon 113	7.542	101	292848	5.58	ppb(v	95
28) Methylene Chloride	8.564	84	114344	4.98	ppb(v	84
29) Carbon Disulfide	7.481	76	384072	5.28	ppb(v	99
30) Ethanol	7.328	45	44414	5.93	ppb(v	98
31) Acrylonitrile	10.044	53	85986	5.79	ppb(v	97
32) 3-Chloropropene	8.368	76	56823	5.44	ppb(v#	61
33) trans-1,2-Dichloroethene	8.906	61	204179	5.92	ppb(v	91
34) tert-Butyl Alcohol	9.286	59	276977	6.16	ppb(v	95
35) Methyl tert-Butyl Ether	9.139	73	371458	5.72	ppb(v	94
36) Vinyl Acetate	10.473	43	302126	6.02	ppb(v	93
37) 1,1-Dichloroethane	10.026	63	237224	5.83	ppb(v	99
38) 2-Butanone	11.959	72	56047	5.85	ppb(v#	54
39) Hexane	9.121	56	108441	6.02	ppb(v	90
40) cis-1,2-Dichloroethene	10.999	61	192678	6.06	ppb(v	92
41) Di-isopropyl Ether	9.867	87	101089	5.61	ppb(v	57
42) Ethyl Acetate	11.672	61	40766	6.11	ppb(v	68
43) Methyl Acrylate	11.684	55	214166	6.25	ppb(v	94
44) Chloroform	11.476	83	326571	5.98	ppb(v	97
45) 2,4-Dimethylpentane	10.173	57	222759	5.69	ppb(v	98
46) Tetrahydrofuran	11.763	72	61025	6.08	ppb(v	78
47) 1,1,1-Trichloroethane	11.861	97	329076	6.40	ppb(v	98
48) 1,2-Dichloroethane	12.816	62	207383	7.02	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47670.D
Acq On : 31 Jan 2022 10:37 pm
Operator : danat
Sample : ic1969-5
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:18:53 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Benzene	12.504	78	391764	5.28	ppb(v	97
50)	Carbon Tetrachloride	11.770	117	358794	6.82	ppb(v	98
51)	Cyclohexane	11.427	56	192803	5.76	ppb(v	92
52)	2,3-Dimethylpentane	11.598	71	85196	5.77	ppb(v	84
54)	2,2,4-Trimethylpentane	12.314	57	603330	5.70	ppb(v	95
55)	Heptane	12.491	71	123942	5.91	ppb(v	93
56)	Trichloroethene	13.525	97	125471	5.52	ppb(v	91
57)	1,2-Dichloropropane	14.394	63	151963	5.66	ppb(v	98
58)	Dibromomethane	14.229	174	181388	5.19	ppb(v	85
59)	Ethyl Acrylate	14.394	55	301980	6.50	ppb(v	97
60)	Methyl Methacrylate	14.749	69	143139	5.98	ppb(v	76
61)	1,4-Dioxane	14.828	88	89608	4.92	ppb(v#	91
62)	Bromodichloromethane	14.504	83	346563	6.15	ppb(v	98
63)	cis-1,3-Dichloropropene	15.605	75	253781	5.43	ppb(v	98
64)	4-Methyl-2-pentanone	16.670	58	122396	6.31	ppb(v	77
65)	trans-1,3-Dichloropropene	16.755	75	237272	5.70	ppb(v	96
66)	Toluene	16.058	91	487331	5.47	ppb(v	99
67)	1,1,2-Trichloroethane	17.049	97	177690	5.64	ppb(v	96
68)	1,3-Dichloropropane	17.557	76	231860	5.60	ppb(v#	87
69)	2-Hexanone	18.199	43	295201	7.13	ppb(v#	87
70)	Ethyl Methacrylate	17.037	69	238801	6.37	ppb(v	98
71)	Dibromochloromethane	17.404	129	364038	6.15	ppb(v	99
72)	Tetrachloroethene	16.792	166	275290	5.95	ppb(v	97
73)	1,2-Dibromoethane	17.851	107	286144	5.61	ppb(v	99
74)	Octane	15.764	43	317630	6.86	ppb(v	86
75)	1,1,1,2-Tetrachloroethane	18.946	131	235386	5.89	ppb(v	99
77)	Chlorobenzene	18.835	112	386850	5.19	ppb(v	95
78)	Ethylbenzene	18.884	91	632614	5.46	ppb(v	98
79)	m,p-Xylene	19.141	91	972495	11.56	ppb(v	96
80)	Styrene	19.937	104	357949	5.86	ppb(v	96
81)	Nonane	18.731	43	318869	6.44	ppb(v#	90
82)	o-Xylene	19.863	91	501044	5.67	ppb(v	97
83)	Bromoform	19.986	173	338212	5.93	ppb(v	99
84)	1,1,2,2-Tetrachloroethane	21.044	83	367879	5.33	ppb(v	100
85)	1,2,3-Trichloropropane	21.240	75	297937	5.78	ppb(v	96
86)	Isopropylbenzene	20.359	105	695187	5.73	ppb(v	97
87)	Bromobenzene	20.946	156	227777	5.72	ppb(v	89
88)	2-Chlorotoluene	21.209	126	168071	5.67	ppb(v#	88
89)	n-Propylbenzene	20.977	120	178927	6.07	ppb(v	87
91)	4-Ethyltoluene	21.136	105	654044	6.12	ppb(v	98
92)	1,3,5-Trimethylbenzene	21.252	105	539948	6.20	ppb(v	98
93)	alpha-Methylstyrene	21.595	118	269621	6.33	ppb(v	99
94)	tert-Butylbenzene	21.699	134	111621	5.68	ppb(v	87
95)	1,2,4-Trimethylbenzene	21.790	105	533936	6.36	ppb(v	97
96)	1,3-Dichlorobenzene	22.231	146	341531	6.34	ppb(v	97
97)	1,2,3-trimethylbenzene	22.359	105	506472	6.44	ppb(v	97
98)	Benzyl Chloride	22.635	126	91727	6.64	ppb(v	82
99)	1,4-Dichlorobenzene	22.341	146	327190	6.42	ppb(v	96
100)	sec-Butylbenzene	21.937	134	141002	5.87	ppb(v	93
101)	p-Isopropyltoluene	22.121	134	155722	6.06	ppb(v	97
102)	1,2-Dichlorobenzene	22.867	146	309591	6.81	ppb(v	98
103)	n-Butylbenzene	22.653	134	126727	6.32	ppb(v	77
104)	Hexachloroethane	22.861	201	196462	6.09	ppb(v	85
105)	1,2,4-Trichlorobenzene	24.666	180	110818	5.79	ppb(v	99
106)	Naphthalene	25.082	128	237819	5.02	ppb(v	99
107)	Hexachlorobutadiene	24.623	225	179915	5.97	ppb(v	98
109)	TVHC as equiv Pentane	6.355	TIC	1449366	6.89	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47670.D
Acq On : 31 Jan 2022 10:37 pm
Operator : danat
Sample : ic1969-5
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:18:53 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

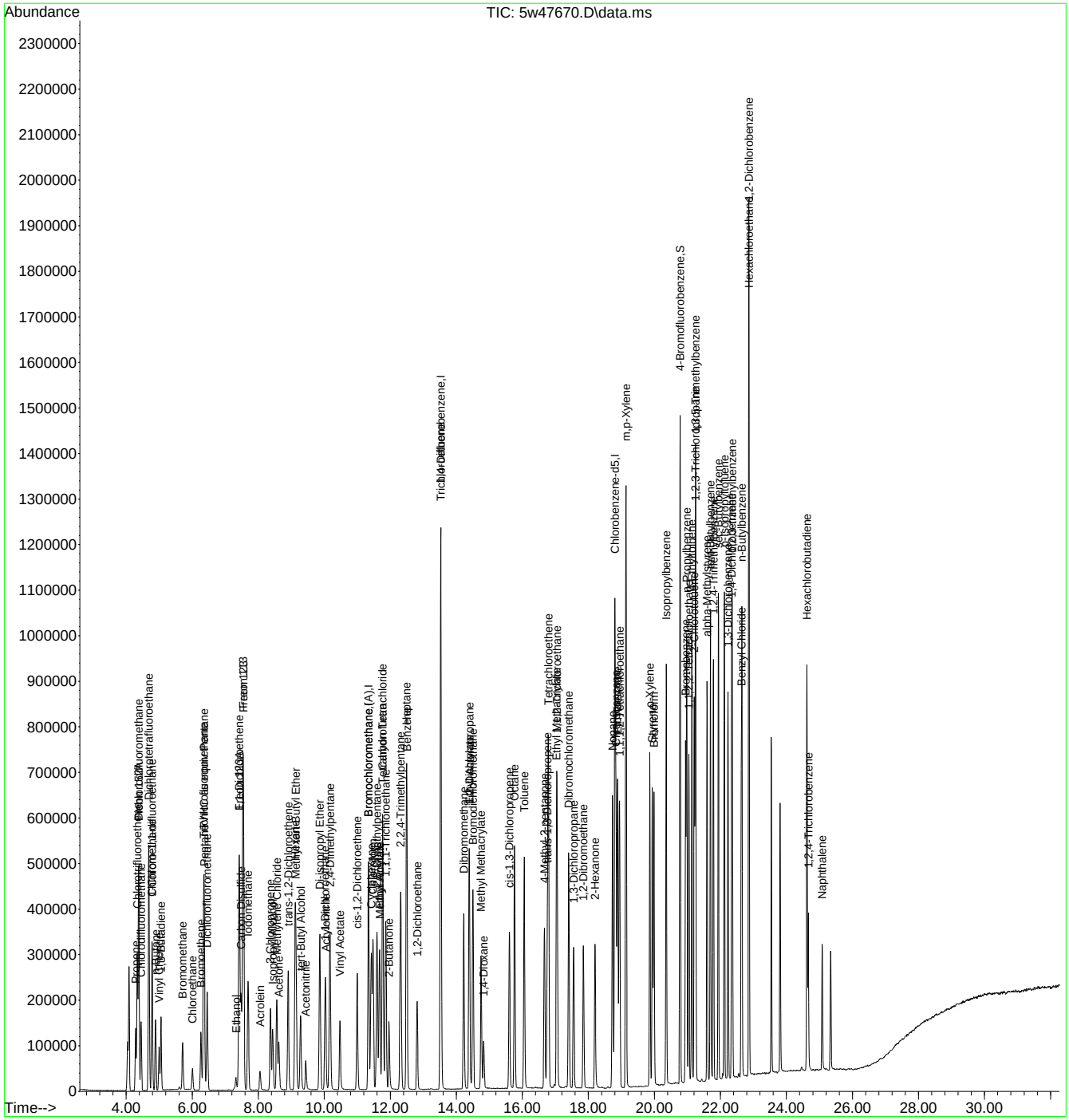
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47670.D
Acq On : 31 Jan 2022 10:37 pm
Operator : danat
Sample : ic1969-5
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:18:53 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47671.D
Acq On : 31 Jan 2022 11:25 pm
Operator : danat
Sample : icc1969-10
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:03 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.341	130	221043	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	13.531	114	827555	10.00	ppb(v	# 0.00
76) Chlorobenzene-d5	18.805	82	411912	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.341	130	221043	10.00	ppb(v	# 0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	534488	10.27	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 102.70%			
Target Compounds						Qvalue
2) Freon 152A	4.379	65	143896	13.28	ppb(v	86
3) Chlorodifluoromethane	4.447	67	76217	16.84	ppb(v	99
4) Propene	4.281	41	174408	16.71	ppb(v	96
5) Chlorotrifluoroethene	4.336	116	347703	12.24	ppb(v	84
6) Dichlorodifluoromethane	4.379	85	834087	13.90	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.783	65	588353	16.48	ppb(v#	94
8) Chloromethane	4.783	50	214196	14.05	ppb(v	99
9) Dichlorotetrafluoroethane	4.685	85	714742	13.19	ppb(v	96
10) Vinyl Chloride	4.997	62	235751	12.66	ppb(v#	99
11) 1,3-Butadiene	5.052	54	162296	13.56	ppb(v	89
12) n-Butane	4.887	58	35872	14.12	ppb(v	60
13) Bromomethane	5.707	94	172225	10.78	ppb(v	99
14) Chloroethane	6.007	64	101390	10.15	ppb(v	94
15) Dichlorofluoromethane	6.453	67	557779	11.01	ppb(v	98
16) Acetonitrile	9.439	41	173052	11.94	ppb(v	97
17) Freon 123	7.548	83	526191	10.20	ppb(v	99
18) Freon 123A	7.420	117	286730	10.57	ppb(v	87
19) Bromoethene	6.264	106	232361	9.97	ppb(v#	95
20) Acrolein	8.050	56	94207	10.88	ppb(v#	98
21) Trichlorofluoromethane	6.349	101	697590	11.98	ppb(v	100
22) Acetone	8.619	58	95285	10.54	ppb(v	69
23) Pentane	6.368	57	59017	11.37	ppb(v	77
24) Iodomethane	7.689	142	679605	10.17	ppb(v	87
25) Isopropyl Alcohol	8.429	43	81372	13.36	ppb(v	90
26) 1,1-Dichloroethene	7.426	61	414902	11.71	ppb(v	91
27) Freon 113	7.542	101	541780	10.44	ppb(v	95
28) Methylene Chloride	8.564	84	217967	9.60	ppb(v	85
29) Carbon Disulfide	7.481	76	719128	10.01	ppb(v	99
30) Ethanol	7.316	45	84210	11.38	ppb(v	100
31) Acrylonitrile	10.038	53	162442	11.06	ppb(v	97
32) 3-Chloropropene	8.368	76	108765	10.53	ppb(v#	61
33) trans-1,2-Dichloroethene	8.906	61	383659	11.25	ppb(v	91
34) tert-Butyl Alcohol	9.280	59	520995	11.73	ppb(v	94
35) Methyl tert-Butyl Ether	9.139	73	699862	10.90	ppb(v	96
36) Vinyl Acetate	10.473	43	605218	12.21	ppb(v	93
37) 1,1-Dichloroethane	10.026	63	447427	11.12	ppb(v	99
38) 2-Butanone	11.959	72	106056	11.20	ppb(v	57
39) Hexane	9.114	56	203379	11.42	ppb(v	91
40) cis-1,2-Dichloroethene	10.993	61	358876	11.41	ppb(v	89
41) Di-isopropyl Ether	9.867	87	192152	10.79	ppb(v	63
42) Ethyl Acetate	11.666	61	76310	11.56	ppb(v	65
43) Methyl Acrylate	11.678	55	406189	12.00	ppb(v	95
44) Chloroform	11.476	83	611323	11.33	ppb(v	96
45) 2,4-Dimethylpentane	10.173	57	422731	10.93	ppb(v	98
46) Tetrahydrofuran	11.763	72	113917	11.48	ppb(v#	73
47) 1,1,1-Trichloroethane	11.861	97	612209	12.05	ppb(v	99
48) 1,2-Dichloroethane	12.816	62	387636	13.27	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47671.D
Acq On : 31 Jan 2022 11:25 pm
Operator : danat
Sample : icc1969-10
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:03 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Benzene	12.498	78	718065	9.79	ppb(v	96
50)	Carbon Tetrachloride	11.770	117	671332	12.91	ppb(v	99
51)	Cyclohexane	11.427	56	362103	10.94	ppb(v	92
52)	2,3-Dimethylpentane	11.598	71	160581	11.00	ppb(v	85
54)	2,2,4-Trimethylpentane	12.314	57	1128557	10.94	ppb(v	94
55)	Heptane	12.491	71	229089	11.19	ppb(v	92
56)	Trichloroethene	13.519	97	233930	10.56	ppb(v	91
57)	1,2-Dichloropropane	14.388	63	281048	10.74	ppb(v	98
58)	Dibromomethane	14.223	174	343388	10.08	ppb(v	81
59)	Ethyl Acrylate	14.388	55	571533	12.61	ppb(v	96
60)	Methyl Methacrylate	14.749	69	268407	11.49	ppb(v	76
61)	1,4-Dioxane	14.828	88	169067	9.52	ppb(v#	92
62)	Bromodichloromethane	14.504	83	649077	11.80	ppb(v	98
63)	cis-1,3-Dichloropropene	15.605	75	483442	10.60	ppb(v	98
64)	4-Methyl-2-pentanone	16.670	58	234846	12.40	ppb(v	79
65)	trans-1,3-Dichloropropene	16.755	75	442469	10.89	ppb(v	96
66)	Toluene	16.058	91	918221	10.57	ppb(v	98
67)	1,1,2-Trichloroethane	17.055	97	331537	10.79	ppb(v	98
68)	1,3-Dichloropropane	17.557	76	430518	10.66	ppb(v#	87
69)	2-Hexanone	18.199	43	561108	13.90	ppb(v	88
70)	Ethyl Methacrylate	17.037	69	452834	12.38	ppb(v	99
71)	Dibromochloromethane	17.404	129	684384	11.86	ppb(v	99
72)	Tetrachloroethene	16.792	166	509518	11.28	ppb(v	97
73)	1,2-Dibromoethane	17.851	107	537749	10.82	ppb(v	99
74)	Octane	15.764	43	598959	13.26	ppb(v	87
75)	1,1,1,2-Tetrachloroethane	18.946	131	438310	11.25	ppb(v	99
77)	Chlorobenzene	18.835	112	720406	9.85	ppb(v	95
78)	Ethylbenzene	18.884	91	1175405	10.34	ppb(v	97
79)	m,p-Xylene	19.141	91	1783151	21.60	ppb(v	95
80)	Styrene	19.937	104	676156	11.27	ppb(v	96
81)	Nonane	18.731	43	606390	12.47	ppb(v#	90
82)	o-Xylene	19.863	91	940466	10.83	ppb(v	97
83)	Bromoform	19.986	173	625364	11.17	ppb(v	98
84)	1,1,2,2-Tetrachloroethane	21.044	83	685638	10.12	ppb(v	99
85)	1,2,3-Trichloropropane	21.240	75	549797	10.86	ppb(v	95
86)	Isopropylbenzene	20.359	105	1286225	10.80	ppb(v	97
87)	Bromobenzene	20.946	156	426025	10.89	ppb(v	88
88)	2-Chlorotoluene	21.209	126	310118	10.66	ppb(v#	86
89)	n-Propylbenzene	20.983	120	332802	11.50	ppb(v	93
91)	4-Ethyltoluene	21.136	105	1214956	11.58	ppb(v	98
92)	1,3,5-Trimethylbenzene	21.252	105	1002817	11.74	ppb(v	97
93)	alpha-Methylstyrene	21.601	118	517608	12.39	ppb(v	98
94)	tert-Butylbenzene	21.699	134	207388	10.75	ppb(v	83
95)	1,2,4-Trimethylbenzene	21.790	105	1009936	12.25	ppb(v	97
96)	1,3-Dichlorobenzene	22.231	146	657091	12.42	ppb(v	97
97)	1,2,3-trimethylbenzene	22.359	105	962320	12.47	ppb(v	97
98)	Benzyl Chloride	22.635	126	180262	13.29	ppb(v	81
99)	1,4-Dichlorobenzene	22.341	146	636698	12.73	ppb(v	97
100)	sec-Butylbenzene	21.937	134	262629	11.13	ppb(v	91
101)	p-Isopropyltoluene	22.121	134	294633	11.68	ppb(v	97
102)	1,2-Dichlorobenzene	22.867	146	580846	13.01	ppb(v	97
103)	n-Butylbenzene	22.653	134	250412	12.72	ppb(v	76
104)	Hexachloroethane	22.867	201	354300	11.19	ppb(v	94
105)	1,2,4-Trichlorobenzene	24.666	180	269778	14.35	ppb(v	99
106)	Naphthalene	25.082	128	590498	12.70	ppb(v	99
107)	Hexachlorobutadiene	24.623	225	372971	12.60	ppb(v	98
109)	TVHC as equiv Pentane	6.355	TIC	2697808	12.97	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47671.D
Acq On : 31 Jan 2022 11:25 pm
Operator : danat
Sample : icc1969-10
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:03 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

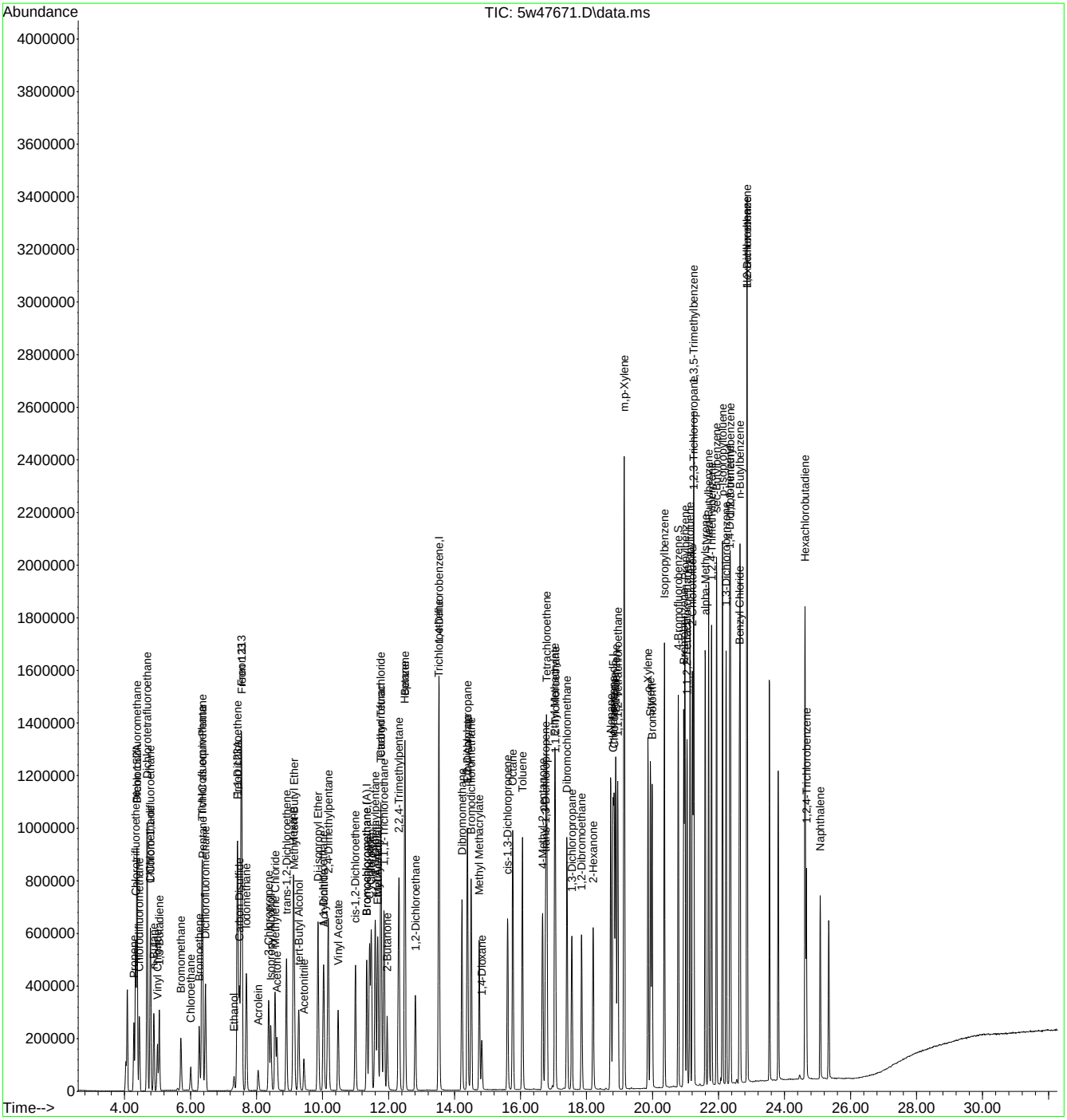
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47671.D
Acq On : 31 Jan 2022 11:25 pm
Operator : danat
Sample : icc1969-10
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:03 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47672.D
Acq On : 1 Feb 2022 12:16 am
Operator : danat
Sample : ic1969-20
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.341	130	221431	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	13.537	114	805251	10.00	ppb(v	# 0.00
76) Chlorobenzene-d5	18.805	82	405673	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.341	130	221431	10.00	ppb(v	# 0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	542669	10.59	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 105.90%			
Target Compounds						Qvalue
2) Freon 152A	4.379	65	280497	25.84	ppb(v	86
3) Chlorodifluoromethane	4.447	67	148874	32.84	ppb(v	98
4) Propene	4.281	41	347099	33.20	ppb(v	97
5) Chlorotrifluoroethene	4.336	116	679204	23.88	ppb(v	84
6) Dichlorodifluoromethane	4.379	85	1623797	27.02	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.783	65	1132947	31.68	ppb(v#	94
8) Chloromethane	4.783	50	415073	27.18	ppb(v	99
9) Dichlorotetrafluoroethane	4.679	85	1371738	25.26	ppb(v	94
10) Vinyl Chloride	4.997	62	456856	24.50	ppb(v#	99
11) 1,3-Butadiene	5.052	54	315323	26.31	ppb(v	91
12) n-Butane	4.887	58	69467	27.29	ppb(v	63
13) Bromomethane	5.707	94	331865	20.74	ppb(v	100
14) Chloroethane	6.007	64	194937	19.48	ppb(v	94
15) Dichlorofluoromethane	6.447	67	1066144	21.00	ppb(v	98
16) Acetonitrile	9.439	41	332348	22.90	ppb(v	97
17) Freon 123	7.542	83	977561	18.92	ppb(v	96
18) Freon 123A	7.420	117	550858	20.27	ppb(v	88
19) Bromoethene	6.264	106	449013	19.23	ppb(v#	95
20) Acrolein	8.050	56	181322	20.90	ppb(v#	98
21) Trichlorofluoromethane	6.343	101	1330511	22.82	ppb(v	100
22) Acetone	8.619	58	181135	20.00	ppb(v	66
23) Pentane	6.361	57	108510	20.87	ppb(v	72
24) Iodomethane	7.689	142	1277227	19.08	ppb(v	87
25) Isopropyl Alcohol	8.435	43	155084	25.42	ppb(v	91
26) 1,1-Dichloroethene	7.426	61	797504	22.47	ppb(v	91
27) Freon 113	7.542	101	1001389	19.27	ppb(v	95
28) Methylene Chloride	8.564	84	410991	18.08	ppb(v	84
29) Carbon Disulfide	7.475	76	1381792	19.20	ppb(v	99
30) Ethanol	7.322	45	162803	21.97	ppb(v	100
31) Acrylonitrile	10.038	53	313524	21.31	ppb(v	98
32) 3-Chloropropene	8.368	76	208743	20.18	ppb(v#	59
33) trans-1,2-Dichloroethene	8.906	61	738416	21.61	ppb(v	92
34) tert-Butyl Alcohol	9.280	59	994303	22.34	ppb(v	94
35) Methyl tert-Butyl Ether	9.139	73	1321710	20.55	ppb(v	93
36) Vinyl Acetate	10.473	43	1233009	24.83	ppb(v	93
37) 1,1-Dichloroethane	10.026	63	847360	21.03	ppb(v	99
38) 2-Butanone	11.959	72	202227	21.33	ppb(v	56
39) Hexane	9.114	56	385959	21.63	ppb(v	90
40) cis-1,2-Dichloroethene	10.999	61	696862	22.12	ppb(v	90
41) Di-isopropyl Ether	9.867	87	360469	20.20	ppb(v#	57
42) Ethyl Acetate	11.665	61	143530	21.71	ppb(v	62
43) Methyl Acrylate	11.684	55	769979	22.70	ppb(v	95
44) Chloroform	11.482	83	1154695	21.36	ppb(v	97
45) 2,4-Dimethylpentane	10.173	57	804796	20.77	ppb(v	97
46) Tetrahydrofuran	11.763	72	206644	20.78	ppb(v	74
47) 1,1,1-Trichloroethane	11.867	97	1162879	22.84	ppb(v	99
48) 1,2-Dichloroethane	12.816	62	732902	25.05	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47672.D
Acq On : 1 Feb 2022 12:16 am
Operator : danat
Sample : ic1969-20
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Benzene	12.504	78	1325266	18.04	ppb(v	96
50)	Carbon Tetrachloride	11.776	117	1245632	23.91	ppb(v	99
51)	Cyclohexane	11.427	56	698041	21.06	ppb(v	91
52)	2,3-Dimethylpentane	11.604	71	301219	20.61	ppb(v	86
54)	2,2,4-Trimethylpentane	12.320	57	2134849	21.26	ppb(v	95
55)	Heptane	12.491	71	426230	21.40	ppb(v	92
56)	Trichloroethene	13.525	97	443871	20.59	ppb(v	91
57)	1,2-Dichloropropane	14.394	63	528032	20.73	ppb(v	97
58)	Dibromomethane	14.229	174	647589	19.54	ppb(v	85
59)	Ethyl Acrylate	14.388	55	1078481	24.45	ppb(v	95
60)	Methyl Methacrylate	14.749	69	503115	22.13	ppb(v	76
61)	1,4-Dioxane	14.828	88	323724	18.72	ppb(v#	91
62)	Bromodichloromethane	14.504	83	1238825	23.15	ppb(v	99
63)	cis-1,3-Dichloropropene	15.611	75	932462	21.01	ppb(v	98
64)	4-Methyl-2-pentanone	16.670	58	451504	24.51	ppb(v	78
65)	trans-1,3-Dichloropropene	16.762	75	846703	21.43	ppb(v	96
66)	Toluene	16.058	91	1735474	20.53	ppb(v	98
67)	1,1,2-Trichloroethane	17.055	97	602119	20.14	ppb(v	99
68)	1,3-Dichloropropane	17.557	76	824587	20.99	ppb(v#	86
69)	2-Hexanone	18.199	43	1096542	27.91	ppb(v#	88
70)	Ethyl Methacrylate	17.037	69	847340	23.80	ppb(v	97
71)	Dibromochloromethane	17.410	129	1288979	22.95	ppb(v	99
72)	Tetrachloroethene	16.792	166	919380	20.92	ppb(v	97
73)	1,2-Dibromoethane	17.850	107	1016260	21.01	ppb(v	98
74)	Octane	15.770	43	1146033	26.07	ppb(v	86
75)	1,1,1,2-Tetrachloroethane	18.946	131	808398	21.32	ppb(v	98
77)	Chlorobenzene	18.842	112	1338519	18.58	ppb(v	94
78)	Ethylbenzene	18.884	91	2194423	19.59	ppb(v	97
79)	m,p-Xylene	19.147	91	3268972	40.20	ppb(v	95
80)	Styrene	19.943	104	1272260	21.53	ppb(v	96
81)	Nonane	18.738	43	1163689	24.29	ppb(v#	89
82)	o-Xylene	19.863	91	1783135	20.85	ppb(v	96
83)	Bromoform	19.992	173	1158138	21.01	ppb(v	98
84)	1,1,2,2-Tetrachloroethane	21.044	83	1277273	19.14	ppb(v	99
85)	1,2,3-Trichloropropane	21.246	75	997117	20.00	ppb(v	97
86)	Isopropylbenzene	20.359	105	2367332	20.18	ppb(v	96
87)	Bromobenzene	20.946	156	790693	20.52	ppb(v	85
88)	2-Chlorotoluene	21.209	126	576200	20.11	ppb(v#	81
89)	n-Propylbenzene	20.983	120	613485	21.53	ppb(v	88
91)	4-Ethyltoluene	21.136	105	2284539	22.11	ppb(v	97
92)	1,3,5-Trimethylbenzene	21.252	105	1815139	21.57	ppb(v	98
93)	alpha-Methylstyrene	21.601	118	968811	23.54	ppb(v	98
94)	tert-Butylbenzene	21.705	134	375722	19.78	ppb(v	84
95)	1,2,4-Trimethylbenzene	21.790	105	1885222	23.21	ppb(v	97
96)	1,3-Dichlorobenzene	22.231	146	1230128	23.60	ppb(v	95
97)	1,2,3-trimethylbenzene	22.359	105	1772336	23.32	ppb(v	97
98)	Benzyl Chloride	22.635	126	328229	24.58	ppb(v	80
99)	1,4-Dichlorobenzene	22.341	146	1179716	23.95	ppb(v	96
100)	sec-Butylbenzene	21.943	134	481178	20.71	ppb(v	93
101)	p-Isopropyltoluene	22.121	134	538559	21.67	ppb(v	94
102)	1,2-Dichlorobenzene	22.867	146	1020445	23.20	ppb(v	96
103)	n-Butylbenzene	22.659	134	474584	24.48	ppb(v	89
104)	Hexachloroethane	22.867	201	629280	20.18	ppb(v	92
105)	1,2,4-Trichlorobenzene	24.666	180	613382	33.13	ppb(v	99
106)	Naphthalene	25.082	128	1381979	30.18	ppb(v	100
107)	Hexachlorobutadiene	24.623	225	735563	25.23	ppb(v	98
109)	TVHC as equiv Pentane	6.355	TIC	5146746	24.70	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47672.D
Acq On : 1 Feb 2022 12:16 am
Operator : danat
Sample : ic1969-20
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

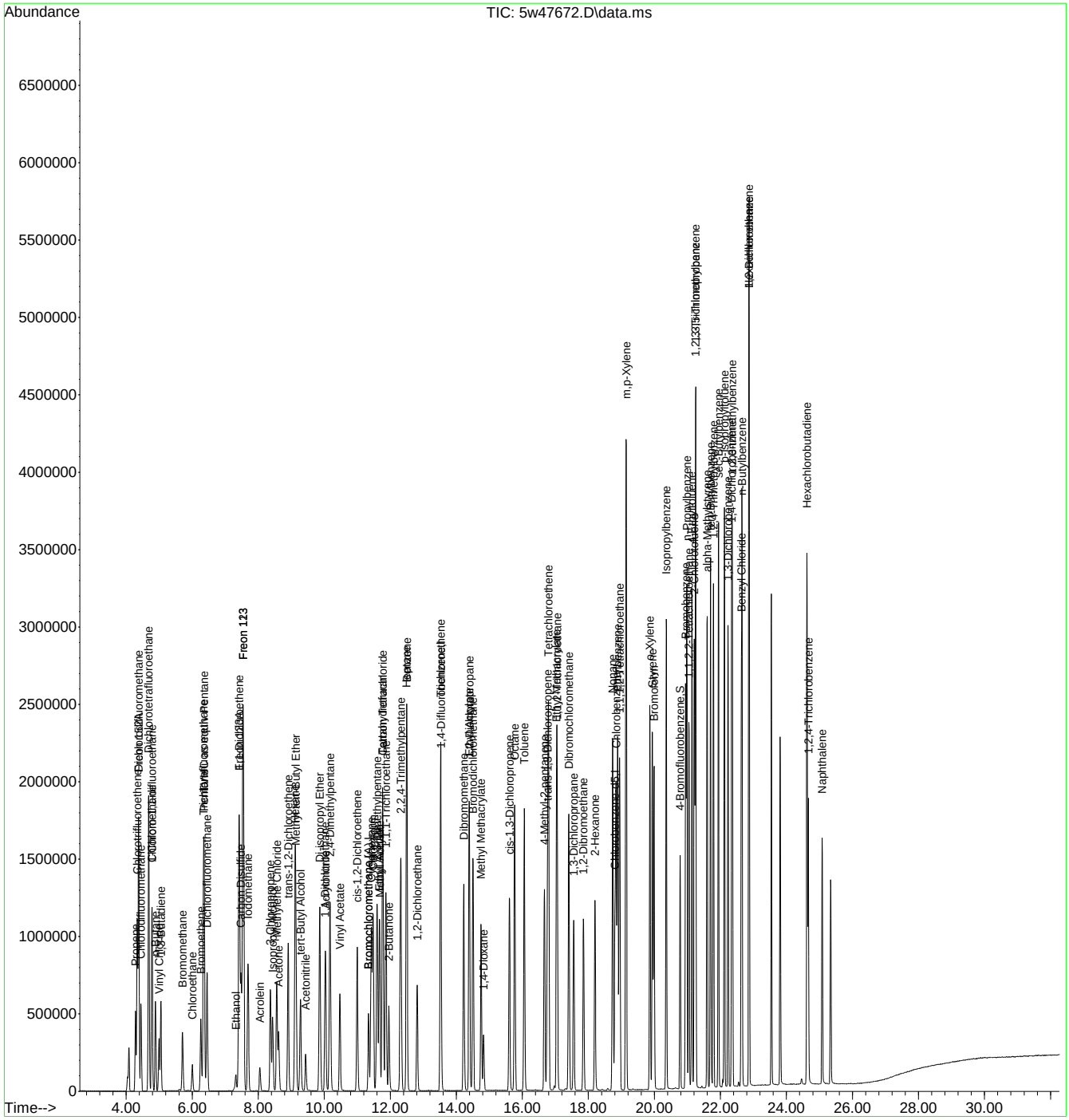
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47672.D
Acq On : 1 Feb 2022 12:16 am
Operator : danat
Sample : ic1969-20
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47673.D
Acq On : 1 Feb 2022 1:09 am
Operator : danat
Sample : ic1969-40
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:43 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.347	130	221873	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	13.537	114	766473	10.00	ppb(v	# 0.00
76) Chlorobenzene-d5	18.805	82	402553	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.347	130	221873	10.00	ppb(v	# 0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	544406	10.70	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 107.00%			
Target Compounds						Qvalue
2) Freon 152A	4.379	65	540405	49.69	ppb(v	87
3) Chlorodifluoromethane	4.447	67	289388	63.72	ppb(v	97
4) Propene	4.281	41	697618	66.60	ppb(v	97
5) Chlorotrifluoroethene	4.336	116	1301800	45.67	ppb(v	85
6) Dichlorodifluoromethane	4.379	85	3071332	51.00	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.783	65	2143665	59.83	ppb(v#	94
8) Chloromethane	4.783	50	797067	52.10	ppb(v	99
9) Dichlorotetrafluoroethane	4.685	85	2553850	46.94	ppb(v	95
10) Vinyl Chloride	4.997	62	872656	46.70	ppb(v#	99
11) 1,3-Butadiene	5.052	54	602037	50.13	ppb(v	91
12) n-Butane	4.887	58	131035	51.38	ppb(v	57
13) Bromomethane	5.707	94	634003	39.55	ppb(v	100
14) Chloroethane	6.007	64	382296	38.12	ppb(v	94
15) Dichlorofluoromethane	6.447	67	2025068	39.81	ppb(v	98
16) Acetonitrile	9.439	41	650009	44.69	ppb(v	97
17) Freon 123	7.548	83	1757407	33.94	ppb(v	99
18) Freon 123A	7.420	117	999934	36.73	ppb(v	84
19) Bromoethene	6.263	106	859359	36.74	ppb(v#	95
20) Acrolein	8.050	56	356324	40.99	ppb(v#	98
21) Trichlorofluoromethane	6.343	101	2460425	42.11	ppb(v	99
22) Acetone	8.619	58	352328	38.83	ppb(v	66
23) Pentane	6.367	57	205798	39.51	ppb(v	73
24) Iodomethane	7.695	142	2345646	34.98	ppb(v	87
25) Isopropyl Alcohol	8.435	43	297704	48.70	ppb(v	92
26) 1,1-Dichloroethene	7.426	61	1472162	41.39	ppb(v	89
27) Freon 113	7.542	101	1783927	34.25	ppb(v	95
28) Methylene Chloride	8.564	84	776264	34.08	ppb(v	83
29) Carbon Disulfide	7.481	76	2589852	35.91	ppb(v	99
30) Ethanol	7.322	45	314108	42.30	ppb(v	100
31) Acrylonitrile	10.044	53	603623	40.94	ppb(v	97
32) 3-Chloropropene	8.374	76	404505	39.02	ppb(v#	60
33) trans-1,2-Dichloroethene	8.906	61	1400998	40.92	ppb(v	90
34) tert-Butyl Alcohol	9.286	59	1911232	42.85	ppb(v	96
35) Methyl tert-Butyl Ether	9.139	73	2438976	37.84	ppb(v#	85
36) Vinyl Acetate	10.472	43	2447110	49.19	ppb(v	92
37) 1,1-Dichloroethane	10.032	63	1605464	39.76	ppb(v	99
38) 2-Butanone	11.959	72	389415	40.98	ppb(v#	56
39) Hexane	9.120	56	722277	40.40	ppb(v	86
40) cis-1,2-Dichloroethene	10.999	61	1327224	42.05	ppb(v	89
41) Di-isopropyl Ether	9.867	87	680313	38.05	ppb(v#	53
42) Ethyl Acetate	11.672	61	273547	41.30	ppb(v	64
43) Methyl Acrylate	11.684	55	1460038	42.96	ppb(v	94
44) Chloroform	11.482	83	2179663	40.25	ppb(v	96
45) 2,4-Dimethylpentane	10.179	57	1520643	39.17	ppb(v	97
46) Tetrahydrofuran	11.763	72	384437	38.59	ppb(v	74
47) 1,1,1-Trichloroethane	11.873	97	2155556	42.26	ppb(v	98
48) 1,2-Dichloroethane	12.816	62	1402830	47.86	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47673.D
Acq On : 1 Feb 2022 1:09 am
Operator : danat
Sample : ic1969-40
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:43 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Benzene	12.504	78	2405734	32.68	ppb(v	96
50)	Carbon Tetrachloride	11.776	117	2294155	43.94	ppb(v	98
51)	Cyclohexane	11.433	56	1331589	40.09	ppb(v	91
52)	2,3-Dimethylpentane	11.604	71	566467	38.67	ppb(v	84
54)	2,2,4-Trimethylpentane	12.320	57	4053417	42.42	ppb(v	95
55)	Heptane	12.497	71	774126	40.83	ppb(v	93
56)	Trichloroethene	13.525	97	834016	40.64	ppb(v	89
57)	1,2-Dichloropropane	14.394	63	986618	40.69	ppb(v	98
58)	Dibromomethane	14.229	174	1206984	38.26	ppb(v	82
59)	Ethyl Acrylate	14.394	55	2033731	48.45	ppb(v	96
60)	Methyl Methacrylate	14.755	69	969309	44.79	ppb(v	76
61)	1,4-Dioxane	14.828	88	608000	36.95	ppb(v#	90
62)	Bromodichloromethane	14.510	83	2315741	45.46	ppb(v	98
63)	cis-1,3-Dichloropropene	15.611	75	1789060	42.34	ppb(v	97
64)	4-Methyl-2-pentanone	16.670	58	867756	49.49	ppb(v	79
65)	trans-1,3-Dichloropropene	16.761	75	1586618	42.18	ppb(v	95
66)	Toluene	16.064	91	3242004	40.29	ppb(v	99
67)	1,1,2-Trichloroethane	17.055	97	1091156	38.34	ppb(v	95
68)	1,3-Dichloropropane	17.563	76	1558266	41.68	ppb(v#	86
69)	2-Hexanone	18.199	43	2121266	56.73	ppb(v#	88
70)	Ethyl Methacrylate	17.043	69	1552446	45.81	ppb(v	97
71)	Dibromochloromethane	17.410	129	2375522	44.44	ppb(v	99
72)	Tetrachloroethene	16.798	166	1625527	38.86	ppb(v	97
73)	1,2-Dibromoethane	17.857	107	1902410	41.32	ppb(v	98
74)	Octane	15.770	43	2163586	51.70	ppb(v	85
75)	1,1,1,2-Tetrachloroethane	18.952	131	1463727	40.56	ppb(v	99
77)	Chlorobenzene	18.841	112	2472544	34.59	ppb(v	92
78)	Ethylbenzene	18.890	91	4067515	36.60	ppb(v	97
79)	m,p-Xylene	19.147	91	5697863	70.62	ppb(v	96
80)	Styrene	19.943	104	2354491	40.16	ppb(v	95
81)	Nonane	18.744	43	2198020	46.24	ppb(v#	90
82)	o-Xylene	19.869	91	3350285	39.49	ppb(v	96
83)	Bromoform	19.992	173	2073367	37.91	ppb(v	98
84)	1,1,2,2-Tetrachloroethane	21.050	83	2360235	35.64	ppb(v	98
85)	1,2,3-Trichloropropane	21.246	75	1635991	33.06	ppb(v	96
86)	Isopropylbenzene	20.365	105	4331639	37.21	ppb(v	97
87)	Bromobenzene	20.946	156	1438840	37.63	ppb(v	81
88)	2-Chlorotoluene	21.215	126	1019324	35.84	ppb(v#	83
89)	n-Propylbenzene	20.983	120	1118099	39.54	ppb(v	88
91)	4-Ethyltoluene	21.142	105	4124686	40.22	ppb(v	97
92)	1,3,5-Trimethylbenzene	21.258	105	2987601	35.78	ppb(v	98
93)	alpha-Methylstyrene	21.601	118	1797946	44.03	ppb(v	98
94)	tert-Butylbenzene	21.705	134	674981	35.80	ppb(v	83
95)	1,2,4-Trimethylbenzene	21.790	105	3419639	42.43	ppb(v	97
96)	1,3-Dichlorobenzene	22.237	146	2252082	43.54	ppb(v	97
97)	1,2,3-trimethylbenzene	22.365	105	3140820	41.64	ppb(v	97
98)	Benzyl Chloride	22.634	126	603356	45.53	ppb(v	85
99)	1,4-Dichlorobenzene	22.347	146	2103130	43.02	ppb(v	97
100)	sec-Butylbenzene	21.943	134	856219	37.13	ppb(v	92
101)	p-Isopropyltoluene	22.127	134	991685	40.21	ppb(v	95
102)	1,2-Dichlorobenzene	22.879	146	1514812	34.71	ppb(v	98
103)	n-Butylbenzene	22.659	134	864208	44.93	ppb(v	84
104)	Hexachloroethane	22.861	201	966957	31.24	ppb(v	88
105)	1,2,4-Trichlorobenzene	24.666	180	1271944	69.23	ppb(v	98
106)	Naphthalene	25.082	128	2917032	64.21	ppb(v	99
107)	Hexachlorobutadiene	24.629	225	1339071	46.29	ppb(v	98
109)	TVHC as equiv Pentane	6.355	TIC	9540723	45.70	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47673.D
Acq On : 1 Feb 2022 1:09 am
Operator : danat
Sample : ic1969-40
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:43 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

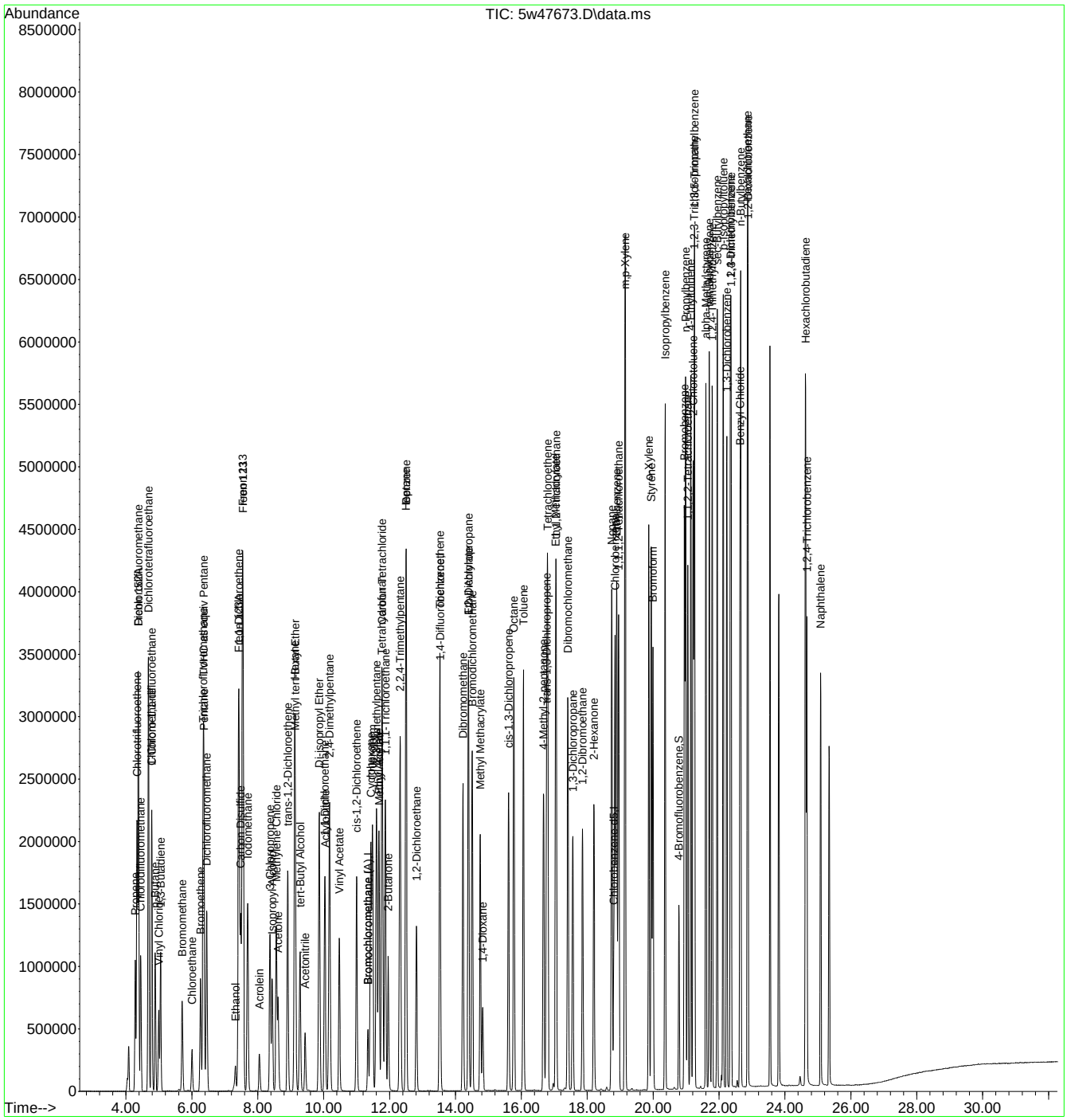
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47673.D
Acq On : 1 Feb 2022 1:09 am
Operator : danat
Sample : ic1969-40
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:19:43 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47674.D
Acq On : 1 Feb 2022 2:05 am
Operator : danat
Sample : ic1969-50
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:20:13 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.341	130	223497	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	13.538	114	749975	10.00	ppb(v	# 0.00
76) Chlorobenzene-d5	18.805	82	394193	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.341	130	223497	10.00	ppb(v	# 0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	546355	10.97	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 109.70%			
Target Compounds						Qvalue
2) Freon 152A	4.373	65	662755	60.50	ppb(v	89
3) Chlorodifluoromethane	4.441	67	357581	78.16	ppb(v	98
4) Propene	4.275	41	876727	83.09	ppb(v	98
5) Chlorotrifluoroethene	4.330	116	1598854	55.69	ppb(v	88
6) Dichlorodifluoromethane	4.373	85	3705582	61.08	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.777	65	2617261	72.52	ppb(v#	94
8) Chloromethane	4.777	50	985334	63.94	ppb(v	99
9) Dichlorotetrafluoroethane	4.679	85	3119852	56.93	ppb(v	95
10) Vinyl Chloride	4.991	62	1079313	57.34	ppb(v#	99
11) 1,3-Butadiene	5.046	54	737518	60.96	ppb(v	92
12) n-Butane	4.881	58	163393	63.61	ppb(v	55
13) Bromomethane	5.701	94	779420	48.27	ppb(v	98
14) Chloroethane	6.001	64	475572	47.08	ppb(v	94
15) Dichlorofluoromethane	6.447	67	2485341	48.50	ppb(v	99
16) Acetonitrile	9.433	41	809060	55.22	ppb(v	97
17) Freon 123	7.542	83	2101979	40.30	ppb(v	100
18) Freon 123A	7.414	117	1225181	44.67	ppb(v	85
19) Bromoethene	6.257	106	1054911	44.77	ppb(v#	96
20) Acrolein	8.044	56	437429	49.96	ppb(v#	98
21) Trichlorofluoromethane	6.337	101	2981945	50.66	ppb(v	100
22) Acetone	8.613	58	436179	47.72	ppb(v	69
23) Pentane	6.361	57	252463	48.11	ppb(v	75
24) Iodomethane	7.689	142	2856591	42.29	ppb(v	87
25) Isopropyl Alcohol	8.435	43	363101	58.97	ppb(v	92
26) 1,1-Dichloroethene	7.420	61	1792692	50.04	ppb(v	90
27) Freon 113	7.536	101	2137311	40.74	ppb(v	96
28) Methylene Chloride	8.558	84	961094	41.88	ppb(v	83
29) Carbon Disulfide	7.475	76	3204654	44.11	ppb(v	99
30) Ethanol	7.316	45	395243	52.84	ppb(v	99
31) Acrylonitrile	10.038	53	752972	50.70	ppb(v	98
32) 3-Chloropropene	8.368	76	499105	47.80	ppb(v#	61
33) trans-1,2-Dichloroethene	8.900	61	1739924	50.45	ppb(v	89
34) tert-Butyl Alcohol	9.280	59	2352804	52.37	ppb(v	95
35) Methyl tert-Butyl Ether	9.133	73	2968380	45.72	ppb(v#	84
36) Vinyl Acetate	10.473	43	3057856	61.02	ppb(v	93
37) 1,1-Dichloroethane	10.026	63	1982038	48.73	ppb(v	99
38) 2-Butanone	11.953	72	478773	50.02	ppb(v#	55
39) Hexane	9.114	56	881827	48.97	ppb(v	85
40) cis-1,2-Dichloroethene	10.999	61	1641021	51.61	ppb(v	90
41) Di-isopropyl Ether	9.861	87	839672	46.62	ppb(v#	51
42) Ethyl Acetate	11.666	61	335093	50.23	ppb(v	65
43) Methyl Acrylate	11.684	55	1794205	52.41	ppb(v	94
44) Chloroform	11.476	83	2661644	48.79	ppb(v	96
45) 2,4-Dimethylpentane	10.173	57	1872159	47.87	ppb(v	97
46) Tetrahydrofuran	11.757	72	463328	46.17	ppb(v	74
47) 1,1,1-Trichloroethane	11.867	97	2647015	51.52	ppb(v	99
48) 1,2-Dichloroethane	12.816	62	1732059	58.66	ppb(v	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47674.D
Acq On : 1 Feb 2022 2:05 am
Operator : danat
Sample : ic1969-50
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:20:13 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Benzene	12.504	78	2915192	39.31	ppb(v	97
50)	Carbon Tetrachloride	11.776	117	2730634	51.92	ppb(v	98
51)	Cyclohexane	11.427	56	1660336	49.63	ppb(v	90
52)	2,3-Dimethylpentane	11.604	71	694223	47.05	ppb(v	83
54)	2,2,4-Trimethylpentane	12.320	57	4982872	53.29	ppb(v	95
55)	Heptane	12.498	71	940926	50.72	ppb(v	94
56)	Trichloroethene	13.525	97	1026012	51.10	ppb(v	90
57)	1,2-Dichloropropane	14.394	63	1200763	50.62	ppb(v	99
58)	Dibromomethane	14.229	174	1460611	47.32	ppb(v	84
59)	Ethyl Acrylate	14.388	55	2461711	59.93	ppb(v	95
60)	Methyl Methacrylate	14.755	69	1200210	56.68	ppb(v	77
61)	1,4-Dioxane	14.828	88	743307	46.16	ppb(v#	90
62)	Bromodichloromethane	14.504	83	2829142	56.77	ppb(v	98
63)	cis-1,3-Dichloropropene	15.611	75	2215658	53.59	ppb(v	97
64)	4-Methyl-2-pentanone	16.676	58	1077759	62.81	ppb(v	81
65)	trans-1,3-Dichloropropene	16.762	75	1889584	51.34	ppb(v	96
66)	Toluene	16.064	91	3999096	50.80	ppb(v	98
67)	1,1,2-Trichloroethane	17.061	97	1313130	47.16	ppb(v	98
68)	1,3-Dichloropropane	17.563	76	1919984	52.48	ppb(v#	86
69)	2-Hexanone	18.199	43	2641812	72.21	ppb(v#	88
70)	Ethyl Methacrylate	17.043	69	1864416	56.22	ppb(v	97
71)	Dibromochloromethane	17.410	129	2876793	55.00	ppb(v	99
72)	Tetrachloroethene	16.798	166	1924498	47.02	ppb(v	97
73)	1,2-Dibromoethane	17.857	107	2327360	51.66	ppb(v	98
74)	Octane	15.777	43	2645835	64.62	ppb(v	86
75)	1,1,1,2-Tetrachloroethane	18.952	131	1754072	49.67	ppb(v	99
77)	Chlorobenzene	18.842	112	2997967	42.83	ppb(v	93
78)	Ethylbenzene	18.897	91	4919659	45.20	ppb(v	98
79)	m,p-Xylene	19.154	91	6637288	84.01	ppb(v	96
80)	Styrene	19.943	104	2887643	50.30	ppb(v	96
81)	Nonane	18.744	43	2644041	56.81	ppb(v#	90
82)	o-Xylene	19.869	91	4086851	49.19	ppb(v	96
83)	Bromoform	19.998	173	2467538	46.08	ppb(v	98
84)	1,1,2,2-Tetrachloroethane	21.050	83	2856449	44.05	ppb(v	98
85)	1,2,3-Trichloropropane	21.246	75	1831858	37.81	ppb(v	95
86)	Isopropylbenzene	20.365	105	5237233	45.94	ppb(v	97
87)	Bromobenzene	20.952	156	1750801	46.76	ppb(v	87
88)	2-Chlorotoluene	21.215	126	1223469	43.93	ppb(v#	83
89)	n-Propylbenzene	20.989	120	1341177	48.43	ppb(v	92
91)	4-Ethyltoluene	21.148	105	4983095	49.63	ppb(v	98
92)	1,3,5-Trimethylbenzene	21.264	105	3343475	40.89	ppb(v	96
93)	alpha-Methylstyrene	21.601	118	2196427	54.93	ppb(v	98
94)	tert-Butylbenzene	21.705	134	804834	43.60	ppb(v	85
95)	1,2,4-Trimethylbenzene	21.796	105	4130946	52.35	ppb(v	98
96)	1,3-Dichlorobenzene	22.237	146	2731121	53.92	ppb(v	97
97)	1,2,3-trimethylbenzene	22.365	105	3643702	49.33	ppb(v	97
98)	Benzyl Chloride	22.635	126	728267	56.12	ppb(v	87
99)	1,4-Dichlorobenzene	22.347	146	2456492	51.32	ppb(v	97
100)	sec-Butylbenzene	21.949	134	1032190	45.71	ppb(v	96
101)	p-Isopropyltoluene	22.127	134	1177156	48.74	ppb(v	95
102)	1,2-Dichlorobenzene	22.879	146	1595678	37.33	ppb(v	94
103)	n-Butylbenzene	22.659	134	1032536	54.82	ppb(v	85
104)	Hexachloroethane	22.861	201	1053082	34.75	ppb(v	89
105)	1,2,4-Trichlorobenzene	24.666	180	1627882	90.49	ppb(v	98
106)	Naphthalene	25.082	128	3774168	84.83	ppb(v	99
107)	Hexachlorobutadiene	24.629	225	1604849	56.66	ppb(v	98
109)	TVHC as equiv Pentane	6.349	TIC	11621818	55.26	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47674.D
Acq On : 1 Feb 2022 2:05 am
Operator : danat
Sample : ic1969-50
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:20:13 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration

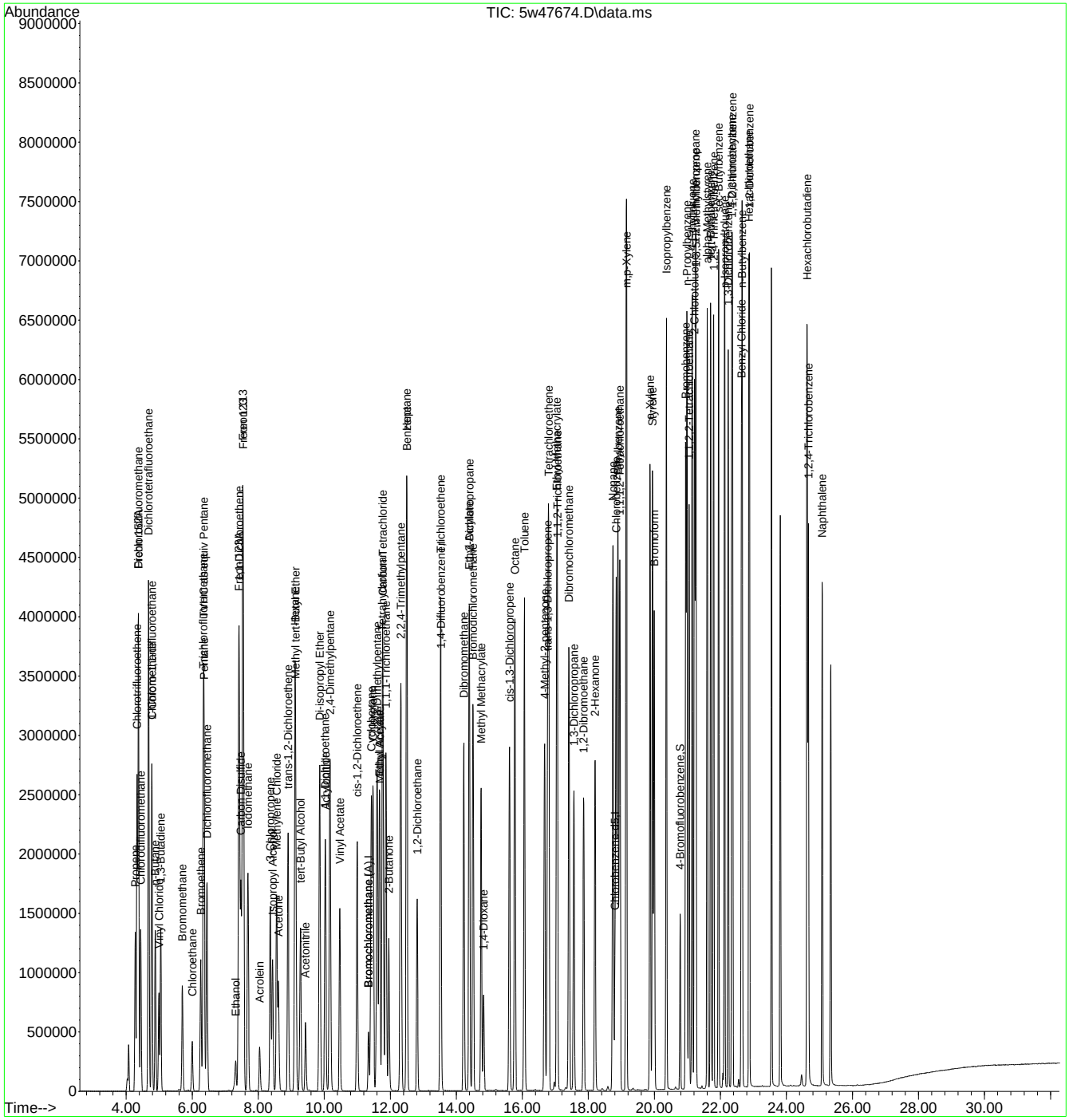
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47674.D
Acq On : 1 Feb 2022 2:05 am
Operator : danat
Sample : ic1969-50
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Feb 01 07:20:13 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Thu Jan 27 08:25:37 2022
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47679.D
Acq On : 1 Feb 2022 10:35 am
Operator : danat
Sample : ic1969-0.5
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:53:46 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 07:52:55 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.335	130	253931	10.00	ppb(v	# 0.00
53) 1,4-Difluorobenzene	13.531	114	979561	10.00	ppb(v	0.00
76) Chlorobenzene-d5	18.799	82	467157	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.335	130	253931	10.00	ppb(v	# 0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	577226	9.73	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 97.30%			
Target Compounds						Qvalue
2) Freon 152A	4.392	65	8126	0.50	ppb(v	88
3) Chlorodifluoromethane	4.465	67	4326	0.47	ppb(v	92
4) Propene	4.300	41	10818	0.52	ppb(v#	95
5) Chlorotrifluoroethene	4.349	116	20444	0.52	ppb(v	87
6) Dichlorodifluoromethane	4.385	85	48629	0.49	ppb(v	98
7) 1-Chloro-1,1-difluoroe...	4.789	65	33610	0.50	ppb(v	95
8) Chloromethane	4.795	50	12672	0.49	ppb(v	97
9) Dichlorotetrafluoroethane	4.691	85	41055	0.50	ppb(v	98
10) Vinyl Chloride	5.003	62	13058	0.49	ppb(v#	99
11) 1,3-Butadiene	5.058	54	9173	0.48	ppb(v#	82
12) n-Butane	4.893	58	2018	0.51	ppb(v#	81
13) Bromomethane	5.719	94	10204	0.47	ppb(v	98
14) Chloroethane	6.007	64	5830	0.50	ppb(v#	89
15) Dichlorofluoromethane	6.453	67	32632	0.50	ppb(v	99
16) Acetonitrile	9.451	41	12635	0.63	ppb(v	90
17) Freon 123	7.548	83	31537	0.51	ppb(v	98
18) Freon 123A	7.426	117	16693	0.51	ppb(v	88
19) Bromoethene	6.264	106	13612	0.52	ppb(v#	95
20) Acrolein	8.062	56	5809	0.45	ppb(v	94
21) Trichlorofluoromethane	6.343	101	41019	0.52	ppb(v	97
22) Acetone	8.637	58	5868	0.53	ppb(v	64
23) Pentane	6.361	57	3832	0.52	ppb(v	72
24) Iodomethane	7.689	142	40745	0.53	ppb(v	87
25) Isopropyl Alcohol	8.448	43	5395	0.57	ppb(v	79
26) 1,1-Dichloroethene	7.426	61	24072	0.51	ppb(v	92
27) Freon 113	7.536	101	32805	0.54	ppb(v	93
28) Methylene Chloride	8.558	84	14414	0.55	ppb(v#	81
29) Carbon Disulfide	7.481	76	41988	0.52	ppb(v	98
30) Ethanol	7.334	45	6343	0.63	ppb(v	96
31) Acrylonitrile	10.050	53	10632	0.57	ppb(v	94
32) 3-Chloropropene	8.368	76	6107	0.49	ppb(v	76
33) trans-1,2-Dichloroethene	8.906	61	21432	0.50	ppb(v	96
34) tert-Butyl Alcohol	9.304	59	31621	0.52	ppb(v#	89
35) Methyl tert-Butyl Ether	9.157	73	40419	0.51	ppb(v#	77
36) Vinyl Acetate	10.485	43	37231	0.52	ppb(v	93
37) 1,1-Dichloroethane	10.026	63	25558	0.51	ppb(v	98
38) 2-Butanone	11.977	72	5987	0.55	ppb(v#	58
39) Hexane	9.114	56	11997	0.47	ppb(v	90
40) cis-1,2-Dichloroethene	10.999	61	20435	0.50	ppb(v	95
41) Di-isopropyl Ether	9.873	87	10796	0.51	ppb(v	63
42) Ethyl Acetate	11.678	61	4189	0.54	ppb(v	58
43) Methyl Acrylate	11.696	55	23603	0.54	ppb(v	93
44) Chloroform	11.476	83	35784	0.51	ppb(v#	96
45) 2,4-Dimethylpentane	10.167	57	24490	0.50	ppb(v	98
46) Tetrahydrofuran	11.782	72	6551	0.55	ppb(v	78
47) 1,1,1-Trichloroethane	11.861	97	36324	0.52	ppb(v	97
48) 1,2-Dichloroethane	12.816	62	22446	0.52	ppb(v#	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47679.D
Acq On : 1 Feb 2022 10:35 am
Operator : danat
Sample : ic1969-0.5
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:53:46 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 07:52:55 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Benzene	12.504	78	43798	0.50	ppb(v	97
50)	Carbon Tetrachloride	11.770	117	38060	0.53	ppb(v	99
51)	Cyclohexane	11.421	56	20698	0.47	ppb(v	92
52)	2,3-Dimethylpentane	11.598	71	9411	0.49	ppb(v	98
54)	2,2,4-Trimethylpentane	12.308	57	65233	0.49	ppb(v	94
55)	Heptane	12.491	71	13767	0.43	ppb(v	95
56)	Trichloroethene	13.525	97	14023	0.49	ppb(v#	46
57)	1,2-Dichloropropane	14.394	63	16859	0.52	ppb(v	98
58)	Dibromomethane	14.229	174	20784	0.49	ppb(v	88
59)	Ethyl Acrylate	14.406	55	33738	0.55	ppb(v	97
60)	Methyl Methacrylate	14.761	69	15572	0.47	ppb(v	80
61)	1,4-Dioxane	14.847	88	13093	0.64	ppb(v#	91
62)	Bromodichloromethane	14.504	83	37521	0.49	ppb(v	98
63)	cis-1,3-Dichloropropene	15.611	75	26657	0.46	ppb(v	95
64)	4-Methyl-2-pentanone	16.676	58	15101	0.58	ppb(v	78
65)	trans-1,3-Dichloropropene	16.762	75	25386	0.46	ppb(v	95
66)	Toluene	16.058	91	53114	0.49	ppb(v	99
67)	1,1,2-Trichloroethane	17.055	97	19842	0.50	ppb(v	98
68)	1,3-Dichloropropane	17.557	76	25858	0.51	ppb(v#	86
69)	2-Hexanone	18.211	43	42126	0.65	ppb(v	90
70)	Ethyl Methacrylate	17.043	69	26626	0.48	ppb(v#	82
71)	Dibromochloromethane	17.404	129	38402	0.51	ppb(v	98
72)	Tetrachloroethene	16.786	166	30239	0.52	ppb(v	95
73)	1,2-Dibromoethane	17.851	107	31966	0.52	ppb(v	98
74)	Octane	15.764	43	34189	0.49	ppb(v	89
75)	1,1,1,2-Tetrachloroethane	18.946	131	25900	0.52	ppb(v	98
77)	Chlorobenzene	18.835	112	42843	0.53	ppb(v	93
78)	Ethylbenzene	18.884	91	69379	0.52	ppb(v	98
79)	m,p-Xylene	19.141	91	108044	1.08	ppb(v	98
80)	Styrene	19.943	104	37450	0.53	ppb(v	96
81)	Nonane	18.731	43	32946	0.49	ppb(v	91
82)	o-Xylene	19.863	91	54607	0.51	ppb(v	97
83)	Bromoform	19.986	173	36832	0.60	ppb(v	97
84)	1,1,2,2-Tetrachloroethane	21.044	83	40914	0.53	ppb(v	99
85)	1,2,3-Trichloropropane	21.240	75	33676	0.56	ppb(v	97
86)	Isopropylbenzene	20.359	105	76349	0.54	ppb(v	97
87)	Bromobenzene	20.946	156	25048	0.54	ppb(v	84
88)	2-Chlorotoluene	21.209	126	18837	0.56	ppb(v	92
89)	n-Propylbenzene	20.983	120	19435	0.57	ppb(v	96
91)	4-Ethyltoluene	21.136	105	69440	0.55	ppb(v	96
92)	1,3,5-Trimethylbenzene	21.252	105	59925	0.57	ppb(v	98
93)	alpha-Methylstyrene	21.601	118	25954	0.51	ppb(v	92
94)	tert-Butylbenzene	21.699	134	12712	0.54	ppb(v	92
95)	1,2,4-Trimethylbenzene	21.790	105	55041	0.53	ppb(v	97
96)	1,3-Dichlorobenzene	22.231	146	33959	0.53	ppb(v	96
97)	1,2,3-trimethylbenzene	22.359	105	53766	0.55	ppb(v#	96
98)	Benzyl Chloride	22.635	126	8313	0.49	ppb(v	92
99)	1,4-Dichlorobenzene	22.341	146	32961	0.54	ppb(v	97
100)	sec-Butylbenzene	21.937	134	15490	0.54	ppb(v	94
101)	p-Isopropyltoluene	22.121	134	16165	0.50	ppb(v	97
102)	1,2-Dichlorobenzene	22.867	146	32260	0.58	ppb(v	98
103)	n-Butylbenzene	22.653	134	12905	0.48	ppb(v	75
104)	Hexachloroethane	22.861	201	22945	0.58	ppb(v	84
105)	1,2,4-Trichlorobenzene	24.666	180	11662	0.43	ppb(v	97
106)	Naphthalene	25.088	128	40415	0.65	ppb(v	99
107)	Hexachlorobutadiene	24.623	225	20766	0.51	ppb(v	98
109)	TVHC as equiv Pentane	6.355	TIC	146119	0.49	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47679.D
Acq On : 1 Feb 2022 10:35 am
Operator : danat
Sample : ic1969-0.5
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:53:46 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 07:52:55 2022
Response via : Initial Calibration

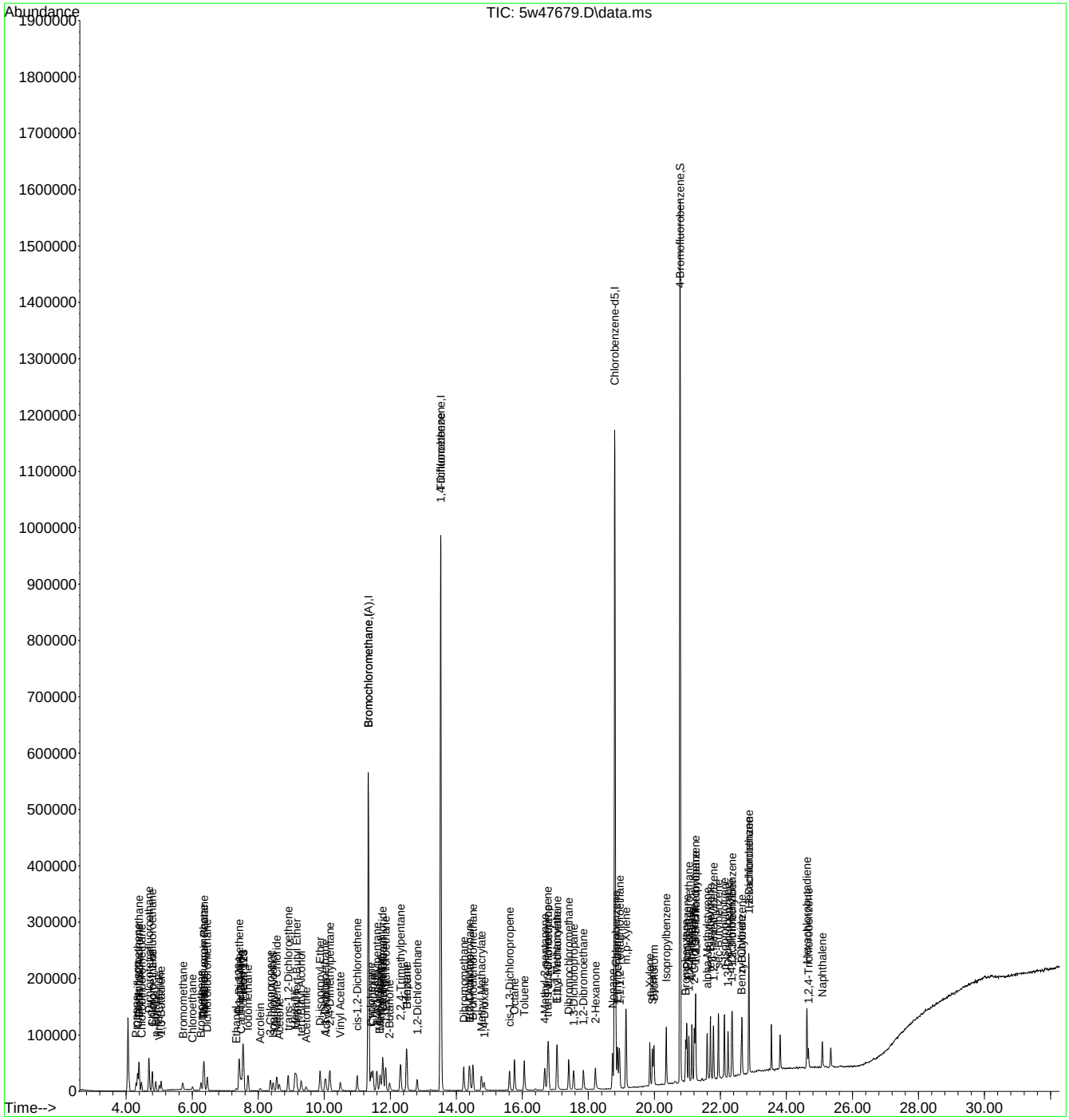
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47679.D
Acq On : 1 Feb 2022 10:35 am
Operator : danat
Sample : ic1969-0.5
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:53:46 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 07:52:55 2022
Response via : Initial Calibration



5W47680.D

Manual Integrations APPROVED (compounds with "m" flag)

Dana Tryon 02/02/22 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47680.D
Acq On : 1 Feb 2022 11:23 am
Operator : danat
Sample : ic1969-0.2
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:59:01 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:56:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.341	130	243938	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	13.531	114	948746	10.00	ppb(v	0.00
76) Chlorobenzene-d5	18.805	82	453009	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.341	130	243938	10.00	ppb(v	0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	537197	9.03	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 90.30%			
Target Compounds						Qvalue
2) Freon 152A	4.392	65	3293	0.21	ppb(v	99
3) Chlorodifluoromethane	4.459	67	1703	0.21	ppb(v	97
4) Propene	4.300	41	4807	0.25	ppb(v#	95
5) Chlorotrifluoroethene	4.343	116	7897	0.21	ppb(v	97
6) Dichlorodifluoromethane	4.385	85	19791	0.22	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.789	65	13328	0.21	ppb(v#	68
8) Chloromethane	4.795	50	5195	0.22	ppb(v	98
9) Dichlorotetrafluoroethane	4.691	85	16899	0.22	ppb(v	98
10) Vinyl Chloride	5.009	62	5366	0.21	ppb(v#	97
11) 1,3-Butadiene	5.058	54	3730	0.21	ppb(v	93
12) n-Butane	4.893	58	749	0.20	ppb(v#	71
13) Bromomethane	5.713	94	4493	0.24	ppb(v	99
14) Chloroethane	6.007	64	2313	0.21	ppb(v	93
15) Dichlorofluoromethane	6.459	67	13483	0.23	ppb(v	97
16) Acetonitrile	9.463	41	5887	0.30	ppb(v	92
17) Freon 123	7.548	83	13268	0.24	ppb(v	95
18) Freon 123A	7.426	117	7064	0.23	ppb(v	93
19) Bromoethene	6.270	106	5596	0.22	ppb(v	95
20) Acrolein	8.087	56	2219	0.22	ppb(v#	87
21) Trichlorofluoromethane	6.349	101	16646	0.23	ppb(v	97
22) Acetone	8.656	58	2501	0.24	ppb(v	84
23) Pentane	6.368	57	2123	0.34	ppb(v	77
24) Iodomethane	7.695	142	16264	0.23	ppb(v	93
25) Isopropyl Alcohol	8.472	43	2051	0.23	ppb(v	81
26) 1,1-Dichloroethene	7.426	61	9945	0.23	ppb(v	96
27) Freon 113	7.542	101	13612	0.24	ppb(v	99
28) Methylene Chloride	8.564	84	7084	0.30	ppb(v	95
29) Carbon Disulfide	7.481	76	16680	0.22	ppb(v	97
30) Ethanol	7.359	45	2508	0.26	ppb(v#	92
31) Acrylonitrile	10.069	53	4299	0.24	ppb(v	94
32) 3-Chloropropene	8.380	76	2410	0.21	ppb(v	97
33) trans-1,2-Dichloroethene	8.913	61	8750	0.21	ppb(v	98
34) tert-Butyl Alcohol	9.322	59	12471	0.22	ppb(v	93
35) Methyl tert-Butyl Ether	9.170	73	17825	0.24	ppb(v#	75
36) Vinyl Acetate	10.509	43	14943	0.22	ppb(v	99
37) 1,1-Dichloroethane	10.032	63	10430	0.22	ppb(v	99
38) 2-Butanone	12.002	72	2169	0.19	ppb(v#	97
39) Hexane	9.121	56	5097	0.24	ppb(v	83
40) cis-1,2-Dichloroethene	11.005	61	8380	0.22	ppb(v	97
41) Di-isopropyl Ether	9.891	87	4355	0.22	ppb(v	97
42) Ethyl Acetate	11.702	61	1664	0.21	ppb(v#	85
43) Methyl Acrylate	11.721	55	9443	0.22	ppb(v	95
44) Chloroform	11.482	83	14689	0.23	ppb(v	97
45) 2,4-Dimethylpentane	10.173	57	10665	0.24	ppb(v	94
46) Tetrahydrofuran	11.806	72	2568	0.22	ppb(v	87
47) 1,1,1-Trichloroethane	11.867	97	14851	0.23	ppb(v	99
48) 1,2-Dichloroethane	12.822	62	8877	0.21	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47680.D
Acq On : 1 Feb 2022 11:23 am
Operator : danat
Sample : ic1969-0.2
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:59:01 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:56:42 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Benzene	12.504	78	18809	0.25	ppb(v	99
50) Carbon Tetrachloride	11.770	117	15026	0.22	ppb(v	96
51) Cyclohexane	11.421	56	8648	0.22	ppb(v	96
52) 2,3-Dimethylpentane	11.598	71	3908	0.23	ppb(v	93
54) 2,2,4-Trimethylpentane	12.314	57	27317	0.21	ppb(v	99
55) Heptane	12.498	71	5841	0.23	ppb(v	94
56) Trichloroethene	13.531	97	5704	0.21	ppb(v#	1
57) 1,2-Dichloropropane	14.400	63	6606	0.21	ppb(v	95
58) Dibromomethane	14.235	174	8450	0.22	ppb(v	97
59) Ethyl Acrylate	14.437	55	13037	0.20	ppb(v#	69
60) Methyl Methacrylate	14.779	69	5927	0.19	ppb(v	93
61) 1,4-Dioxane	14.853	88	5073	0.25	ppb(v	90
62) Bromodichloromethane	14.510	83	15347	0.21	ppb(v	99
63) cis-1,3-Dichloropropene	15.618	75	11859	0.22	ppb(v	96
64) 4-Methyl-2-pentanone	16.688	58	5216	0.19	ppb(v	89
65) trans-1,3-Dichloropropene	16.768	75	10973	0.22	ppb(v	93
66) Toluene	16.064	91	22271	0.22	ppb(v	100
67) 1,1,2-Trichloroethane	17.061	97	8196	0.22	ppb(v	96
68) 1,3-Dichloropropane	17.557	76	10288	0.21	ppb(v	89
69) 2-Hexanone	18.224	43	15526	0.23	ppb(v	93
70) Ethyl Methacrylate	17.061	69	10056	0.20	ppb(v#	59
71) Dibromochloromethane	17.410	129	15192	0.20	ppb(v#	98
72) Tetrachloroethene	16.792	166	11929	0.22	ppb(v	98
73) 1,2-Dibromoethane	17.857	107	12512	0.21	ppb(v	99
74) Octane	15.764	43	14336	0.21	ppb(v	98
75) 1,1,1,2-Tetrachloroethane	18.946	131	10617	0.22	ppb(v	93
77) Chlorobenzene	18.835	112	17325	0.23	ppb(v	91
78) Ethylbenzene	18.891	91	28260	0.23	ppb(v#	98
79) m,p-Xylene	19.148	91	43798	0.47	ppb(v	98
80) Styrene	19.949	104	13701	0.19	ppb(v#	96
81) Nonane	18.738	43	15322	0.24	ppb(v	98
82) o-Xylene	19.869	91	22009	0.22	ppb(v#	97
83) Bromoform	19.992	173	14062	0.21	ppb(v	97
84) 1,1,2,2-Tetrachloroethane	21.044	83	16404	0.22	ppb(v	98
85) 1,2,3-Trichloropropane	21.246	75	13010	0.23	ppb(v	98
86) Isopropylbenzene	20.365	105	29569	0.22	ppb(v	97
87) Bromobenzene	20.952	156	9545	0.21	ppb(v	96
88) 2-Chlorotoluene	21.215	126	7449	0.23	ppb(v	87
89) n-Propylbenzene	20.983	120	6975	0.20	ppb(v	86
91) 4-Ethyltoluene	21.142	105	24883	0.19	ppb(v	97
92) 1,3,5-Trimethylbenzene	21.252	105	21781	0.22	ppb(v#	92
93) alpha-Methylstyrene	21.601	118	8627	0.16	ppb(v	96
94) tert-Butylbenzene	21.699	134	4930	0.23	ppb(v	93
95) 1,2,4-Trimethylbenzene	21.796	105	19339	0.18	ppb(v#	97
96) 1,3-Dichlorobenzene	22.237	146	11396	0.17	ppb(v	98
97) 1,2,3-trimethylbenzene	22.365	105	18609	0.19	ppb(v#	97
98) Benzyl Chloride	22.641	126	2752	0.15	ppb(v	99
99) 1,4-Dichlorobenzene	22.347	146	10589	0.16	ppb(v	97
100) sec-Butylbenzene	21.943	134	5620	0.21	ppb(v	89
101) p-Isopropyltoluene	22.127	134	5972	0.20	ppb(v	87
102) 1,2-Dichlorobenzene	22.867	146	11138	0.20	ppb(v	97
103) n-Butylbenzene	22.659	134	4983	0.19	ppb(v	93
104) Hexachloroethane	22.861	201	8757	0.25	ppb(v	84
105) 1,2,4-Trichlorobenzene	24.672	180	3198	0.10	ppb(v	94
106) Naphthalene	25.094	128	11794	0.16	ppb(v	96
107) Hexachlorobutadiene	24.623	225	7469	0.19	ppb(v#	88
109) TVHC as equiv Pentane	6.355	TIC	62773m	0.22	ppb(v	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47680.D
Acq On : 1 Feb 2022 11:23 am
Operator : danat
Sample : ic1969-0.2
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:59:01 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:56:42 2022
Response via : Initial Calibration

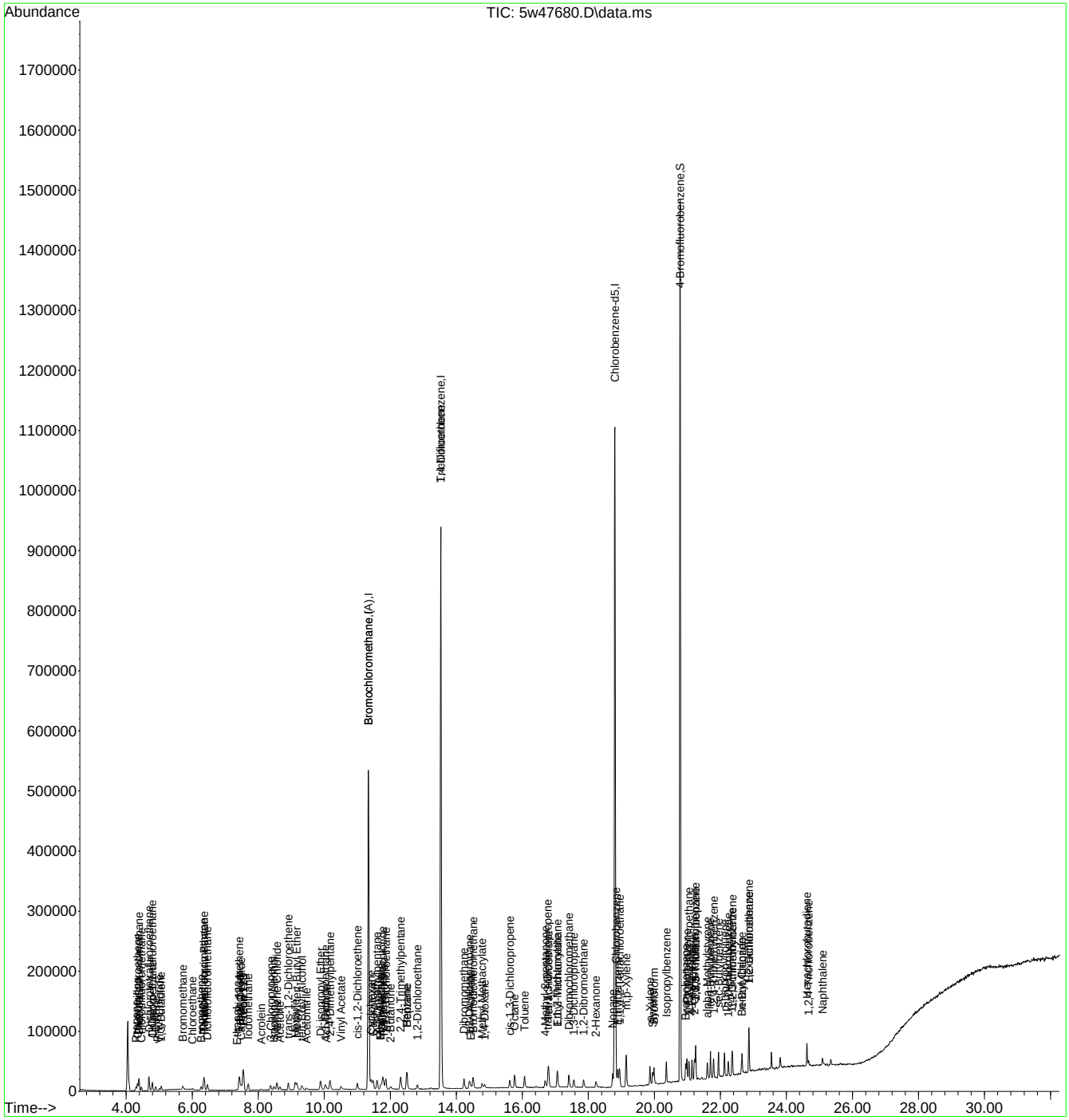
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47680.D
Acq On : 1 Feb 2022 11:23 am
Operator : danat
Sample : ic1969-0.2
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:59:01 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:56:42 2022
Response via : Initial Calibration



Manual Integration Approval Summary

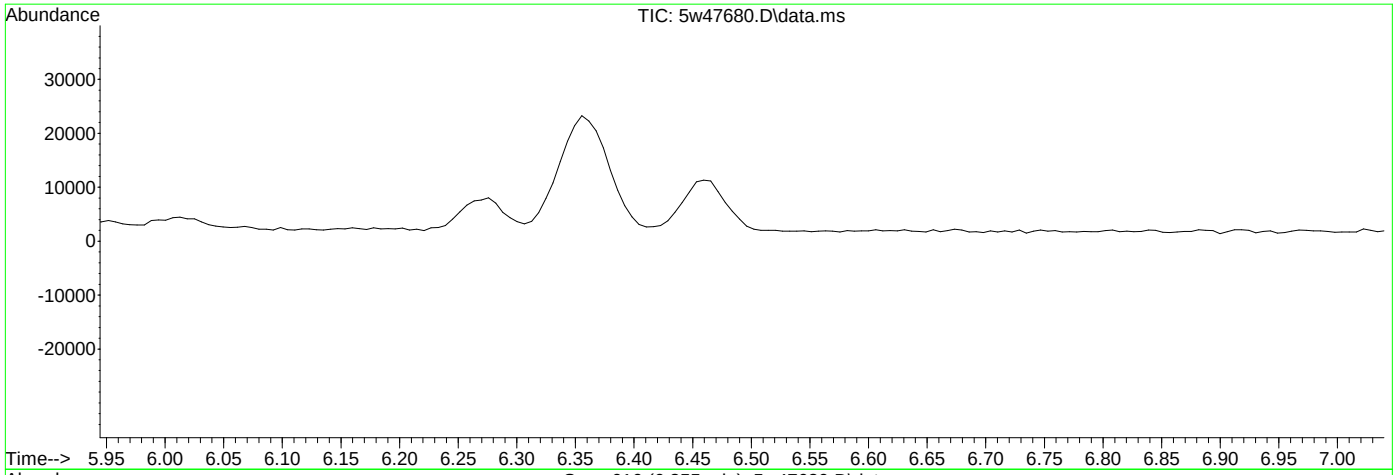
Sample Number:	V5W1969-IC1969	**Method:**	TO-15
Lab FileID:	5W47680.D	**Analyst approved:**	02/01/22 16:19 Dana Tryon
Injection Time:	02/01/22 11:23	**Supervisor approved:**	02/02/22 15:02 Dana Tryon

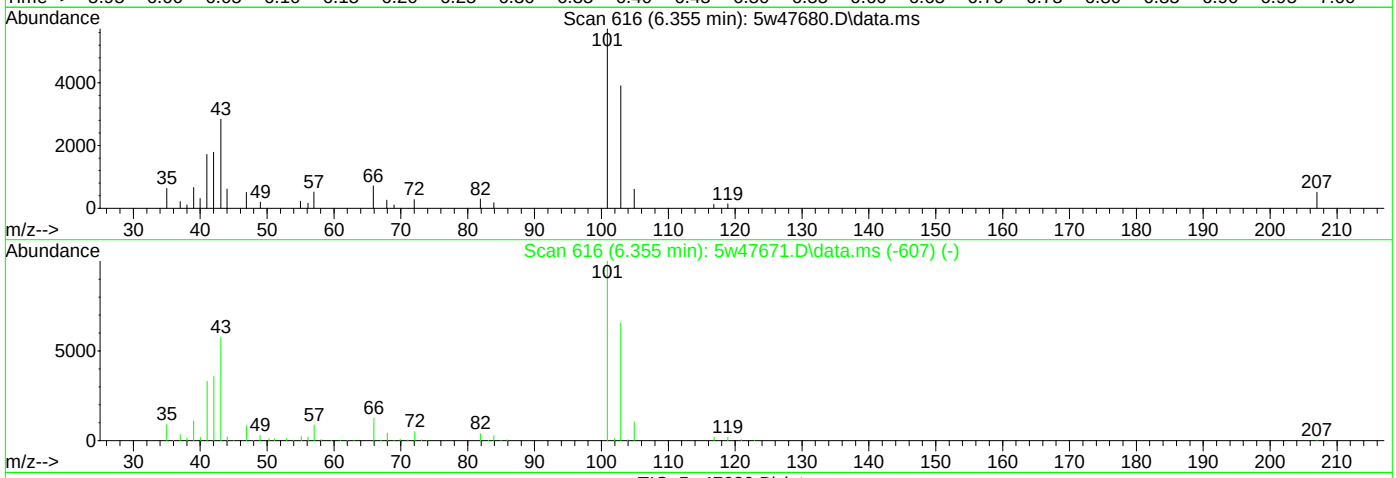
Parameter	CAS	Sig#	R.T. (min.)	Reason
TVHC As Equiv Pentane			6.36	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w47680.D
Acq On : 1 Feb 2022 11:23 am
Operator : danat
Sample : ic1969-0.2
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:56:53 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:56:42 2022
Response via : Initial Calibration





TIC: 5w47680.D\data.ms

(109) TVHC as equiv Pentane

6.355min (-6.355) 0.00ppb(v)

response 0

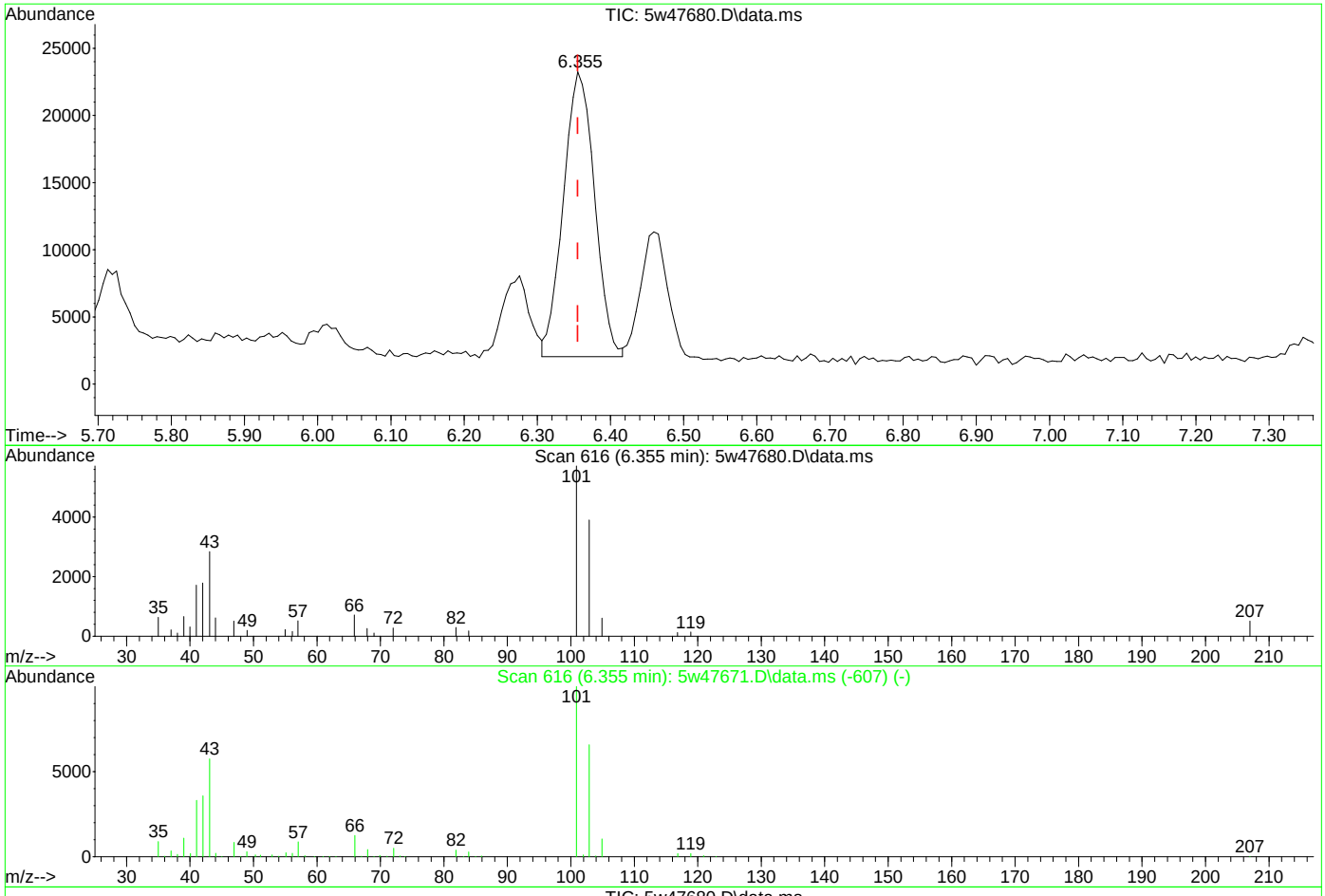
Signal	Exp%	Act%
TIC	100	0.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

5W47680.D edits: TVHC as equiv Pentane

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w47680.D
Acq On : 1 Feb 2022 11:23 am
Operator : danat
Sample : ic1969-0.2
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 11:56:53 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:56:42 2022
Response via : Initial Calibration



TIC: 5w47680.D\data.ms

(109) TVHC as equiv Pentane

6.355min (+0.000) 0.22ppb(v) m

response 62773

Signal	Exp%	Act%
TIC	100	100
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47681.D
Acq On : 1 Feb 2022 12:12 pm
Operator : danat
Sample : ic1969-0.1
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 13:07:08 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:59:16 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.335	130	245145	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	13.531	114	945078	10.00	ppb(v	0.00
76) Chlorobenzene-d5	18.799	82	445169	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.335	130	245145	10.00	ppb(v	0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	521613	9.05	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 90.50%			
Target Compounds						Qvalue
2) Freon 152A	4.392	65	1651	0.11	ppb(v	96
3) Chlorodifluoromethane	4.465	67	950	0.11	ppb(v	99
5) Chlorotrifluoroethene	4.343	116	4144	0.11	ppb(v	94
6) Dichlorodifluoromethane	4.392	85	10610	0.12	ppb(v	97
7) 1-Chloro-1,1-difluoroe...	4.795	65	7405	0.12	ppb(v#	83
8) Chloromethane	4.795	50	3035	0.13	ppb(v	93
9) Dichlorotetrafluoroethane	4.691	85	8884	0.11	ppb(v	98
10) Vinyl Chloride	5.010	62	2816	0.11	ppb(v#	93
11) 1,3-Butadiene	5.058	54	1944	0.11	ppb(v	94
12) n-Butane	4.893	58	354	0.09	ppb(v#	65
13) Bromomethane	5.719	94	2529	0.13	ppb(v	96
14) Chloroethane	6.007	64	1316	0.12	ppb(v#	88
15) Dichlorofluoromethane	6.453	67	7192	0.12	ppb(v	94
16) Acetonitrile	9.463	41	2421	0.11	ppb(v#	84
17) Freon 123	7.548	83	6901	0.12	ppb(v	96
18) Freon 123A	7.432	117	3535	0.11	ppb(v	88
19) Bromoethene	6.270	106	2967	0.12	ppb(v	96
20) Acrolein	8.075	56	1249	0.12	ppb(v#	84
21) Trichlorofluoromethane	6.349	101	8877	0.12	ppb(v	98
22) Acetone	8.656	58	1292	0.12	ppb(v	90
24) Iodomethane	7.695	142	8556	0.12	ppb(v	99
26) 1,1-Dichloroethene	7.426	61	5182	0.11	ppb(v	96
27) Freon 113	7.536	101	7149	0.12	ppb(v	97
29) Carbon Disulfide	7.481	76	8859	0.11	ppb(v	99
31) Acrylonitrile	10.075	53	1963	0.11	ppb(v	94
32) 3-Chloropropene	8.380	76	1292	0.11	ppb(v	93
33) trans-1,2-Dichloroethene	8.906	61	4422	0.11	ppb(v	89
34) tert-Butyl Alcohol	9.322	59	6579	0.11	ppb(v#	87
35) Methyl tert-Butyl Ether	9.176	73	9070	0.12	ppb(v#	74
37) 1,1-Dichloroethane	10.032	63	5571	0.12	ppb(v#	93
38) 2-Butanone	12.014	72	979	0.09	ppb(v#	81
39) Hexane	9.114	56	2750	0.12	ppb(v	93
40) cis-1,2-Dichloroethene	11.005	61	4286	0.11	ppb(v	88
41) Di-isopropyl Ether	9.891	87	2219	0.11	ppb(v	79
42) Ethyl Acetate	11.715	61	656	0.08	ppb(v#	80
43) Methyl Acrylate	11.733	55	5345	0.12	ppb(v	92
44) Chloroform	11.476	83	7853	0.12	ppb(v	96
45) 2,4-Dimethylpentane	10.173	57	6139	0.13	ppb(v	91
46) Tetrahydrofuran	11.806	72	1252	0.10	ppb(v	88
47) 1,1,1-Trichloroethane	11.867	97	7874	0.12	ppb(v	97
48) 1,2-Dichloroethane	12.822	62	4516	0.11	ppb(v#	91
49) Benzene	12.510	78	10818	0.14	ppb(v	92
50) Carbon Tetrachloride	11.770	117	7726	0.11	ppb(v	96
51) Cyclohexane	11.421	56	4597	0.12	ppb(v	93
52) 2,3-Dimethylpentane	11.598	71	2038	0.12	ppb(v	88
54) 2,2,4-Trimethylpentane	12.314	57	15104	0.12	ppb(v	96
55) Heptane	12.491	71	2974	0.11	ppb(v	91

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47681.D
Acq On : 1 Feb 2022 12:12 pm
Operator : danat
Sample : ic1969-0.1
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 13:07:08 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:59:16 2022
Response via : Initial Calibration

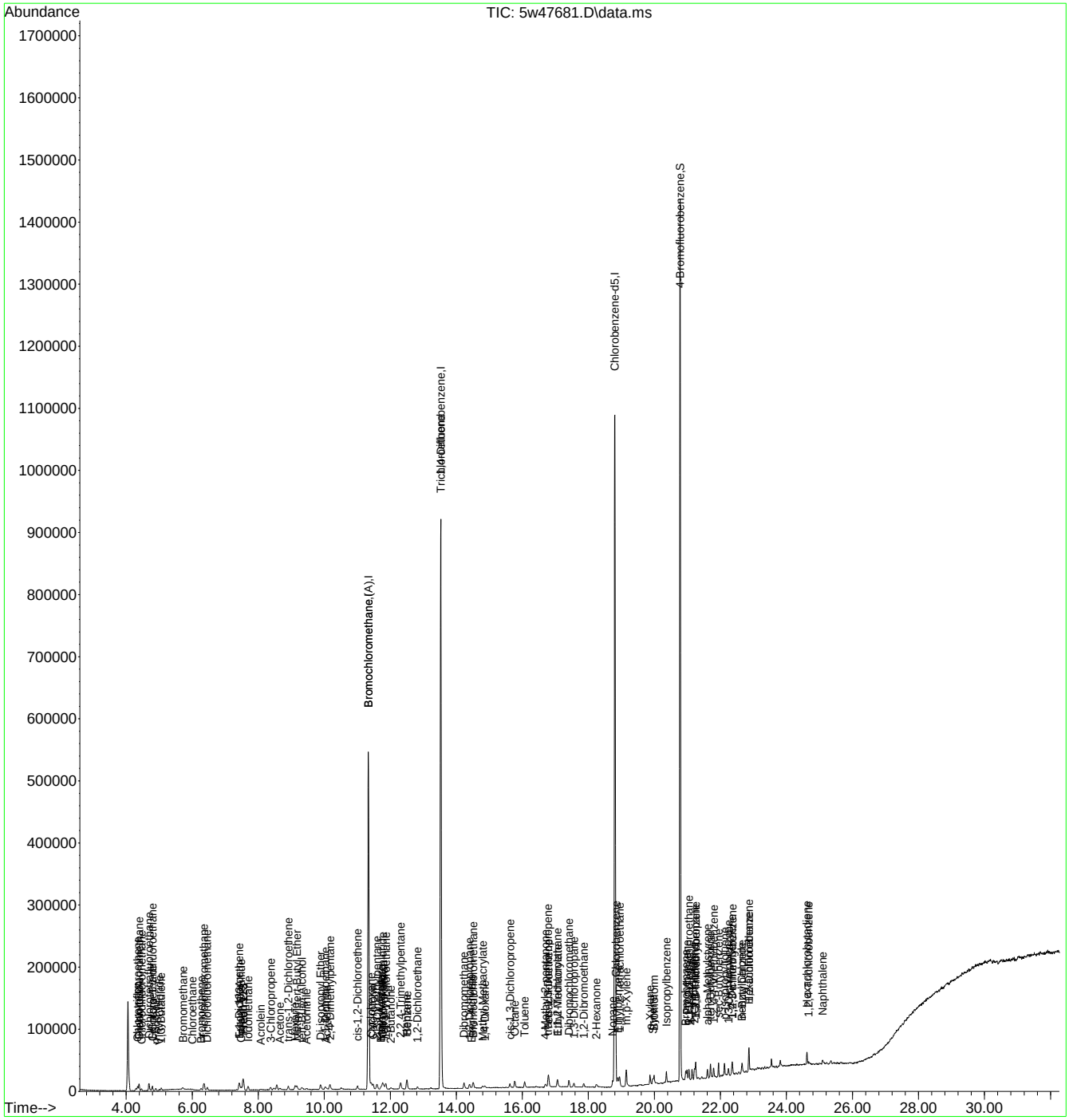
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
56)	Trichloroethene	13.525	97	2872	0.11	ppb(v#	1
57)	1,2-Dichloropropane	14.400	63	3444	0.11	ppb(v#	91
58)	Dibromomethane	14.235	174	4587	0.12	ppb(v	97
59)	Ethyl Acrylate	14.461	55	6508	0.10	ppb(v#	13
60)	Methyl Methacrylate	14.798	69	3030	0.10	ppb(v	99
61)	1,4-Dioxane	14.859	88	2654	0.13	ppb(v#	86
62)	Bromodichloromethane	14.510	83	7929	0.11	ppb(v	98
63)	cis-1,3-Dichloropropene	15.624	75	6239	0.11	ppb(v#	87
64)	4-Methyl-2-pentanone	16.694	58	2478	0.09	ppb(v#	84
65)	trans-1,3-Dichloropropene	16.774	75	6412	0.13	ppb(v#	87
66)	Toluene	16.070	91	11357	0.11	ppb(v	94
67)	1,1,2-Trichloroethane	17.061	97	4376	0.12	ppb(v	94
68)	1,3-Dichloropropane	17.563	76	5287	0.11	ppb(v#	35
69)	2-Hexanone	18.242	43	8758	0.13	ppb(v#	91
70)	Ethyl Methacrylate	17.074	69	5103	0.10	ppb(v#	74
71)	Dibromochloromethane	17.410	129	8117	0.11	ppb(v#	97
72)	Tetrachloroethene	16.792	166	6122	0.11	ppb(v	97
73)	1,2-Dibromoethane	17.863	107	6529	0.11	ppb(v	99
74)	Octane	15.771	43	8484	0.12	ppb(v	94
75)	1,1,1,2-Tetrachloroethane	18.946	131	5592	0.11	ppb(v	89
77)	Chlorobenzene	18.836	112	9300	0.12	ppb(v	85
78)	Ethylbenzene	18.897	91	15019	0.12	ppb(v#	95
79)	m,p-Xylene	19.148	91	22439	0.24	ppb(v#	96
80)	Styrene	19.955	104	6848	0.10	ppb(v#	87
81)	Nonane	18.732	43	9015	0.14	ppb(v#	93
82)	o-Xylene	19.869	91	11431	0.11	ppb(v#	95
83)	Bromoform	19.992	173	7199	0.11	ppb(v	95
84)	1,1,2,2-Tetrachloroethane	21.044	83	8280	0.11	ppb(v	100
85)	1,2,3-Trichloropropane	21.246	75	6683	0.12	ppb(v	98
86)	Isopropylbenzene	20.365	105	15138	0.11	ppb(v#	92
87)	Bromobenzene	20.952	156	5007	0.11	ppb(v	81
88)	2-Chlorotoluene	21.215	126	3629	0.11	ppb(v	93
89)	n-Propylbenzene	20.989	120	3412	0.10	ppb(v	92
91)	4-Ethyltoluene	21.142	105	11853	0.09	ppb(v#	94
92)	1,3,5-Trimethylbenzene	21.258	105	10965	0.11	ppb(v	93
93)	alpha-Methylstyrene	21.607	118	4453	0.09	ppb(v	96
94)	tert-Butylbenzene	21.699	134	2736	0.13	ppb(v	77
95)	1,2,4-Trimethylbenzene	21.797	105	9549	0.09	ppb(v#	91
96)	1,3-Dichlorobenzene	22.243	146	5714	0.09	ppb(v#	89
97)	1,2,3-trimethylbenzene	22.365	105	9447	0.10	ppb(v#	96
98)	Benzyl Chloride	22.647	126	1378	0.08	ppb(v#	60
99)	1,4-Dichlorobenzene	22.353	146	5399	0.09	ppb(v	95
100)	sec-Butylbenzene	21.943	134	3079	0.11	ppb(v	94
101)	p-Isopropyltoluene	22.127	134	3299	0.11	ppb(v	94
102)	1,2-Dichlorobenzene	22.867	146	5914	0.11	ppb(v	97
103)	n-Butylbenzene	22.659	134	2521	0.10	ppb(v	87
104)	Hexachloroethane	22.861	201	4859	0.14	ppb(v	96
105)	1,2,4-Trichlorobenzene	24.672	180	2076	0.07	ppb(v#	82
106)	Naphthalene	25.094	128	6147	0.09	ppb(v	92
107)	Hexachlorobutadiene	24.623	225	3926	0.10	ppb(v#	72

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47681.D
Acq On : 1 Feb 2022 12:12 pm
Operator : danat
Sample : ic1969-0.1
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 13:07:08 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 11:59:16 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Dana Tryon
02/02/22 15:02

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47682.D
Acq On : 1 Feb 2022 12:59 pm
Operator : danat
Sample : ic1969-0.04
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 13:43:23 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:08:10 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.341	130	244797	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	13.531	114	960276	10.00	ppb(v	0.00
76) Chlorobenzene-d5	18.805	82	448818	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.341	130	244797	10.00	ppb(v	0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	510508	8.89	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 88.90%			
Target Compounds						Qvalue
2) Freon 152A	4.385	65	785	0.05	ppb(v	97
3) Chlorodifluoromethane	4.459	67	467	0.06	ppb(v#	41
5) Chlorotrifluoroethene	4.349	116	1901	0.05	ppb(v	91
6) Dichlorodifluoromethane	4.392	85	4941	0.05	ppb(v	97
7) 1-Chloro-1,1-difluoroe...	4.789	65	3357	0.05	ppb(v#	11
8) Chloromethane	4.795	50	1498	0.06	ppb(v	98
9) Dichlorotetrafluoroethane	4.691	85	4171	0.05	ppb(v	94
10) Vinyl Chloride	5.003	62	1278	0.05	ppb(v#	81
11) 1,3-Butadiene	5.065	54	991	0.06	ppb(v	90
13) Bromomethane	5.713	94	1355	0.07	ppb(v#	91
14) Chloroethane	6.013	64	624	0.06	ppb(v#	57
15) Dichlorofluoromethane	6.459	67	3447	0.06	ppb(v	98
17) Freon 123	7.548	83	3267	0.06	ppb(v	92
18) Freon 123A	7.426	117	1628	0.05	ppb(v	79
19) Bromoethene	6.276	106	1262	0.05	ppb(v#	93
20) Acrolein	8.081	56	568	0.05	ppb(v#	39
21) Trichlorofluoromethane	6.349	101	4020	0.05	ppb(v	97
24) Iodomethane	7.695	142	4013	0.05	ppb(v	98
26) 1,1-Dichloroethene	7.426	61	2301	0.05	ppb(v	91
27) Freon 113	7.536	101	3145	0.05	ppb(v	96
29) Carbon Disulfide	7.487	76	4021	0.05	ppb(v#	88
31) Acrylonitrile	10.093	53	732	0.04	ppb(v	80
32) 3-Chloropropene	8.380	76	521	0.04	ppb(v#	97
33) trans-1,2-Dichloroethene	8.913	61	2078	0.05	ppb(v#	84
34) tert-Butyl Alcohol	9.329	59	3057	0.05	ppb(v#	69
35) Methyl tert-Butyl Ether	9.182	73	4175m	0.05	ppb(v	
37) 1,1-Dichloroethane	10.038	63	2502	0.05	ppb(v#	98
39) Hexane	9.121	56	1225	0.05	ppb(v#	75
40) cis-1,2-Dichloroethene	11.005	61	1952	0.05	ppb(v	88
41) Di-isopropyl Ether	9.891	87	877	0.04	ppb(v	66
44) Chloroform	11.476	83	3517	0.05	ppb(v#	93
45) 2,4-Dimethylpentane	10.173	57	3078	0.06	ppb(v	98
46) Tetrahydrofuran	11.825	72	483	0.04	ppb(v	83
47) 1,1,1-Trichloroethane	11.867	97	3675	0.05	ppb(v	94
48) 1,2-Dichloroethane	12.828	62	2133	0.05	ppb(v#	93
49) Benzene	12.516	78	5011	0.06	ppb(v	94
50) Carbon Tetrachloride	11.776	117	3397	0.05	ppb(v	93
51) Cyclohexane	11.427	56	2279	0.06	ppb(v	96
52) 2,3-Dimethylpentane	11.598	71	1115	0.06	ppb(v#	56
54) 2,2,4-Trimethylpentane	12.314	57	7296	0.05	ppb(v	97
55) Heptane	12.498	71	1367	0.05	ppb(v	97
56) Trichloroethene	13.531	97	1515	0.06	ppb(v#	1
57) 1,2-Dichloropropane	14.400	63	1458	0.04	ppb(v#	85
58) Dibromomethane	14.235	174	2227	0.05	ppb(v	94
61) 1,4-Dioxane	14.877	88	1038	0.05	ppb(v#	88
62) Bromodichloromethane	14.523	83	3540	0.05	ppb(v	91
63) cis-1,3-Dichloropropene	15.630	75	3247	0.06	ppb(v#	76

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47682.D
Acq On : 1 Feb 2022 12:59 pm
Operator : danat
Sample : ic1969-0.04
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 13:43:23 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:08:10 2022
Response via : Initial Calibration

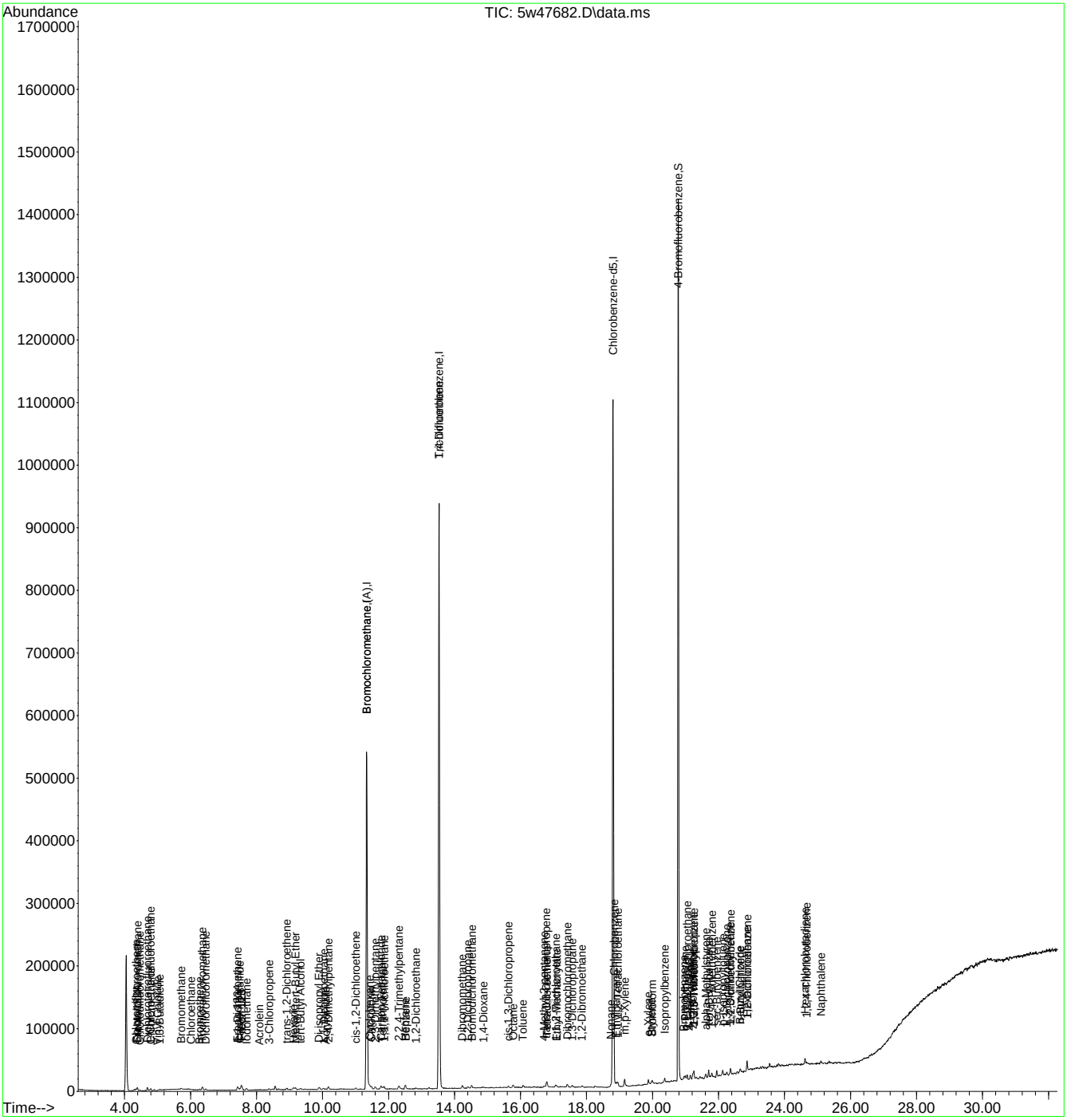
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
64) 4-Methyl-2-pentanone	16.713	58	779	0.03	ppb(v#	77
65) trans-1,3-Dichloropropene	16.780	75	3347	0.06	ppb(v#	77
66) Toluene	16.070	91	5071	0.05	ppb(v	88
67) 1,1,2-Trichloroethane	17.067	97	1890	0.05	ppb(v#	83
68) 1,3-Dichloropropane	17.563	76	2493	0.05	ppb(v#	50
70) Ethyl Methacrylate	17.098	69	2085	0.04	ppb(v#	85
71) Dibromochloromethane	17.422	129	3545	0.05	ppb(v#	94
72) Tetrachloroethene	16.798	166	3016	0.05	ppb(v	96
73) 1,2-Dibromoethane	17.857	107	2777	0.04	ppb(v#	98
74) Octane	15.777	43	4212	0.06	ppb(v	92
75) 1,1,1,2-Tetrachloroethane	18.952	131	2469	0.05	ppb(v#	77
77) Chlorobenzene	18.836	112	4168	0.05	ppb(v#	59
78) Ethylbenzene	18.903	91	6539	0.05	ppb(v#	84
79) m,p-Xylene	19.154	91	10136	0.11	ppb(v#	96
80) Styrene	19.961	104	2829	0.04	ppb(v#	53
81) Nonane	18.738	43	2732	0.04	ppb(v#	94
82) o-Xylene	19.869	91	5228	0.05	ppb(v#	88
83) Bromoform	19.992	173	3156	0.05	ppb(v	97
84) 1,1,2,2-Tetrachloroethane	21.050	83	3882	0.05	ppb(v#	96
85) 1,2,3-Trichloropropane	21.252	75	3143	0.05	ppb(v	94
86) Isopropylbenzene	20.371	105	6846	0.05	ppb(v#	85
87) Bromobenzene	20.952	156	2195	0.05	ppb(v#	68
88) 2-Chlorotoluene	21.221	126	1595	0.05	ppb(v	89
89) n-Propylbenzene	20.989	120	1368	0.04	ppb(v	94
91) 4-Ethyltoluene	21.148	105	5426	0.04	ppb(v#	84
92) 1,3,5-Trimethylbenzene	21.258	105	5230	0.05	ppb(v#	82
93) alpha-Methylstyrene	21.613	118	1975	0.04	ppb(v	88
94) tert-Butylbenzene	21.705	134	1215	0.05	ppb(v	83
95) 1,2,4-Trimethylbenzene	21.796	105	4653	0.05	ppb(v#	82
96) 1,3-Dichlorobenzene	22.243	146	2630	0.04	ppb(v#	89
97) 1,2,3-trimethylbenzene	22.365	105	4695	0.05	ppb(v#	93
98) Benzyl Chloride	22.653	126	664	0.04	ppb(v#	11
99) 1,4-Dichlorobenzene	22.353	146	2622	0.04	ppb(v#	88
100) sec-Butylbenzene	21.949	134	1477	0.05	ppb(v	79
101) p-Isopropyltoluene	22.127	134	1936	0.06	ppb(v	73
102) 1,2-Dichlorobenzene	22.873	146	2605	0.05	ppb(v#	90
103) n-Butylbenzene	22.665	134	1348	0.05	ppb(v	86
104) Hexachloroethane	22.861	201	2063	0.05	ppb(v	74
105) 1,2,4-Trichlorobenzene	24.672	180	1058	0.04	ppb(v#	82
106) Naphthalene	25.100	128	3479	0.05	ppb(v#	85
107) Hexachlorobutadiene	24.623	225	2238	0.06	ppb(v#	53

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47682.D
Acq On : 1 Feb 2022 12:59 pm
Operator : danat
Sample : ic1969-0.04
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 13:43:23 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:08:10 2022
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number: V5W1969-IC1969
Lab FileID: 5W47682.D
Injection Time: 02/01/22 12:59

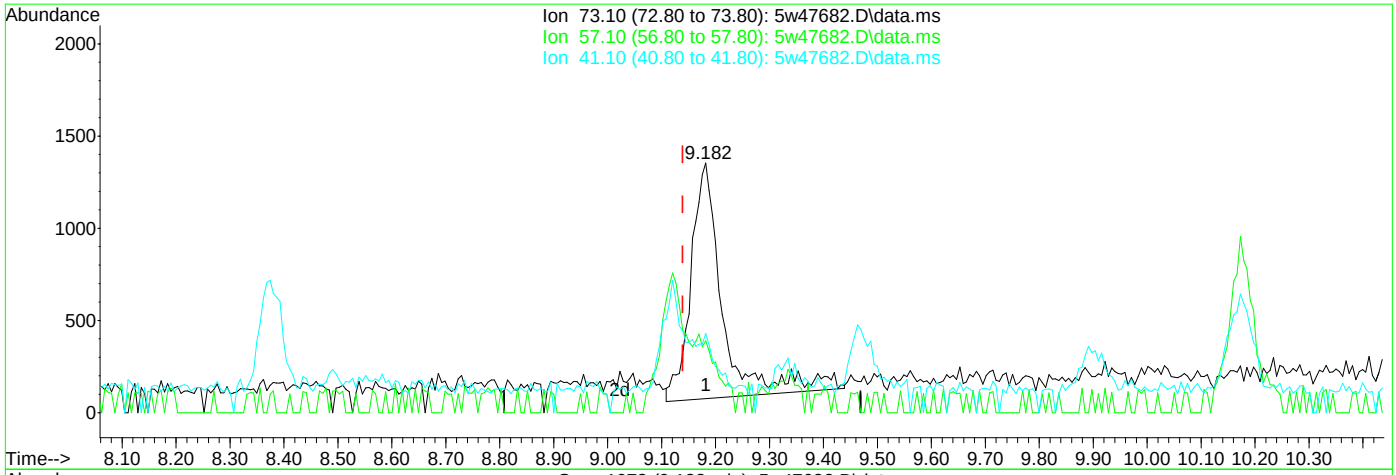
Method: TO-15
Analyst approved: 02/01/22 16:19 Dana Tryon
Supervisor approved: 02/02/22 15:02 Dana Tryon

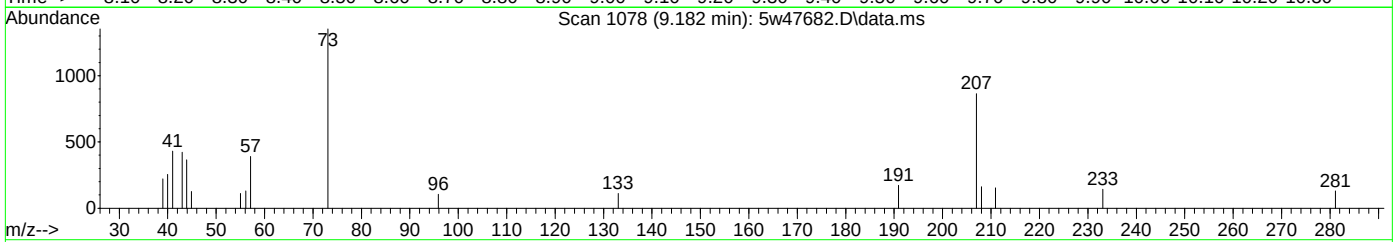
Parameter	CAS	Sig#	R.T. (min.)	Reason
Methyl Tert Butyl Ether	1634-04-4		9.18	Poor instrument integration

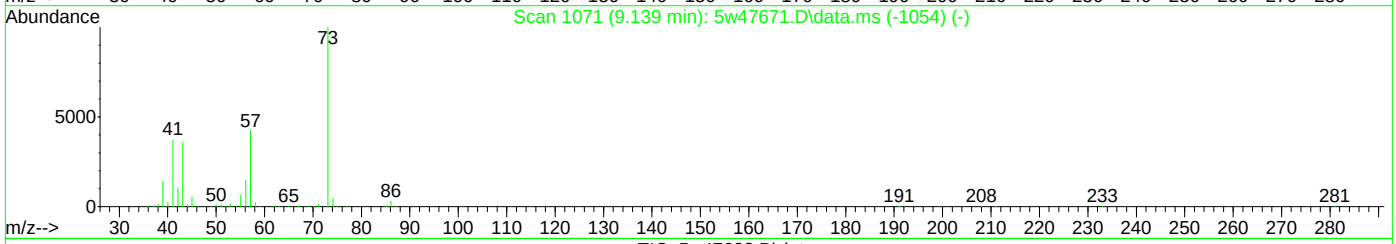
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w47682.D
Acq On : 1 Feb 2022 12:59 pm
Operator : danat
Sample : ic1969-0.04
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 13:40:04 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:08:10 2022
Response via : Initial Calibration







TIC: 5w47682.D\data.ms

(35) Methyl tert-Butyl Ether

9.182min (+0.043) 0.07ppb(v)

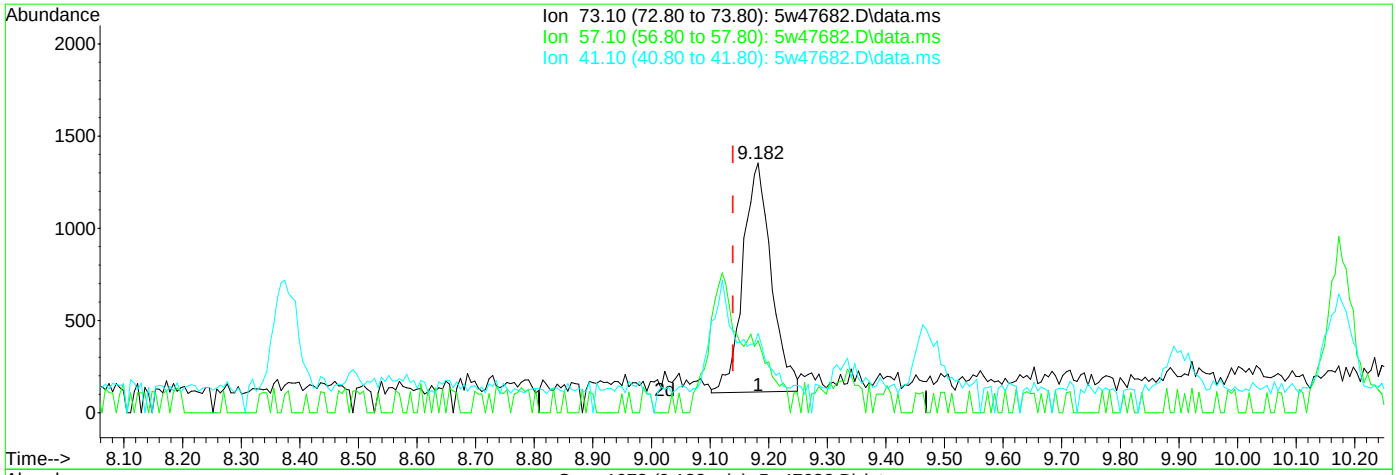
response 5233

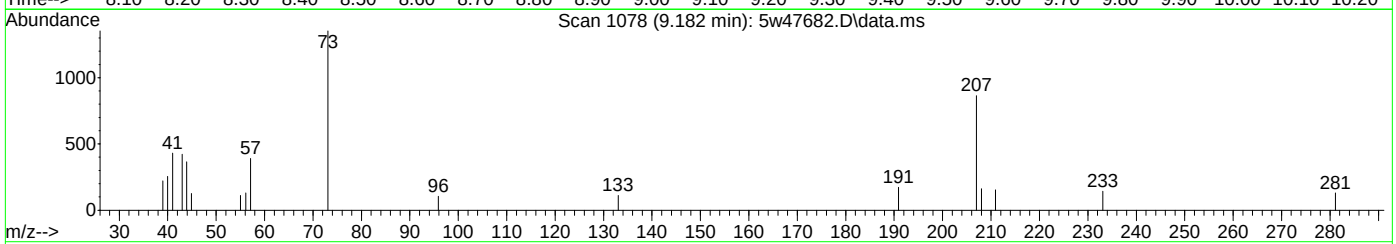
Ion	Exp%	Act%
73.10	100	100
57.10	42.30	28.80#
41.10	37.30	31.76
0.00	0.00	0.00

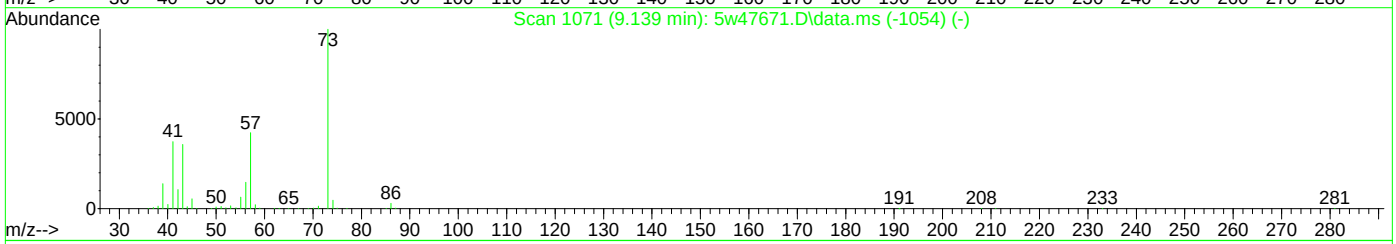
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w47682.D
Acq On : 1 Feb 2022 12:59 pm
Operator : danat
Sample : ic1969-0.04
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Feb 01 13:40:04 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:08:10 2022
Response via : Initial Calibration







TIC: 5w47682.D\data.ms

(35) Methyl tert-Butyl Ether

9.182min (+0.043) 0.05ppb(v) m

response 4175

Ion	Exp%	Act%
73.10	100	100
57.10	42.30	28.80#
41.10	37.30	31.76
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47684.D
Acq On : 1 Feb 2022 2:36 pm
Operator : danat
Sample : icv1969-10
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 16:16:03 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.341	130	241010	10.00	ppb(v	0.00
53) 1,4-Difluorobenzene	13.537	114	902787	10.00	ppb(v	0.00
76) Chlorobenzene-d5	18.805	82	441688	10.00	ppb(v	0.00
108) Bromochloromethane (A)	11.341	130	241010	10.00	ppb(v	0.00
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.781	95	579003	10.37	ppb(v	0.00
Spiked Amount 10.000	Range 65 - 128		Recovery = 103.70%			
Target Compounds						Qvalue
2) Freon 152A	4.385	65	154064	9.65	ppb(v	98
3) Chlorodifluoromethane	4.453	67	79894	9.20	ppb(v	98
4) Propene	4.287	41	181557	9.09	ppb(v	99
5) Chlorotrifluoroethene	4.343	116	373628	9.61	ppb(v	100
6) Dichlorodifluoromethane	4.379	85	910268	9.60	ppb(v	100
7) 1-Chloro-1,1-difluoroe...	4.789	65	630245	9.56	ppb(v	99
8) Chloromethane	4.789	50	226020	8.85	ppb(v	100
9) Dichlorotetrafluoroethane	4.691	85	764911	9.53	ppb(v	99
10) Vinyl Chloride	5.003	62	251731	9.64	ppb(v	99
11) 1,3-Butadiene	5.058	54	171011	9.33	ppb(v	96
12) n-Butane	4.893	58	37503	10.05	ppb(v	98
13) Bromomethane	5.713	94	182096	8.61	ppb(v	98
14) Chloroethane	6.007	64	107661	9.27	ppb(v	100
15) Dichlorofluoromethane	6.453	67	577950	9.04	ppb(v	100
16) Acetonitrile	9.439	41	172112	8.31	ppb(v	100
17) Freon 123	7.548	83	579131	9.68	ppb(v	99
18) Freon 123A	7.426	117	340532	10.58	ppb(v	99
19) Bromoethene	6.270	106	249999	9.54	ppb(v	99
20) Acrolein	8.050	56	91705	8.39	ppb(v	97
21) Trichlorofluoromethane	6.349	101	760756	9.69	ppb(v	99
22) Acetone	8.619	58	99385	9.47	ppb(v	97
23) Pentane	6.368	57	61021	8.95	ppb(v	98
24) Iodomethane	7.695	142	733277	9.58	ppb(v	99
25) Isopropyl Alcohol	8.435	43	82807	9.22	ppb(v	99
26) 1,1-Dichloroethene	7.426	61	440537	9.49	ppb(v	99
27) Freon 113	7.542	101	578377	9.49	ppb(v	99
28) Methylene Chloride	8.564	84	224559	8.99	ppb(v	100
29) Carbon Disulfide	7.481	76	720648	8.96	ppb(v	100
30) Ethanol	7.322	45	93319	9.45	ppb(v	98
31) Acrylonitrile	10.044	53	168057	9.18	ppb(v	98
32) 3-Chloropropene	8.374	76	116641	9.88	ppb(v	96
33) trans-1,2-Dichloroethene	8.906	61	394861	9.35	ppb(v	99
34) tert-Butyl Alcohol	9.280	59	489131	8.23	ppb(v	99
35) Methyl tert-Butyl Ether	9.139	73	736589	9.27	ppb(v	95
36) Vinyl Acetate	10.473	43	604827	8.91	ppb(v	99
37) 1,1-Dichloroethane	10.032	63	474070	9.51	ppb(v	100
38) 2-Butanone	11.959	72	112742	10.34	ppb(v	98
39) Hexane	9.120	56	217385	9.30	ppb(v	97
40) cis-1,2-Dichloroethene	10.999	61	378692	9.46	ppb(v	97
41) Di-isopropyl Ether	9.867	87	200512	9.79	ppb(v	99
42) Ethyl Acetate	11.665	61	80636	10.37	ppb(v	95
43) Methyl Acrylate	11.684	55	419064	9.45	ppb(v	99
44) Chloroform	11.476	83	635847	9.22	ppb(v	99
45) 2,4-Dimethylpentane	10.173	57	444441	8.79	ppb(v	99
46) Tetrahydrofuran	11.763	72	115274	9.74	ppb(v	97
47) 1,1,1-Trichloroethane	11.867	97	645191	9.26	ppb(v	99
48) 1,2-Dichloroethane	12.816	62	405955	9.47	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47684.D
Acq On : 1 Feb 2022 2:36 pm
Operator : danat
Sample : icv1969-10
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 16:16:03 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49) Benzene	12.504	78	768965	9.00	ppb(v	99
50) Carbon Tetrachloride	11.769	117	709574	9.89	ppb(v	99
51) Cyclohexane	11.427	56	380880	9.16	ppb(v	100
52) 2,3-Dimethylpentane	11.598	71	168176	9.05	ppb(v	100
54) 2,2,4-Trimethylpentane	12.314	57	1187420	9.08	ppb(v	99
55) Heptane	12.491	71	245000	9.41	ppb(v	98
56) Trichloroethene	13.525	97	253088	9.40	ppb(v	99
57) 1,2-Dichloropropane	14.394	63	297145	9.54	ppb(v	99
58) Dibromomethane	14.229	174	356843	8.98	ppb(v	99
59) Ethyl Acrylate	14.388	55	588554	9.56	ppb(v	100
60) Methyl Methacrylate	14.749	69	279857	9.68	ppb(v	98
61) 1,4-Dioxane	14.828	88	177922	8.45	ppb(v	99
62) Bromodichloromethane	14.504	83	688912	9.52	ppb(v	100
63) cis-1,3-Dichloropropene	15.605	75	535583	9.52	ppb(v	99
64) 4-Methyl-2-pentanone	16.670	58	243421	9.82	ppb(v	98
65) trans-1,3-Dichloropropene	16.762	75	466087	8.79	ppb(v	99
66) Toluene	16.058	91	976450	9.51	ppb(v	99
67) 1,1,2-Trichloroethane	17.055	97	350822	9.47	ppb(v	99
68) 1,3-Dichloropropane	17.557	76	456026	9.32	ppb(v	98
69) 2-Hexanone	18.199	43	579785	8.48	ppb(v	100
70) Ethyl Methacrylate	17.037	69	474645	9.87	ppb(v	98
71) Dibromochloromethane	17.410	129	724166	9.76	ppb(v	99
72) Tetrachloroethene	16.792	166	557199	9.99	ppb(v	99
73) 1,2-Dibromoethane	17.850	107	575424	9.69	ppb(v	99
74) Octane	15.764	43	621513	10.02	ppb(v	100
75) 1,1,1,2-Tetrachloroethane	18.946	131	468531	9.62	ppb(v	99
77) Chlorobenzene	18.842	112	770711	9.54	ppb(v	99
78) Ethylbenzene	18.884	91	1251804	9.55	ppb(v	99
79) m,p-Xylene	19.141	91	1919629	19.53	ppb(v	99
80) Styrene	19.937	104	713257	10.33	ppb(v	100
81) Nonane	18.738	43	635325	9.39	ppb(v	98
82) o-Xylene	19.863	91	1001948	9.60	ppb(v	99
83) Bromoform	19.986	173	668221	10.01	ppb(v	100
84) 1,1,2,2-Tetrachloroethane	21.044	83	731604	9.62	ppb(v	100
85) 1,2,3-Trichloropropane	21.240	75	571761	9.66	ppb(v	99
86) Isopropylbenzene	20.359	105	1365901	9.78	ppb(v	99
87) Bromobenzene	20.946	156	444005	9.68	ppb(v	99
88) 2-Chlorotoluene	21.209	126	325980	9.70	ppb(v	98
89) n-Propylbenzene	20.983	120	353911	10.42	ppb(v	99
91) 4-Ethyltoluene	21.136	105	1307203	10.50	ppb(v	100
92) 1,3,5-Trimethylbenzene	21.252	105	1066213	10.28	ppb(v	99
93) alpha-Methylstyrene	21.601	118	527146	10.60	ppb(v	100
94) tert-Butylbenzene	21.698	134	221734	9.60	ppb(v	97
95) 1,2,4-Trimethylbenzene	21.790	105	1075898	10.56	ppb(v	100
96) 1,3-Dichlorobenzene	22.231	146	690257	10.83	ppb(v	99
97) 1,2,3-trimethylbenzene	22.359	105	1021749	10.50	ppb(v	100
98) Benzyl Chloride	22.634	126	173320	10.50	ppb(v	99
99) 1,4-Dichlorobenzene	22.341	146	668621	11.02	ppb(v	100
100) sec-Butylbenzene	21.943	134	283461	10.03	ppb(v	93
101) p-Isopropyltoluene	22.121	134	311690	9.76	ppb(v	99
102) 1,2-Dichlorobenzene	22.867	146	617553	11.15	ppb(v	99
103) n-Butylbenzene	22.653	134	273227	10.55	ppb(v	98
104) Hexachloroethane	22.867	201	362623	9.36	ppb(v	98
105) 1,2,4-Trichlorobenzene	24.666	180	279041	10.41	ppb(v	99
106) Naphthalene	25.082	128	541187	7.69	ppb(v	100
107) Hexachlorobutadiene	24.623	225	419703	10.48	ppb(v	99
109) TVHC as equiv Pentane	6.355	TIC	2897161	10.22	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47684.D
Acq On : 1 Feb 2022 2:36 pm
Operator : danat
Sample : icv1969-10
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 16:16:03 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

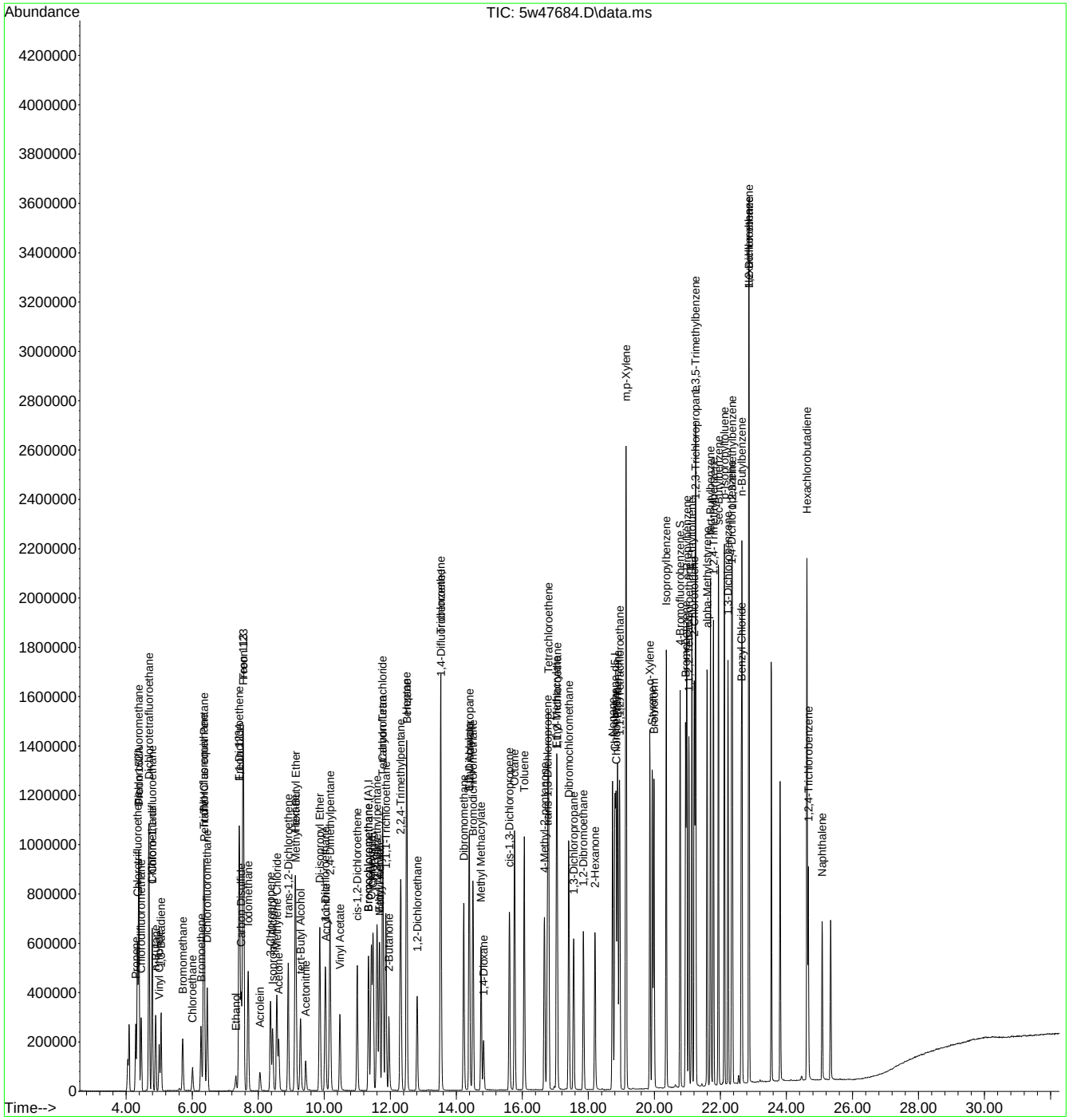
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w47684.D
Acq On : 1 Feb 2022 2:36 pm
Operator : danat
Sample : icv1969-10
Misc : ms56393,v5w1969,,,,,1
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Feb 01 16:16:03 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration



Manual Integrations APPROVED (compounds with "m" flag)
Kanya Veerawat 04/26/22 11:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49455.D
Acq On : 23 Apr 2022 10:09 am
Operator : thomash
Sample : cc1969-10
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:22:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	11.231	130	200504	10.00	ppb(v	-0.11
53) 1,4-Difluorobenzene	13.427	114	749585	10.00	ppb(v	-0.10
76) Chlorobenzene-d5	18.707	82	379312	10.00	ppb(v	-0.10
108) Bromochloromethane (A)	11.231	130	200504	10.00	ppb(v	-0.11
System Monitoring Compounds						
90) 4-Bromofluorobenzene	20.707	95	473383	9.87	ppb(v	-0.07
Spiked Amount 10.000	Range 65 - 128		Recovery = 98.70%			
Target Compounds						Qvalue
2) Freon 152A	4.318	65	143443	10.80	ppb(v	87
3) Chlorodifluoromethane	4.385	67	93152	12.89	ppb(v	99
4) Propene	4.226	41	201629	12.14	ppb(v	98
5) Chlorotrifluoroethene	4.275	116	329819	10.19	ppb(v#	73
6) Dichlorodifluoromethane	4.318	85	952692	12.07	ppb(v	99
7) 1-Chloro-1,1-difluoroe...	4.716	65	678911	12.38	ppb(v	99
8) Chloromethane	4.710	50	210405	9.91	ppb(v	97
9) Dichlorotetrafluoroethane	4.618	85	803101	12.03	ppb(v	95
10) Vinyl Chloride	4.924	62	230479	10.61	ppb(v#	96
11) 1,3-Butadiene	4.979	54	152389	9.99	ppb(v	88
12) n-Butane	4.814	58	35573	11.46	ppb(v	99
13) Bromomethane	5.615	94	200638	11.41	ppb(v	98
14) Chloroethane	5.909	64	69926	7.24	ppb(v#	90
15) Dichlorofluoromethane	6.349	67	600073	11.29	ppb(v	99
16) Acetonitrile	9.298	41	193872	11.26	ppb(v	98
17) Freon 123	7.432	83	533840	10.73	ppb(v	99
18) Freon 123A	7.310	117	265398	9.92	ppb(v	94
19) Bromoethene	6.166	106	224382	10.29	ppb(v#	93
20) Acrolein	7.927	56	73675	8.10	ppb(v#	96
21) Trichlorofluoromethane	6.251	101	770985	11.80	ppb(v	98
22) Acetone	8.496	58	85172	9.75	ppb(v	76
23) Pentane	6.276	57	51688	9.11	ppb(v	60
24) Iodomethane	7.579	142	681131	10.70	ppb(v	86
25) Isopropyl Alcohol	8.319	43	92348	12.35	ppb(v	79
26) 1,1-Dichloroethene	7.322	61	409602	10.61	ppb(v	97
27) Freon 113	7.438	101	552763	10.90	ppb(v	96
28) Methylene Chloride	8.447	84	197584	9.50	ppb(v	97
29) Carbon Disulfide	7.377	76	692698	10.35	ppb(v	100
30) Ethanol	7.212	45	100138	12.19	ppb(v	96
31) Acrylonitrile	9.910	53	138844	9.12	ppb(v	99
32) 3-Chloropropene	8.258	76	96015	9.78	ppb(v	81
33) trans-1,2-Dichloroethene	8.796	61	352586	10.03	ppb(v	97
34) tert-Butyl Alcohol	9.169	59	439344	8.89	ppb(v	94
35) Methyl tert-Butyl Ether	9.029	73	622079	9.41	ppb(v#	72
36) Vinyl Acetate	10.356	43	604386	10.70	ppb(v	97
37) 1,1-Dichloroethane	9.910	63	412113	9.93	ppb(v	98
38) 2-Butanone	11.843	72	92701	10.22	ppb(v	77
39) Hexane	9.016	56	166644	8.57	ppb(v#	75
40) cis-1,2-Dichloroethene	10.882	61	320163	9.61	ppb(v	97
41) Di-isopropyl Ether	9.757	87	152523	8.95	ppb(v	67
42) Ethyl Acetate	11.555	61	65430	10.12	ppb(v	61
43) Methyl Acrylate	11.567	55	342478	9.28	ppb(v#	94
44) Chloroform	11.366	83	580161	10.11	ppb(v	98
45) 2,4-Dimethylpentane	10.069	57	354488	8.43	ppb(v	95
46) Tetrahydrofuran	11.653	72	103888	10.55	ppb(v	92
47) 1,1,1-Trichloroethane	11.757	97	589397	10.17	ppb(v	97
48) 1,2-Dichloroethane	12.699	62	355772	9.98	ppb(v	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49455.D
Acq On : 23 Apr 2022 10:09 am
Operator : thomash
Sample : cc1969-10
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:22:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
49)	Benzene	12.393	78	635760	8.95	ppb(v	98
50)	Carbon Tetrachloride	11.665	117	646322	10.83	ppb(v	94
51)	Cyclohexane	11.323	56	278005	8.04	ppb(v	88
52)	2,3-Dimethylpentane	11.500	71	136335	8.82	ppb(v	84
54)	2,2,4-Trimethylpentane	12.216	57	931362m	8.58	ppb(v	
55)	Heptane	12.400	71	198785	9.19	ppb(v	93
56)	Trichloroethene	13.421	97	220709	9.87	ppb(v	92
57)	1,2-Dichloropropane	14.284	63	250641	9.69	ppb(v	96
58)	Dibromomethane	14.119	174	361809	10.96	ppb(v	92
59)	Ethyl Acrylate	14.284	55	475622	9.30	ppb(v	98
60)	Methyl Methacrylate	14.651	69	224826	9.37	ppb(v	86
61)	1,4-Dioxane	14.718	88	134261	7.68	ppb(v#	93
62)	Bromodichloromethane	14.400	83	626828	10.43	ppb(v	98
63)	cis-1,3-Dichloropropene	15.501	75	396339	8.48	ppb(v	97
64)	4-Methyl-2-pentanone	16.560	58	190315	9.25	ppb(v	80
65)	trans-1,3-Dichloropropene	16.651	75	391983	8.90	ppb(v	98
66)	Toluene	15.960	91	718266	8.42	ppb(v	97
67)	1,1,2-Trichloroethane	16.945	97	295708	9.62	ppb(v	93
68)	1,3-Dichloropropane	17.447	76	383793	9.45	ppb(v	90
69)	2-Hexanone	18.095	43	570672	10.06	ppb(v#	89
70)	Ethyl Methacrylate	16.939	69	398398	9.97	ppb(v	92
71)	Dibromochloromethane	17.306	129	647703	10.52	ppb(v	97
72)	Tetrachloroethene	16.694	166	520336	11.24	ppb(v	92
73)	1,2-Dibromoethane	17.746	107	471691	9.56	ppb(v#	97
74)	Octane	15.679	43	553770	10.76	ppb(v	89
75)	1,1,1,2-Tetrachloroethane	18.848	131	375959	9.30	ppb(v	96
77)	Chlorobenzene	18.737	112	590814	8.52	ppb(v	96
78)	Ethylbenzene	18.793	91	1010827	8.98	ppb(v	96
79)	m,p-Xylene	19.049	91	1659358	19.66	ppb(v	97
80)	Styrene	19.857	104	539330	9.09	ppb(v	96
81)	Nonane	18.652	43	591620	10.19	ppb(v#	96
82)	o-Xylene	19.784	91	786769	8.78	ppb(v	96
83)	Bromoform	19.900	173	792620	13.83	ppb(v	98
84)	1,1,2,2-Tetrachloroethane	20.970	83	692392	10.60	ppb(v	100
85)	1,2,3-Trichloropropane	21.166	75	557052	10.96	ppb(v	95
86)	Isopropylbenzene	20.285	105	1083754	9.04	ppb(v	95
87)	Bromobenzene	20.873	156	411658	10.45	ppb(v	93
88)	2-Chlorotoluene	21.142	126	266429	9.23	ppb(v	93
89)	n-Propylbenzene	20.915	120	269653	9.24	ppb(v	80
91)	4-Ethyltoluene	21.068	105	1054007	9.85	ppb(v	96
92)	1,3,5-Trimethylbenzene	21.185	105	914813	10.27	ppb(v	97
93)	alpha-Methylstyrene	21.533	118	420956	9.86	ppb(v	97
94)	tert-Butylbenzene	21.637	134	171487	8.65	ppb(v	90
95)	1,2,4-Trimethylbenzene	21.729	105	866458	9.90	ppb(v	97
96)	1,3-Dichlorobenzene	22.169	146	619783	11.33	ppb(v	98
97)	1,2,3-trimethylbenzene	22.304	105	863086	10.33	ppb(v	97
98)	Benzyl Chloride	22.573	126	155487	10.97	ppb(v	96
99)	1,4-Dichlorobenzene	22.280	146	633918m	12.16	ppb(v	
100)	sec-Butylbenzene	21.882	134	221225	9.12	ppb(v	95
101)	p-Isopropyltoluene	22.059	134	251208	9.16	ppb(v	96
102)	1,2-Dichlorobenzene	22.806	146	722303	15.19	ppb(v	95
103)	n-Butylbenzene	22.598	134	210099	9.45	ppb(v	85
104)	Hexachloroethane	22.812	201	513638	15.43	ppb(v	80
105)	1,2,4-Trichlorobenzene	24.604	180	256578	11.14	ppb(v	100
106)	Naphthalene	25.014	128	460398	7.61	ppb(v	99
107)	Hexachlorobutadiene	24.568	225	490840	14.28	ppb(v	97
109)	TVHC as equiv Pentane	6.257	TIC	3065082	13.00	ppb(v	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49455.D
Acq On : 23 Apr 2022 10:09 am
Operator : thomash
Sample : cc1969-10
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:22:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration

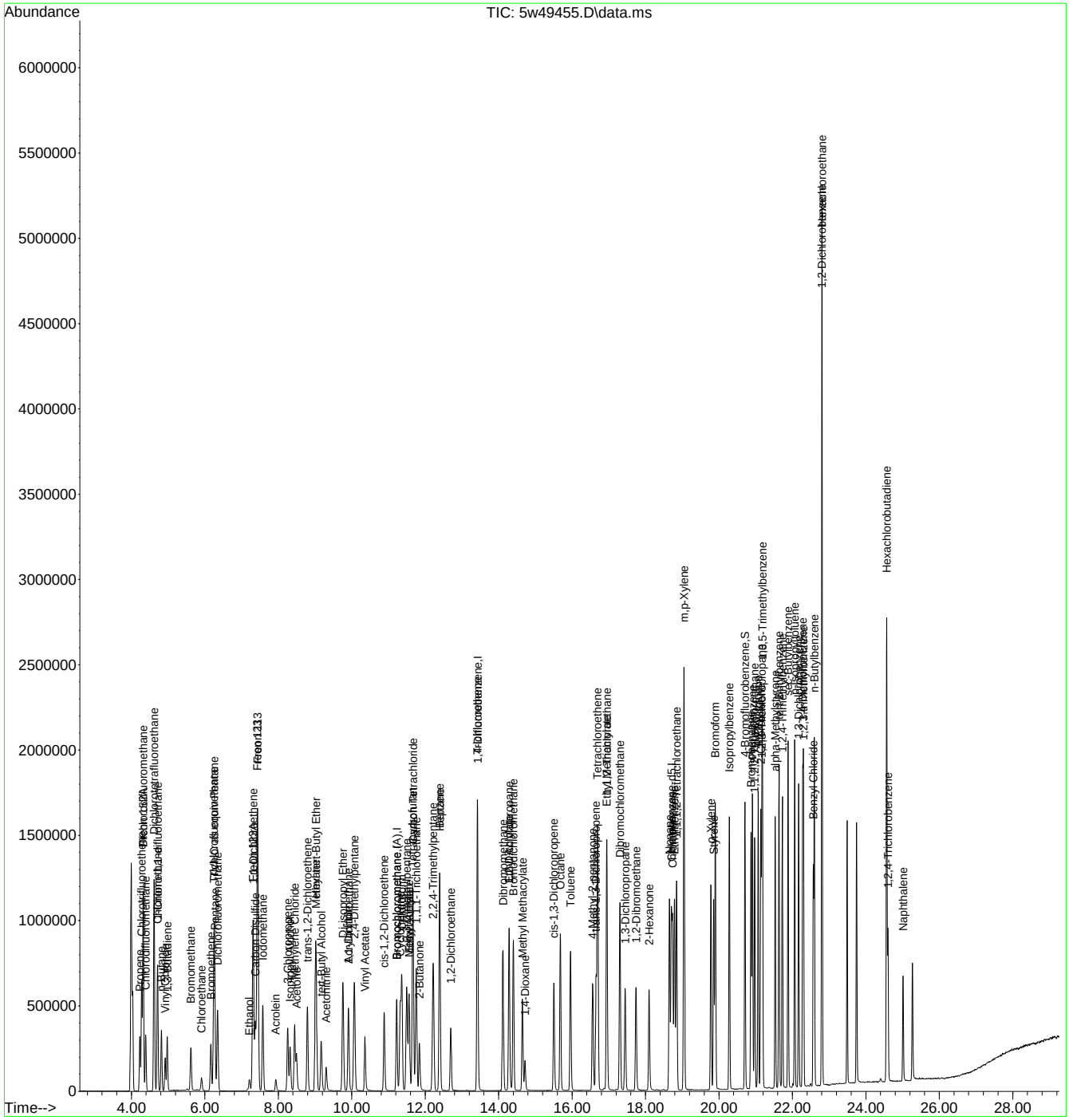
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\
Data File : 5w49455.D
Acq On : 23 Apr 2022 10:09 am
Operator : thomash
Sample : cc1969-10
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:22:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration



Manual Integration Approval Summary

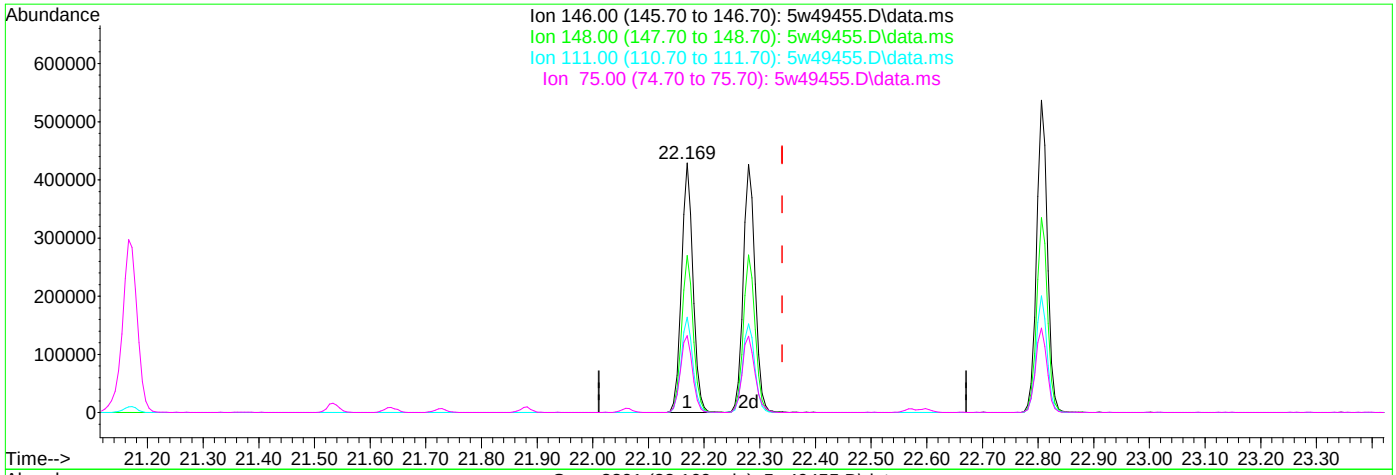
Sample Number: V5W2045-CC1969 **Method:** TO-15
Lab FileID: 5W49455.D **Analyst approved:** 04/25/22 08:31 Thomas Hilbig
Injection Time: 04/23/22 10:09 **Supervisor approved:** 04/26/22 11:56 Kanya Veerawat

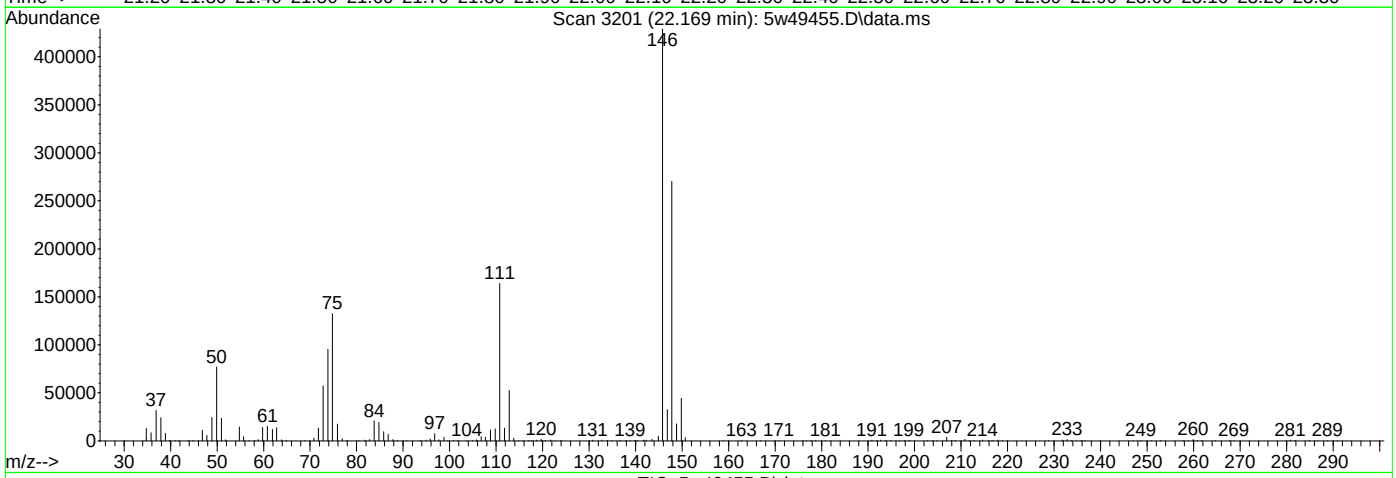
Parameter	CAS	Sig#	R.T. (min.)	Reason
2,2,4-Trimethylpentane	540-84-1		12.22	Missed peak
p-Dichlorobenzene	106-46-7		22.28	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49455.D
Acq On : 23 Apr 2022 10:09 am
Operator : thomash
Sample : cc1969-10
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 10:39:20 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49455.D\data.ms

(99) 1,4-Dichlorobenzene

22.169min (-0.171) 11.89ppb(v)

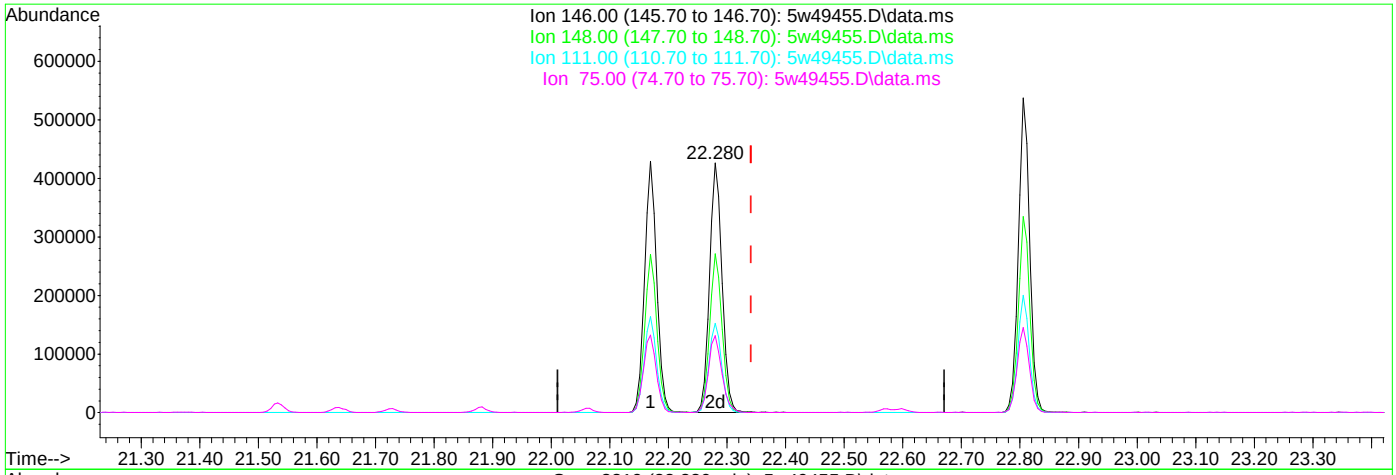
response 619783

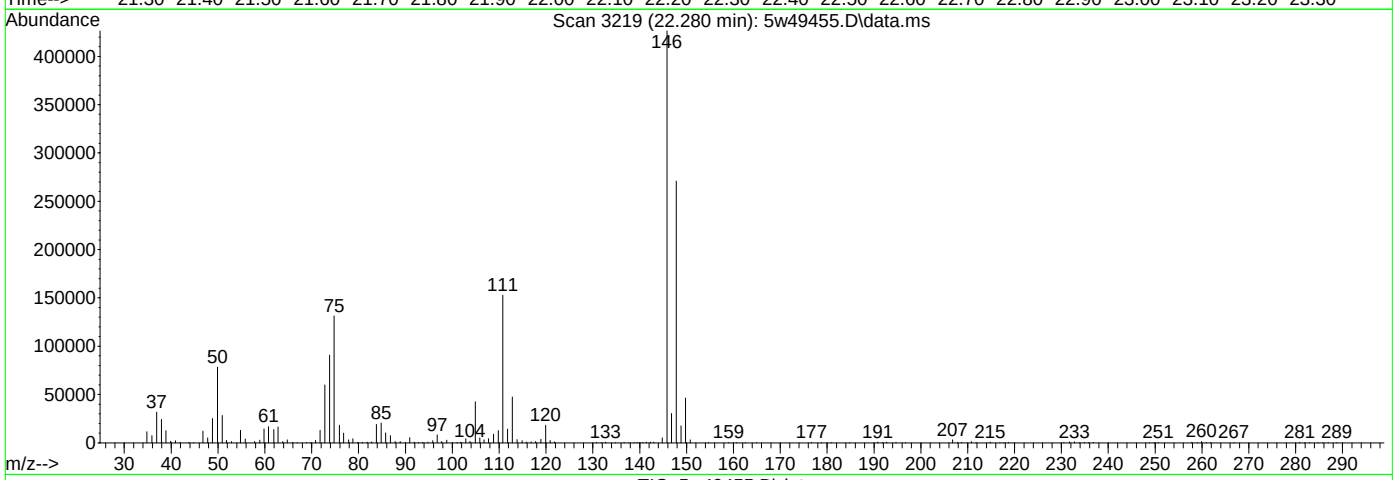
Ion	Exp%	Act%
146.00	100	100
148.00	63.30	62.96
111.00	39.70	38.17
75.00	31.30	30.84

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49455.D
Acq On : 23 Apr 2022 10:09 am
Operator : thomash
Sample : cc1969-10
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 23 10:39:20 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49455.D\data.ms

(99) 1,4-Dichlorobenzene

22.280min (-0.061) 12.16ppb(v) m

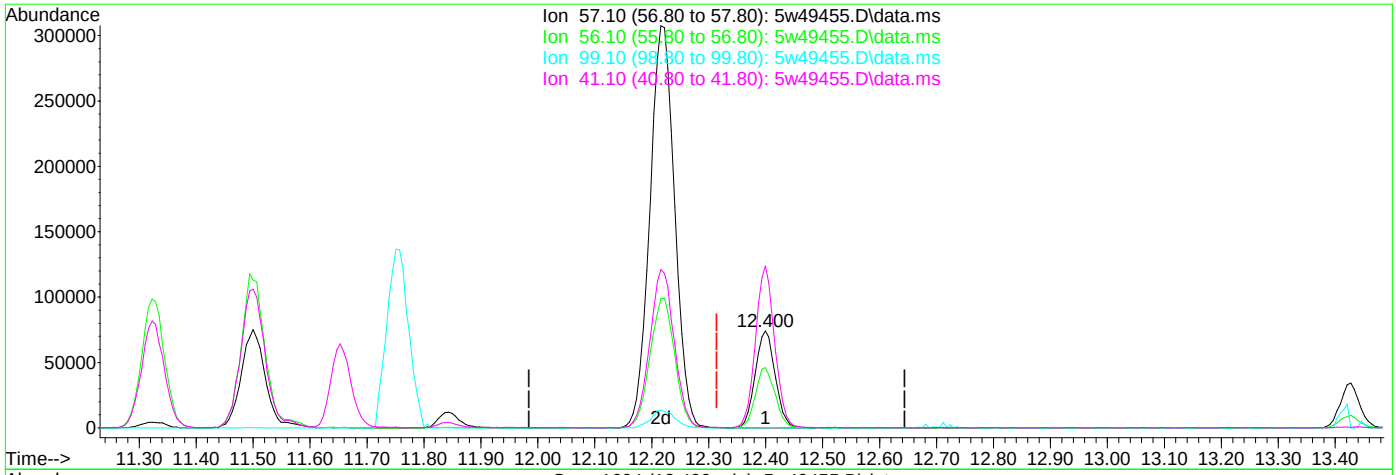
response 633918

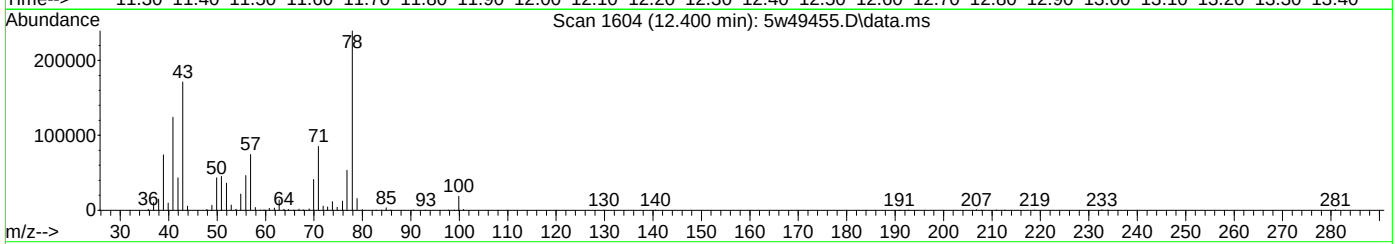
Ion	Exp%	Act%
146.00	100	100
148.00	63.30	63.53
111.00	39.70	35.79
75.00	31.30	30.80

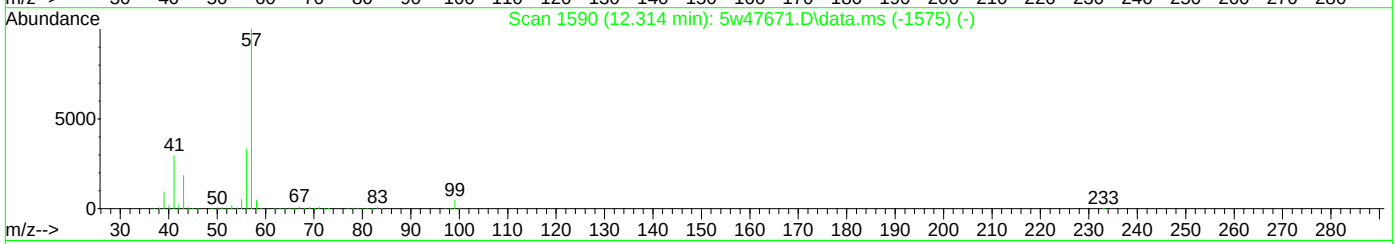
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49455.D
Acq On : 23 Apr 2022 10:09 am
Operator : thomash
Sample : cc1969-10
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:12:57 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration







TIC: 5w49455.D\data.ms

(54) 2,2,4-Trimethylpentane

12.400min (+0.086) 1.66ppb(v)

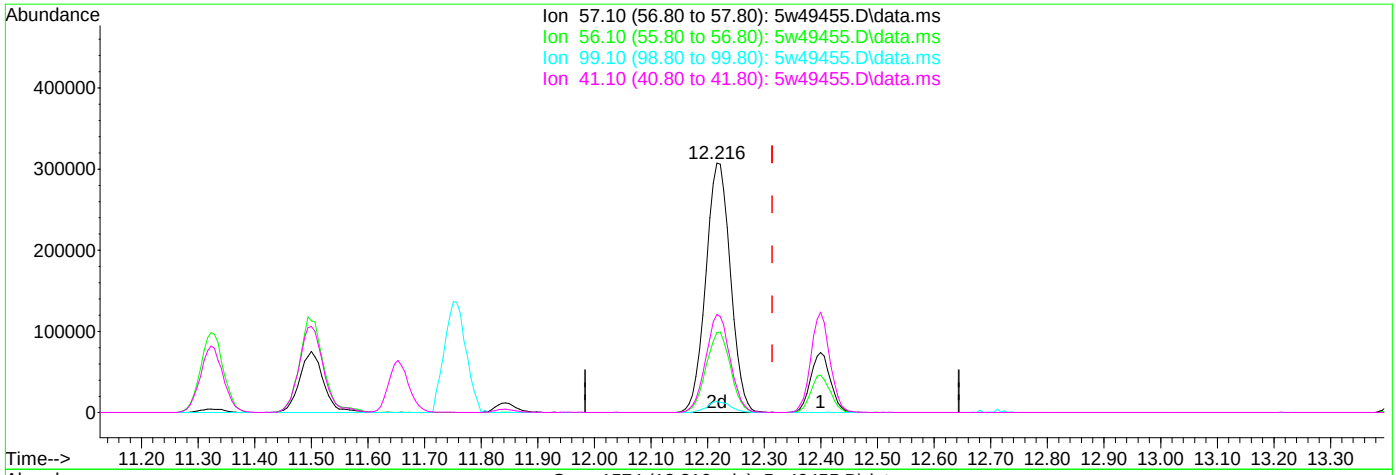
response 180362

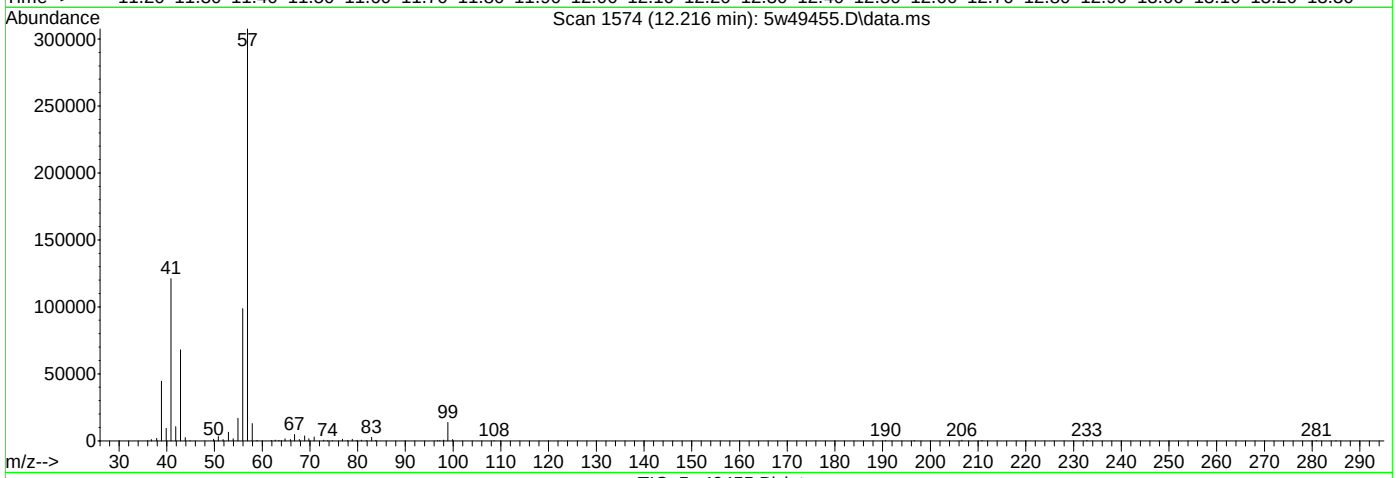
Ion	Exp%	Act%
57.10	100	100
56.10	33.10	62.14#
99.10	4.60	0.22#
41.10	29.50	167.20#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\
Data File : 5w49455.D
Acq On : 23 Apr 2022 10:09 am
Operator : thomash
Sample : cc1969-10
Misc : ms57724,v5w2045,,,,,1
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Apr 25 08:22:34 2022
Quant Method : C:\msdchem\1\methods\m5w1969.M
Quant Title : TO-15 Full Scan Mode
QLast Update : Tue Feb 01 13:44:11 2022
Response via : Initial Calibration





TIC: 5w49455.D\data.ms

(54) 2,2,4-Trimethylpentane

12.216min (-0.098) 8.58ppb(v) m

response 931362

Ion	Exp%	Act%
57.10	100	100
56.10	33.10	32.08
99.10	4.60	4.46
41.10	29.50	39.36#

TO-15

Batch ID: V2W2599

Date: 3/18/22

Analyst Signature: TH

Columns: DB-1 30mx0.25mmx0.5µm
Method: 2WTO15.M
Seq. File: 2W20220318-5
Initial Cal. Method: ~~M2W2579~~ M2W2599, H

AS Data

Method: TO15. 7200A.CTD

Standard Data

Lot #	Description	Conc.
AS9460	TO15 LCS (A965)	40ppbv
AS9473	TO15 LCS (A965)	40ppbv

Standard Data

Lot #	Description	Conc.
AS8188	Int/Surr.	100ppbv
AS9462	TO15 STD (A974)	40ppbv
AS9471	TO15 STD (A1261)	1.0ppbv
AS8461	TO15 LCS (A014)	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criter of SGS SOP EQA044.

Supervisor Signature: [signature] Date: 3/23/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
3	2W58344	IB		A962	20					—	
3	2W58345	IB		A962	20					—	
3	2W58346	IB		A962	20					—	
3	2W58347	IB		A962	20					—	
1	2W58348	BFB		A1261	40					OK	
1	2W58349	IC2599-0.5		A1261	200			✓	✓	OK	
1	2W58350	IC2599-0.2		A1261	80			✓	✓	OK	
1	2W58351	IC2599-0.1		A1261	40			✓	✓	OK	
1	2W58352	IC2599-0.04		A974	16			✓	✓	OK	
2	2W58353	IC2599-5		A974	50			✓	✓	OK	
2	2W58354	IC2599-10		A974	100			✓	✓	OK	
2	2W58355	IC2599-20		A974	200			✓	✓	OK	
2	2W58356	IC2599-40		A974	400			↑	✓	NG	Removed level from ical
2	2W58357	IC2599-50		A974	500			↑	✓	NG	Removed level from ical
3	2W58358	IB		A962	100					—	
3	2W58359	IB		A962	100					—	
4	2W58360	ICV2599-10		A014	100					RR	
3	2W58361	IB		A962	100					—	
5	2W58362	ICV2599-10		A965	100					RR	wrong portion injected
4	2W58363	ICV2599-10		A965	100			✓	✓	OK	benzyl ch/ width↑
									TH	3/19/22	

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V2W2601

Date: 3/21/22

Analyst Signature:

Columns: DB-1 30m x 0.25mm x 0.5µm

Method: 2W7715.M

Seq. File: 2W20220320.S

Initial Cal. Method: M2W2539.M

AS Data

Method: TO15; 7200A/CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
A39188	Int/Surr	100ppbv
A39469	TO15 STD (A774)	40ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criter of SGS SOP EQA044.

Supervisor Signature: Date: 3/23/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	2W58390	BFB		open Dest Tm	400					OK	8:40AM
2	2W58391	CC2592-10		A774	100					RR	
2	2W58392	CC2592-10		A774	100			✓	✓	OK	
2	2W58393	BS		A774	100			✓	✓	OK	
2	2W58394	BSD		A774	100			✓	✓	OK	
3	2W58395	LB		A962	100					—	
3	2W58396	MB		A962	400			✓	✓	RR	wrong volume inj
3	2W58397	SCC CP11625 TH		A855 A962 Tm	400			✓	✓	OK	
5	2W58398	SCC CP11626		A754	400			✓	✓	OK	
6	2W58399	SCC CP11628		A778	400			✓	✓	OK TH	TH TCE wt
7	2W58400	SCC CP11629		A824	400					NC	TCE wt
8	2W58401	SCC CP11631		A872	400			✓	✓	OK	A1472
4	2W58402	SCC CP11632 TH		A855 A851 TH	400			✓	✓	OK	CP11625
9	2W58403	SCC CP11625		A855 A954 TH	400			✓	✓	OK	CP11632
11	2W58404	SCC CP11631		A1293	400			✓	✓	OK	
12	2W58405	SCC CP11629		A829	400					NC	TCE wt Reclean batch
13	2W58406	SCC CP11625		A1177	400			✓	✓	OK	
14	2W58407	SCC CP11626 TH	STD MS 57120	A763 A855 TH	400			✓	✓	OK	JD40794-13
15	2W58408	SCC CP11626		A763	400			✓	✓	OK	
16	2W58409	SCC CP11626		A895	400			✓	✓	OK	
1	2W58410	JD40794-6	✓	A1192	400	1		✓	✓	OK/DL	ethyl acetate ↑ RR on SW 4X
2	2W58411	JD40794-7	✓	A1191	400	1		✓	✓	OK/DL	over cal RR on SW 4X
3	2W58412	JD40794-8	✓	A883	400	1		✓	✓	OK/DL	over cal RR on SW 4X
4	2W58413	JD40794-9	✓	A056	400	1		✓	✓	OK/DL	over cal RR on SW 4X
5	2W58414	JD40794-10	✓	A304	400	1		✓	✓	OK/DL	over cal RR on SW 4X
5	2W58415	JD40794-10 DUP	✓	A304	400	1		✓	✓	OK/DL	over cal RR on SW 4X
6	2W58414 TH	JD40794-11	✓	A631	400	1		✓	✓	OK	
7	2W58415 TH	JD40794-12	✓	A368	400	1		✓	✓	OK/DL	over cal 2W58416 RR on SW 4X
8	2W58416 TH	SCC CP11630		A118	400			✓	✓	OK/DL	over cal 2W58417 RR on SW 4X
9	2W58417 TH	SCC CP11630		A339	400			✓	✓	NC OK TH	multiple hits 2W58418
										NC	multiple hits 2W58419

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

TO-15

Batch ID: V2W2601

Date: 3/21/22

Analyst Signature:

Columns: DB-1 30mx0.25mmx1µm

Method: 2WTO15.M

Seq. File: 2W20220321TH5

Initial Cal. Method: M2W0579.M

AS Data

Method: TO15.7200A.CTD

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS9188	Int/Surr.	100 ppbv
AS9469	TO15 STD (A974)	4 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteri of SGS SOP EQA044.

Supervisor Signature: Date: 3/22/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
10	2W58418 TH	SCC CP11630		A028	400					NG	multiple hits 2W58420
11	2W58419 TH	JD4084-15	STD AS57180	A291	400	1		✓	✓	OK	61.4% Am 2W58421
	2W58420 TH										

TH 3/22/22

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V5W1969

Date: 1/31/22

Analyst Signature:

Columns: RTX-624 60m×0.25mm×1.4μm

Method: SW TO15A.M

Seq. File: SW20220131.S

Initial Cal. Method: MSV1969

AS Data

Method: TO15E.CTDS

Standard Data

Lot #	Description	Conc.
AS9421	TO15 Std (A1261)	1.0 ppbv

Standard Data

Lot #	Description	Conc.
AS9188	Int/Surr	100 ppbv
AS9420	TO15 Std (A968)	40 ppbv
AS9417	TO15 Std (A1261)	1.0 ppbv
AS9412	TO15 LCS (A965)	40 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature: Date: 2/3/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
3	SW47663	IB		A958	100						
3	SW47664	IB		A958	100						
1	SW47665	BFB		A1261	100						
1	SW47666	IC1969-0.5		A1261	200					OK	Entry 1833
1	SW47667	IC1969-0.2		A1261	80					RR	Std. degraded
1	SW47668	IC1969-0.1		A1261	40					RR	possible Std.
1	SW47669	IC1969-0.04		A1261	16					RR	
2	SW47670	IC1969-05		A968	50			✓	✓	OK	
2	SW47671	IC1969-10		A968	100			✓	✓	OK	
2	SW47672	IC1969-20		A968	200			✓	✓	OK	
2	SW47673	IC1969-40		A968	400			✓	✓	OK	
2	SW47674	IC1969-50		A968	500			✓	✓	OK	
2	SW47675	IB		A958	100					OK	
3	SW47676	IB		A958	100						
4	SW47677	ICV1969-10		A965	100						
3	SW47678	IB		A958	100					Not used	
1	SW47679	IC1969-0.5		A1261	200			✓	✓	OK	
1	SW47680	IC1969-0.2		A1261	80			✓	✓	OK	using AS9421
1	SW47681	IC1969-0.1		A1261	40			✓	✓	OK	
1	SW47682	IC1969-0.04		A1261	16			✓	✓	OK	
4	SW47683	ICV1969-10		A965	100					OK	
4	SW47684	ICV1969-10		A965	100			✓	✓	OK	wrong position

JH 2/1/22

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

SGS

TO-15

Batch ID: V5W2045

Date: 4/23/2022

Analyst Signature:

Columns: RTX VMS 60m x 0.25mm x 1.4um
Method: SWTO15A.M
Seq. File: SW20220423.S
Initial Cal. Method: MSW1969.M

AS Data

Method: TO15E.CTD3

Standard Data

Lot #	Description	Conc.

Standard Data

Lot #	Description	Conc.
AS9188	Int/Surr:	100ppbv
AS9503	TO15 STD (A974)	40 ppbv

(M) Manually integrated chromatographic peaks in the following reportable file have been reviewed and verified to comply with the criteria of SGS SOP EQA044.

Supervisor Signature: Date: 4/25/22

AS #	Data File	Sample ID	TEST	Canister Serial #	Vol Sample	Dil Fact	TICS	Int. STD Areas	Surr	Status Data	Comments
1	SW49454	BFB		open position	400					OK	9:23am
2	SW49455	cc/1969-10		A974	100			✓	✓	OK	multiple compounds ↑
2	SW49456	BS		A974	100			✓	✓	OK	chloroethane ↓ multiple compounds ↑
2	SW49457	BSD		A974	100			✓	✓	OK	multiple compounds ↓ multiple compounds ↑
3	SW49458	IB		A958	100					—	
3	SW49459	MB		A958	400			✓	✓	OK	
4	SW49460	SCC, CP11661		A1663	400			✓	✓	OK	
5	SW49461	JD41855-2	STD MS57724	A774	100	1		✓	✓	OK	
5	SW49462	JD41855-2 DUP	✓	A774	100	1		1↑		not used	MATRIX
6	SW49463	JD41855-3	✓	A1111	40	1		1↑2↑		OK	MATRIX
7	SW49464	JD41855-4	✓	M156	20	1		1↑2↑		OK/DL	MATRIX
8	SW49465	~~JD41855-5~~ IB	✓	~~A833~~	~~40~~	+		1↑		—	
9	SW49466	~~JD41855-6~~	NYL MS57754	~~A669~~ A870	~~400~~ 500	1		✓	✓	OK	JD41994-2
10	SW49467	~~JD41855-7~~	✓	~~A669~~ A76	~~400~~ 500	1		✓	✓	OK	JD41994-2 dup
11	SW49468	~~JD41855-8 DUP~~	✓	~~A763~~ M27	~~400~~ 500	1		✓	✓	OK	JD41994-4
12	SW49469	~~JD41855-9~~	✓	~~M415~~ A207	~~400~~ 500	1		✓	✓	OK	JD41994-6
13	SW49470	~~JD42004-1~~	✓	~~A1111~~ A874	400 500	1		✓	✓	OK	JD41994-8
14	SW49471	~~JD42004-2~~	Sc MS57754	A1093 ~~A1223 40NG~~	~~400~~ 500	+10 1		✓	✓	OK	JD41994-10
15	SW49472	~~JD42060-1~~	✓	~~A1551~~ A765	~~400~~ 400	+10 1		✓	✓	OK	JD41994-1
16	SW49473	~~JD42060-2~~	Sc MS57754	~~A1551~~ M133	~~400~~ 400	1		✓	✓	OK	JD41994-3
1	SW49474	~~JD42060-3~~	✓	~~A869~~ ~~A1251~~ M133	~~400~~ 400	1		✓	✓	OK	JD41994-5
2	SW49475	~~JD42060-4~~	✓	~~A1405~~ M128	400	1		✓	✓	OK	JD41994-7
3	SW49476	JD42060-5	✓	~~A811~~ M109	400	1		✓	✓	OK	JD41994-9
4	SW49477	JD42060-4	STD + MS57754	M404	40	1					Acetone ↑ reagent
5	SW49478	JD42060-3	✓	A011	40	1					Acetone ↑ reagent
6	SW49479	JD42060-2	✓	A1405	40	1					Acetone ↑ reagent
7	SW49480	JD42060-1	✓	A905	100	1					
8	SW49481	SCC, CP11685		M097	100	1					
	SW49482			A1738	400	1				ME	possible dup

All strikeouts must be initial and dated. Comment is require for anything other than a transcription error.

BL 4/23/22

DAYT-AIR-0006-06-FORM-TO15 Instrument Log

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1/9/18

Appendix E:
Inspection Checklist

PERIODIC REVIEW REPORT – INSPECTION CHECKLIST

HARBOR SQUARE WATERFRONT
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

COMPOSITE COVER SYSTEM

- Is the integrity of the cover system in tact? Yes _**X**_ No ___
- Do the maintenance records indicate any invasive subsurface work has been completed after the last inspection? Yes ___ No _**X**_
- Has any soil been removed or imported from the Site since the last inspection? Yes ___ No _**X**_
- If soil has been disposed off-Site or imported, has this been completed in accordance with the NYSDEC approved Soil Management Plan for the Site? Yes ___ No ___**(N/A)**
- If subsurface invasive work was undertaken, has the demarcation geotextile and the "clean soil cover" been restored? Yes ___ No ___**(N/A)**
- Did a Professional Engineer or a qualified environmental professional (approved by the NYSDEC) oversee the above work? Yes ___ No ___**(N/A)**
- Was NYSDEC notified of disturbances to the "Clean Soil Cover"? Yes ___ No ___**(N/A)**

SLURRY WALL

- Have DNAPL monitoring /recovery wells MW-A, MW-B, MW-C1, MW-C2, and MW-D been checked/gauged for the presence and thickness of DNAPL? Yes _**X**_ No __ (N/A)

*MW-C1 was unable to be located

- Have the relatively deep monitoring wells MW-6A and MW-7A been checked/gauged for the presence and thickness of DNAPL? Yes _**X**_ No ___
- Have any product seeps been observed along the property lines abutting the Hudson River and Sing Sing Kill? Yes ___ No _**X**_
- If indications of DNAPL were observed in any of the above instances, has the NYSDEC been notified? Yes ___ No __**(N/A)**

PERIODIC REVIEW REPORT – INSPECTION CHECKLIST

HARBOR SQUARE WATERFRONT
1 WESTERLY ROAD, VILLAGE OF OSSINING, NEW YORK
NYSDEC BCP No. C360091
SESI CONSULTING ENGINEERS PROJECT # 7173

SUB-SLAB VENTING/DEPRESSURIZATION SYSTEM (SSDS)

- Is the SSDS operating as designed? Yes _**X**_ No ___

- Do the maintenance records indicate any problems since the last inspection (e.g., broken vent pipes, clogged sub-slab drainage pipes, odors reported by residents and others etc.) Yes ___ No _**X**_

- Did an inspection of the concrete slab above the SSDS indicate new cracks or other breaches (e.g., new utilities going through the slab, etc.)? Yes ___ No _**X**_

- Have the cracks been sealed? Yes __ No ___**(N/A)**

- Is the labeling associated with the system intact? Yes ___ No _**X**_

    - Missing screws in well cover for SSDS sample port in the Storage Room only

- Has the annual indoor sampling been completed? Yes _**X** No ___(N/A)

- Has the NYSDEC been notified of any problem with the SSDS? Yes __ No ___**(N/A)**

MONITORING WELL NETWORK

- Are all the on-Site monitoring wells accessible for annual compliance sampling (i.e., they are not covered by soil, dumpsters, etc.)? Yes _ **X** _ No ___

- Is the integrity of the flush-mount manhole covers and associated concrete pads intact? Yes _ **X** __ No __

- Are the monitoring wells locked and the locks functioning? Yes _ **X**_ No __

Notes: * MW-C1 was unable to be located during inspections.
Inspections/Monitoring conducted on June 10, 2022 by CM - Clear, 90ºF, and 6/29/2022 by JM - Clear, 80ºF

Appendix F:
Environmental Easement

ENVIRONMENTAL EASEMENT GRANTED PURSUANT TO ARTICLE 71, TITLE 36 OF THE NEW YORK STATE ENVIRONMENTAL CONSERVATION LAW

THIS INDENTURE made this _____day of _____, 20__, between Owner(s) Harbor Square Crossings, LLC, having an office at 100 Summit Lake Drive, Suite 235, Valhalla, New York 10595, County of Westchester, State of New York (the "Grantor"), and The People of the State of New York (the "Grantee."), acting through their Commissioner of the Department of Environmental Conservation (the "Commissioner", or "NYSDEC" or "Department" as the context requires) with its headquarters located at 625 Broadway, Albany, New York 12233,

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to encourage the remediation of abandoned and likely contaminated properties ("sites") that threaten the health and vitality of the communities they burden while at the same time ensuring the protection of public health and the environment; and

WHEREAS, the Legislature of the State of New York has declared that it is in the public interest to establish within the Department a statutory environmental remediation program that includes the use of Environmental Easements as an enforceable means of ensuring the performance of operation, maintenance, and/or monitoring requirements and the restriction of future uses of the land, when an environmental remediation project leaves residual contamination at levels that have been determined to be safe for a specific use, but not all uses, or which includes engineered structures that must be maintained or protected against damage to perform properly and be effective, or which requires groundwater use or soil management restrictions; and

WHEREAS, the Legislature of the State of New York has declared that Environmental Easement shall mean an interest in real property, created under and subject to the provisions of Article 71, Title 36 of the New York State Environmental Conservation Law ("ECL") which contains a use restriction and/or a prohibition on the use of land in a manner inconsistent with engineering controls which are intended to ensure the long term effectiveness of a site remedial program or eliminate potential exposure pathways to hazardous waste or petroleum; and

WHEREAS, Grantor, is the owner of real property located at the address of 3 Westerly Road in the Village and Town of Ossining, County of Westchester and State of New York, known and designated on the tax map of the County Clerk of Westchester as tax map parcel number: Section 97.06 Block 1 Lot 9.1, being the same as the property conveyed to Grantor by deed dated April 10, 2014 and recorded in the Westchester County Clerk's Office at Control No. 540993596. The property subject to this Environmental Easement (the "Controlled Property") comprises approximately 3.8662 +/- acres, and is hereinafter more fully described in the Land Title Survey dated August 24, 2015 and last revised January 28, 2016 prepared by Contractors' Line & Grade South, LLC, which will be attached to the Site Management Plan. The Controlled Property descriptions are set forth in and attached hereto as Schedules A through C; and

WHEREAS, the Department accepts this Environmental Easement in order to ensure the protection of public health and the environment and to achieve the requirements for remediation established for the Controlled Property until such time as this Environmental Easement is

extinguished pursuant to ECL Article 71, Title 36; and

NOW THEREFORE, in consideration of the mutual covenants contained herein and the terms and conditions of Order on Consent Index Number: A3-0566-1006, Grantor conveys to Grantee a permanent Environmental Easement pursuant to ECL Article 71, Title 36 in, on, over, under, and upon the Controlled Property as more fully described herein ("Environmental Easement").

1. Purposes. Grantor and Grantee acknowledge that the Purposes of this Environmental Easement are: to convey to Grantee real property rights and interests that will run with the land in perpetuity in order to provide an effective and enforceable means of encouraging the reuse and redevelopment of this Controlled Property at a level that has been determined to be safe for a specific use while ensuring the performance of operation, maintenance, and/or monitoring requirements; and to ensure the restriction of future uses of the land that are inconsistent with the above-stated purpose.

2. Institutional and Engineering Controls. The controls and requirements listed in the Department approved Site Management Plan ("SMP") including any and all Department approved amendments to the SMP are incorporated into and made part of this Environmental Easement. These controls and requirements apply to the use of the Controlled Property, run with the land, are binding on the Grantor and the Grantor's successors and assigns, and are enforceable in law or equity against any owner of the Controlled Property, any lessees and any person using the Controlled Property.

A. (1) The Controlled Property may be used for:

Restricted Residential as described in 6 NYCRR Part 375-1.8(g)(2)(ii), Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv) except that portion of the Controlled Property described in Schedule C as the "Commercial Use Parcel", which may be used for Commercial as described in 6 NYCRR Part 375-1.8(g)(2)(iii) and Industrial as described in 6 NYCRR Part 375-1.8(g)(2)(iv)

(2) All Engineering Controls must be operated and maintained as specified in the Site Management Plan (SMP);

(3) All Engineering Controls must be inspected at a frequency and in a manner defined in the SMP;

(4) The use of groundwater underlying the property is prohibited without necessary water quality treatment as determined by the NYSDOH or the Westchester County Department of Health to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval to do so from the Department;

(5) Groundwater and other environmental or public health monitoring must be performed as defined in the SMP;

(6) Data and information pertinent to Site Management of the Controlled Property must be reported at the frequency and in a manner defined in the SMP;

(7) All future activities on the property that will disturb remaining contaminated material must be conducted in accordance with the SMP;

(8) Monitoring to assess the performance and effectiveness of the remedy must be performed as defined in the SMP;

(9) Operation, maintenance, monitoring, inspection, and reporting of any mechanical or physical components of the remedy shall be performed as defined in the SMP;

(10) Access to the site must be provided to agents, employees or other representatives of the State of New York with reasonable prior notice to the property owner to assure compliance with the restrictions identified by this Environmental Easement.

B. The Controlled Property described in Schedule A and B shall not be used for Residential purposes as defined in 6NYCRR 375-1.8(g)(2)(i), except that portion of the controlled property identified in Schedule C herein, which shall not be used for Residential or Restricted Residential purposes as defined in 6 NYCRR 375-1.8(g)(2)(i) and (ii), and the above-stated engineering controls may not be discontinued without an amendment or extinguishment of this Environmental Easement.

C. The SMP describes obligations that the Grantor assumes on behalf of Grantor, its successors and assigns. The Grantor's assumption of the obligations contained in the SMP which may include sampling, monitoring, and/or operating a treatment system, and providing certified reports to the NYSDEC, is and remains a fundamental element of the Department's determination that the Controlled Property is safe for a specific use, but not all uses. The SMP may be modified in accordance with the Department’s statutory and regulatory authority. The Grantor and all successors and assigns, assume the burden of complying with the SMP and obtaining an up-to-date version of the SMP from:

Site Control Section
Division of Environmental Remediation
NYSDEC
625 Broadway
Albany, New York 12233
Phone: (518) 402-9553

D. Grantor must provide all persons who acquire any interest in the Controlled Property a true and complete copy of the SMP that the Department approves for the Controlled Property and all Department-approved amendments to that SMP.

E. Grantor covenants and agrees that until such time as the Environmental Easement is extinguished in accordance with the requirements of ECL Article 71, Title 36 of the ECL, the property deed and all subsequent instruments of conveyance relating to the Controlled Property shall state in at least fifteen-point bold-faced type:

This property is subject to an Environmental Easement held by the New York State Department of Environmental Conservation pursuant to Title 36 of Article 71 of the Environmental Conservation Law.

F. Grantor covenants and agrees that this Environmental Easement shall be incorporated in full or by reference in any leases, licenses, or other instruments granting a right to use the Controlled Property.

G. Grantor covenants and agrees that it shall, at such time as NYSDEC may require, submit to NYSDEC a written statement by an expert the NYSDEC may find acceptable certifying under penalty of perjury, in such form and manner as the Department may require, that:

(1) the inspection of the site to confirm the effectiveness of the institutional and engineering controls required by the remedial program was performed under the direction of the individual set forth at 6 NYCRR Part 375-1.8(h)(3).

(2) the institutional controls and/or engineering controls employed at such site:

(i) are in-place;

(ii) are unchanged from the previous certification, or that any identified changes to the controls employed were approved b the NYSDEC and that all controls are in the Department-approved format; and

(iii) that nothing has occurred that would impair the ability of such control to protect the public health and environment;

(3) the owner will continue to allow access to such real property to evaluate the continued maintenance of such controls;

(4) nothing has occurred that would constitute a violation or failure to comply with any site management plan for such controls;

(5) the report and all attachments were prepared under the direction of, and reviewed by, the party making the certification;

(6) to the best of his/her 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

(7) the information presented is accurate and complete.

3. Right to Enter and Inspect. Grantee, its agents, employees, or other representatives of the State may enter and inspect the Controlled Property in a reasonable manner and at reasonable times to assure compliance with the above-stated restrictions.

4. Reserved Grantor's Rights. Grantor reserves for itself, its assigns, representatives, and successors in interest with respect to the Property, all rights as fee owner of the Property, including:

A. Use of the Controlled Property for all purposes not inconsistent with, or limited by the terms of this Environmental Easement;

B. The right to give, sell, assign, or otherwise transfer part or all of the underlying fee interest to the Controlled Property, subject and subordinate to this Environmental Easement;

5. Enforcement

A. This Environmental Easement is enforceable in law or equity in perpetuity by Grantor, Grantee, or any affected local government, as defined in ECL Section 71-3603, against the owner of the Property, any lessees, and any person using the land. Enforcement shall not be defeated because of any subsequent adverse possession, laches, estoppel, or waiver. It is not a defense in any action to enforce this Environmental Easement that: it is not appurtenant to an interest in real property; it is not of a character that has been recognized traditionally at common law; it imposes a negative burden; it imposes affirmative obligations upon the owner of any interest in the burdened property; the benefit does not touch or concern real property; there is no privity of estate or of contract; or it imposes an unreasonable restraint on alienation.

B. If any person violates this Environmental Easement, the Grantee may revoke the Certificate of Completion with respect to the Controlled Property.

C. Grantee shall notify Grantor of a breach or suspected breach of any of the terms of this Environmental Easement. Such notice shall set forth how Grantor can cure such breach or suspected breach and give Grantor a reasonable amount of time from the date of receipt of notice in which to cure. At the expiration of such period of time to cure, or any extensions granted by Grantee, the Grantee shall notify Grantor of any failure to adequately cure the breach or suspected breach, and Grantee may take any other appropriate action reasonably necessary to remedy any breach of this Environmental Easement, including the commencement of any proceedings in accordance with applicable law.

D. The failure of Grantee to enforce any of the terms contained herein shall not be deemed a waiver of any such term nor bar any enforcement rights.

6. Notice. Whenever notice to the Grantee (other than the annual certification) or approval from the Grantee is required, the Party providing such notice or seeking such approval shall identify the Controlled Property by referencing the following information:

County, NYSDEC Site Number, NYSDEC Brownfield Cleanup Agreement, State Assistance Contract or Order Number, and the County tax map number or the Liber and Page or computerized system identification number.

Parties shall address correspondence to:
Site Number: C360091
Office of General Counsel
NYSDEC
625 Broadway
Albany New York 12233-5500

With a copy to:
Site Control Section
Division of Environmental Remediation
NYSDEC

625 Broadway
Albany, NY 12233

All notices and correspondence shall be delivered by hand, by registered mail or by Certified mail and return receipt requested. The Parties may provide for other means of receiving and communicating notices and responses to requests for approval.

7. Recordation. Grantor shall record this instrument, within thirty (30) days of execution of this instrument by the Commissioner or her/his authorized representative in the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

8. Amendment. Any amendment to this Environmental Easement may only be executed by the Commissioner of the New York State Department of Environmental Conservation or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

9. Extinguishment. This Environmental Easement may be extinguished only by a release by the Commissioner of the New York State Department of Environmental Conservation, or the Commissioner's Designee, and filed with the office of the recording officer for the county or counties where the Property is situated in the manner prescribed by Article 9 of the Real Property Law.

10. Joint Obligation. If there are two or more parties identified as Grantor herein, the obligations imposed by this instrument upon them shall be joint and several.

Remainder of Page Intentionally Left Blank

IN WITNESS WHEREOF, Grantor has caused this instrument to be signed in its name.

Harbor Square Crossings, LLC:

By: _____

Print Name: _____

Title:_____ Date:_____

Grantor's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF)

On the _____ day of _____, in the year 20 __, before me, the undersigned, personally appeared _____, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies), and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

_____
Notary Public - State of New York

THIS ENVIRONMENTAL EASEMENT IS HEREBY ACCEPTED BY THE PEOPLE OF THE STATE OF NEW YORK, Acting By and Through the Department of Environmental Conservation as Designee of the Commissioner,

By: _____
Robert W. Schick, Director
Division of Environmental Remediation

Grantee's Acknowledgment

STATE OF NEW YORK)
) ss:
COUNTY OF ALBANY)

On the _____ day of _____, in the year 20__, before me, the undersigned, personally appeared Robert W. Schick, personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name is (are) subscribed to the within instrument and acknowledged to me that he/she/ executed the same in his/her/ capacity as Designee of the Commissioner of the State of New York Department of Environmental Conservation, and that by his/her/ signature on the instrument, the individual, or the person upon behalf of which the individual acted, executed the instrument.

_____
Notary Public - State of New York

Appendix G:
Well Sampling Logs

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			Job Number:	7173	WELL I.D. : MW-2A			
Personnel:	JCS			Date:	6/30/2020				
				PID:	0				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		28		6.35	21.65	17	20		Peristaltic
Turbidity at collection (NTU):		8.5	(Less than 5 NTU is desirable)		Duplicate Collected? Yes			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	850	19.38	8.83	5.02	12.58	-96	13.2	6.5	Slight Odor
	855	17.64	7.65	4.99	4.39	-141	8	9.31	Slight Odor
	900	18	7.57	4.88	3.43	-139	3.9	10.1	Slight Odor
	905	18.07	7.53	4.86	2.76	-137	1.3	11.28	Slight Odor
	910	18.04	7.51	4.84	2.16	-136	0.9	12.2	Slight Odor
	915	18.1	7.51	4.79	1.93	-137	0.5	13.2	Slight Odor
	920	18.55	7.52	4.76	1.51	-139	1.7	14.25	Slight Odor
	925	18.7	7.47	4.8	2.8	-133	19	14.9	Slight Odor
	930	18.88	7.47	4.84	2.65	-140	17.1	15.65	Slight Odor
	935	19.07	7.47	4.81	2.43	-145	1.9	16.32	Slight Odor
	940	19.2	7.47	4.8	2.29	-148	5.3	17.11	Slight Odor
	945	19.37	7.47	4.8	2.13	-149	3.4	17.75	Slight Odor
	950	19.5	7.47	4.83	1.91	-149	3.4	18.2	Slight Odor
	955	19.41	7.47	4.82	1.8	-149	7.6	19	Slight Odor
	1000	19.33	7.47	4.81	1.74	-149	5	19.2	Slight Odor
5	1005	19.6	7.47	4.78	1.71	-149	8.5	19.3	Slight Odor

Well Condition Summary

Cover: Y	Bolts: Y		Concrete Pad OK: Y	Gripper: Y	

Sample Collection Information

Sample Time:	1010	Appearance: Slight Yellow	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			Job Number:	7173	WELL I.D. : MW-2A			
Personnel:	CM			Date:	6/28/2021				
				PID:	0				

Stickup? N / Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		28		5.4	22.6	16.7	17		Peristaltic

Turbidity at collection (NTU):	10.4	(Less than 5 NTU is desirable)	Duplicate Collected? N		Filtered Sample	N
Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	925	22.43	7.65	4.31	0.42	-80	18.2	5.4	Slight Odor
	930	20.02	7.57	4.42	0.04	-95	31.6	8.2	Slight Odor
	935	19.44	7.54	4.48	0.01	-97	37.4	8.8	Slight Odor
	940	19.81	7.53	4.43	0	-97	41.4	9.4	Slight Odor
	945	19.63	7.54	4.46	0	-98	41.3	9.9	Slight Odor
	950	19.65	7.55	4.44	0	-98	35.9	10.2	Slight Odor
3	955	19.61	7.56	4.45	0	-98	34.1	10.3	Slight Odor

Well Condition Summary

Cover: Y	Bolts: Y		Concrete Pad OK: Y	Gripper: Y	

Sample Collection Information

Sample Time:	955	Appearance: Slight Yellow	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D. : MW-2A**			
Personnel:	CM			**Date:**	6/10/2022	SESI CONSULTING ENGINEERS			
				PID:	2				
Stickup? N / **Distance ground to Stickup Rim/PVC**	**Distance From Rim to PVC**	**Total Depth of Well Rim/PVC**	**Depth to Product Rim/PVC**	**Depth to Water (Rim/PVC)**	**Standing Water Column (feet)**	**Middle of Saturated Zone (feet)**	**Depth to Sample Tube (feet)**	**TOV @ Well Head (ppmv)**	**Pump Peristaltic or Bladder**
-	0.24	25.26	NA	5.07	20.19	15.17	17	-	Peristaltic
Turbidity at collection (NTU):		6.5	(Less than 5 NTU is desirable)		**Duplicate Collected? Y**			**Filtered Sample**	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	830	16.27	7.58	5.85	0	3	57	7.45	N
	935	16.35	7.53	5.81	0	4	15.9	7.74	N
	940	16.36	7.52	5.81	0	2	17.9	8.18	N
	945	16.62	7.52	5.76	0	2	13.5	8.57	N
	950	16.71	7.51	5.74	0	4	13	9.4	N
	955	16.86	7.51	5.79	0	8	7	9.65	N
	1000	17	7.51	5.76	0	10	6	9.75	N
	1005	16.65	7.51	5.74	0	6	5.2	10	N
	1010	16.76	7.5	5.66	0	6	5.4	10.22	N
	1015	17.2	7.51	5.6	0	10	5.3	11.35	N
1.5	1020	17.46	7.5	5.58	0	12	6.5	11.43	N

Well Condition Summary

Cover: Y	**Bolts: Y**		**Concrete Pad OK: Y**	**Gripper: Y**

Sample Collection Information

Sample Time:	1020	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	**Y / N**	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		**Y / N**		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			Job Number:	7173	WELL I.D. : MW-7A			
Personnel:	JCS			Date:	6/30/2020				
				PID:	0				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		32		9.28	22.72	20	20		Peristaltic
Turbidity at collection (NTU):		14.9	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1055	21.41	7.55	7.46	1.07	-124	11.1	10.35	Slight Odor
	1100	17.57	7.1	8	0	-134	4.4	11.3	Slight Odor
	1105	17.11	7.04	8.11	0	-136	5.1	12.3	Slight Odor
	1110	16.59	7.01	8.09	0	-136	14.9	13	Slight Odor
	1115	16.54	6.99	8.05	0	-136	20.3	13.35	Slight Odor
	1120	16.46	6.97	8	0	-135	18.7	13.5	Slight Odor
	1125	16.79	6.94	7.91	0	-134	18.3	13.65	Slight Odor
2.5	1130	16.65	6.93	7.88	0	-133	14.9	13.7	Slight Odor

Well Condition Summary

Cover: Y		Bolts: Y		Concrete Pad OK: Y	Gripper: Y

Sample Collection Information

Sample Time:	1135	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			Job Number:	7173	WELL I.D. : MW-7A			
Personnel:	CM			Date:	6/28/2021				
				PID:	0				

Stickup? N / Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
		32		9.85	22.15	21	21		Peristaltic

Turbidity at collection (NTU):	26.7	(Less than 5 NTU is desirable)	Duplicate Collected? N		Filtered Sample	N
Stabilization Parameters	+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1115	18.92	7.3	7.52	2.01	-80	44.3	9.9	Slight Odor
	1120	17.8	7.12	7.62	0.86	-86	38.1	11.2	Slight Odor
	1125	17.34	7.04	7.64	0.07	-89	21.2	11.5	Slight Odor
	1130	17.29	7.04	7.63	0	-91	21.4	12.2	Slight Odor
	1135	17.73	7.05	7.72	0	-92	23	12.4	Slight Odor
	1140	16.98	7.05	7.94	0	-92	22.7	12.9	Slight Odor
	1145	16.68	7.05	7.8	0	-92	25.1	13	Slight Odor
2.5	1150	16.41	7.04	7.71	0	-91	26.7	13.3	Slight Odor

Well Condition Summary

Cover: Y	Bolts: Y		Concrete Pad OK: Y	Gripper: Y	

Sample Collection Information

Sample Time:	1150	Appearance: Clear	Filtered Sample Turbidity:	OTHER:

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		Capacity (Qt.) =		Present:	Y / N	Product Measured (Inches) :	
Sock Installation Date:			Sock Changed :		Y / N		
Sock Depth (Depth to sock mid point):							

LOW-FLOW GROUNDWATER SAMPLING LOG

Location:	Ossining, NY			**Job Number:**	7173	**WELL I.D. : MW-7A**			
Personnel:	CM			**Date:**	6/10/2022	SESI CONSULTING ENGINEERS			
				PID:	0				
Stickup? N Distance ground to Stickup Rim/PVC	Distance From Rim to PVC	Total Depth of Well Rim/PVC	Depth to Product Rim/PVC	Depth to Water (Rim/PVC)	Standing Water Column (feet)	Middle of Saturated Zone (feet)	Depth to Sample Tube (feet)	TOV @ Well Head (ppmv)	Pump Peristaltic or Bladder
-	0.17	31.95	NA	9.33	22.62	20.64	20	-	Peristaltic
Turbidity at collection (NTU):		19.2	(Less than 5 NTU is desirable)		Duplicate Collected? N			Filtered Sample	N
Stabilization Parameters		+/- 0.5 deg C.	+/- 0.1 Unit	+/- 10 umhos/cm or within 3% if >300umho	1 ppm	+/- 10 mV	No Limit	<.3 feet drawdown desirable	No Limit

Volume Purged (gallons)	Time (actual Time) 5 minute Intervals	TEMP. (Deg. C)	pH	Specific Conductivity uS/cm	Dissolved Oxygen (mg/L)	ORP mV millivolts	Turbidity NTUs	DTW (feet)	Odors Y/N
	1135	21.84	7.19	8.14	0.48	43	6.7	10.6	N
	1140	20.26	7.04	8.42	0	31	9.5	11.3	N
	1145	19.62	7.03	8.53	0	26	11.5	11.57	N
	1150	18.72	7	8.69	0	25	14.8	12	N
	1155	18.86	6.99	8.67	0	25	17.3	12.31	N
	1200	19.11	6.96	8.62	0	27	17	12.49	N
2	1205	19.15	6.98	8.62	0	28	19.2	12.75	N

Well Condition Summary

Cover: Y	**Bolts: Y**		**Concrete Pad OK: Y**	**Gripper: Y**	

Sample Collection Information

Sample Time:	1210	**Appearance: Clear**	**Filtered Sample Turbidity:**	**OTHER:**

Desired purge flow rate <100mL/min (slow drip) & turbidity <10 if possible. If turbidity > 10 collect filtered and unfiltered samples. Notify PM of high turbidity and collection of filtered samples prior to lab submittal. Minimum 20 minute purge to establish stabilization.

Notes/ Calculations:

Volume? Linear Ft of well casing; 1"=0.041 gal. 2"= 0.163 gal. 4"=0.653 gal.

ABSORBENT SOCK

Sock Length (ft) =		**Capacity (Qt.) =**		**Present:**	Y / N	**Product Measured (Inches) :**	
Sock Installation Date:			**Sock Changed :**		Y / N		
Sock Depth (Depth to sock mid point):							

Appendix H:
NYSDEC Institutional and Engineering Controls Certification Form

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

5/3/2022

Martin Ginsburg
Managing Member
Harbor Square Crossings, LLC
c/o Ginsburg Development Companies LLC
100 Summit Lake Drive, Suite 100
Valhalla, NY 10595
mginsburg@gdcllc.com

Re: Reminder Notice: Site Management Periodic Review Report and IC/EC Certification Submittal
Site Name: The Harbor Square Site
Site No.: C360091
Site Address: One Harbor Sq (frmrly Westerly Road)
Ossining, NY 10562

Dear Martin Ginsburg:

This letter serves as a reminder that sites in active Site Management (SM) require the submittal of a periodic progress report. This report, referred to as the Periodic Review Report (PRR), must document the implementation of, and compliance with, site-specific SM requirements. Section 6.3(b) of DER-10 *Technical Guidance for Site Investigation and Remediation* (available online at http://www.dec.ny.gov/regulations/67386.html) provides guidance regarding the information that must be included in the PRR. Further, if the site is comprised of multiple parcels, then you as the Certifying Party must arrange to submit one PRR for all parcels that comprise the site. The PRR must be received by the Department no later than **July 15, 2022**. Guidance on the content of a PRR is enclosed.

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

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

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



All site-related documents and data, including the PRR, must be submitted in electronic format to the Department of Environmental Conservation. The required format for documents is an Adobe PDF file with optical character recognition and no password protection. Data must be submitted as an electronic data deliverable (EDD) according to the instructions on the following webpage:

https://www.dec.ny.gov/chemical/62440.html

Documents may be submitted to the project manager either through electronic mail or by using the Department's file transfer service at the following webpage:

https://fts.dec.state.ny.us/fts/

The Department will not approve the PRR unless all documents and data generated in support of the PRR have been submitted using the required formats and protocols.

You may contact Rachel Savarie, the Project Manager, at 518-402-9717 or rachel.savarie@dec.ny.gov with any questions or concerns about the site. Please notify the project manager before conducting inspections or field work. You may also write to the project manager at the following address:

New York State Department of Environmental Conservation
Division of Environmental Remediation, BURC
625 Broadway

Albany, NY 12233-7014

Enclosures

PRR General Guidance
Certification Form Instructions
Certification Forms

ec: w/ enclosures

ec: w/ enclosures
Rachel Savarie, Project Manager
Kevin Carpenter, Section Chief
Dan Bendell, Hazardous Waste Remediation Supervisor, Region 3
SESI Consulting - Michael St. Pierre, PE - msp@sesi.org

The following parcel owner did not receive an ec:
Harbor Square Crossings, LLC - Parcel Owner
Village Of Ossining - Parcel Owner

Enclosure 1

Certification Instructions

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

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

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

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

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

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

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

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

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

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

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

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

Site Details **Box 1**

Site No. **C360091**

Site Name The Harbor Square Site

Site Address: One Harbor Sq (frmrly Westerly Road) Zip Code: 10562
City/Town: Ossining
County: Westchester
Site Acreage: 4.550

Reporting Period: June 15, 2019 to June 15, 2022

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

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

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. C360091 **Box 3**

Description of Institutional Controls

Parcel	Owner	Institutional Control
97.06-1-11.1	Village of Ossining	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan

1. Groundwater Use Restriction: The use of groundwater underlying the property is prohibited without treatment to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval from the Department and the Westchester County Department of Health.

2. Land Use Restriction: The controlled property as described in the environmental easement is restricted to a commercial use. Vegetable gardens and farming on the controlled property is prohibited.

3. Site Management Plan: Any intrusive activities, including building renovation/expansion, subgrade utility line repair/relocation, and new construction which will cause a disturbance of the soil below the demarcation barrier (e.g. geotextile) must be conducted in accordance with the Department approved Site Management Plan (SMP).

4. Monitoring Plan: Monitor, maintain, and replace as necessary any on-site Groundwater Monitoring Wells, DNAPL Recovery Wells, and sub-slab vapor extraction systems as depicted on Schedule A Survey and as set forth in Section 4 of the Department approved SMP.

97.06-1-9.1	Harbor Square Crossings, LLC	Monitoring Plan Ground Water Use Restriction Landuse Restriction Site Management Plan

1. Groundwater Use Restriction: The use of groundwater underlying the property is prohibited without treatment to render it safe for use as drinking water or for industrial purposes, and the user must first notify and obtain written approval from the Department and the Westchester County Department of Health.

2. Land Use Restriction: The controlled property as described in the 2016 executed environmental easement and survey is restricted to a restricted-residential and commercial use. Vegetable gardens and farming on the controlled property is prohibited.

3. Site Management Plan: Any intrusive activities, including building renovation/expansion, subgrade utility line repair/relocation, and new construction which will cause a disturbance of the soil below the demarcation barrier (e.g. geotextile) must be conducted in accordance with the Department approved Site Management Plan (SMP).

4. Monitoring Plan: Monitor, maintain, and replace as necessary any on-site Groundwater Monitoring Wells, DNAPL Recovery Wells, and sub-slab vapor extraction systems as depicted on Schedule A Survey and as set forth in Section 4 of the Department approved SMP.

Box 4

Description of Engineering Controls

Parcel	Engineering Control
97.06-1-11.1	Vapor Mitigation Cover System

1. Cover System: Any soil on the property must be covered by a barrier layer approved by the Department such as concrete, asphalt, structures, or a minimum one (1) foot soil cover underlain by a demarcation barrier (e.g. geotextile) for vegetated areas.

2. Vapor Mitigation: Should a building(s) be erected, prior to construction, a Soil Vapor Intrusion (SVI) Investigation shall be conducted in accordance with the applicable guidance in effect at the time of the investigation. If the results of this SVI investigation demonstrate the need for a sub-slab vapor extraction system, an appropriate system shall be designed, constructed and maintained.

Parcel	Engineering Control

3. Groundwater Monitoring Wells: Maintain and replace as necessary, MW-7 and MW-7A, as depicted on Schedule A Survey and as set forth in Section 4 of the Department approved SMP.

97.06-1-9.1

Vapor Mitigation
Cover System
Subsurface Barriers

1. Cover System: Any soil on the property must be covered by a barrier layer approved by the Department such as 6 inches of concrete, asphalt, structures, or a minimum of one (1) foot or two (2) foot soil cover for those areas designated uses, commercial or the active park area, underlain by a demarcation barrier (e.g. geotextile) for vegetated areas.

2. Vapor Mitigation: 3 Buildings have been erected with a passive sub-slab depressurization systems. A Soil Vapor Intrusion (SVI) Investigation shall be conducted in accordance with the applicable DOH guidance in effect once the buildings have been in service for at least 30 days with an operating heating and cooling system. If the results of this SVI investigation demonstrate the need for further investigation or an active sub-slab vapor extraction system, the indoor air shall be tested, and if needed, systems shall be upgraded.

3. Subsurface Barriers: Maintain the DNAPL Slurry Wall as depicted on Schedule A Survey and as set forth in Section 4 of the Department Approved Site Management Plan but allow installation of conical pipe piles behind the slurry wall (as described in the Department approved August 2007 Remedial Design).

4. DNAPL Recovery System: Operate and maintain, provide access to the dense non-aqueous phase liquid (DNAPL) Recovery System (e.g. MW-D) as depicted on Schedule A Survey and as set forth in Section 4 of the Department Approved SMP.

5. Groundwater Monitoring Wells: Maintain and replace as necessary groudnwater montioring wells as depicted on Schedule A Survey and as set forth in Section 4 of the Department approved SMP.

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. C360091

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 Douglas A. Ramsay (print name) at 100 Summit Lake Drive - Suite 235, Valhalla, NY 10595 (print business address),

am certifying as Owner (Owner or Remedial Party)

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

Signature of Owner, Remedial Party, or Designated Representative Rendering Certification — July 8, 2022 (Date)

EC CERTIFICATIONS

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 Michael St. Pierre, PE (print name) at SESI Consulting Engineers 12A Maple Avenue, Pine Brook, NJ 07058 (print business address),

am certifying as a Professional Engineer for the Harbor Square Crossings, LLC (Owner or Remedial Party)



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

Stamp (Required for PE)

7/15/22
Date