WALDEN ENVIRONMENTAL ENGINEERING

Sent via email to joseph.jones@dec.ny.gov

October 6, 2021
IMPL0115.6

Mr. Joseph Jones
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway, 12th Floor
Albany, New York 12233-7015

Re: Additional Pre-Design Subsurface Investigation Summary Report
Former Imperial Cleaners Site (BCP #C130225)
218 Lakeville Road, Lake Success, NY

Dear Mr. Jones:

Walden Environmental Engineering, PLLC (Walden) has reviewed the NYSDEC and NYSDOH comments on the *Additional Pre-Design Subsurface Investigation Summary Report and Remedial Plan* (March 2021) for the above referenced site, as presented in a letter from NYSDEC dated July 23, 2021. This report, which summarizes the results of the additional on-site soil sampling and off-site perched groundwater sampling completed in August – December 2020, has been revised in accordance with the State's comments. Note that the remedial plan components of the March 2021 report have been removed and the text "and Remedial Plan" has been deleted from the title as required by NYSDEC's July 23, 2021 letter. Walden is submitting the attached *Additional Pre-Design Subsurface Investigation Summary Report* on behalf of the property owner and BCP Volunteer, 218 Lakeville Aquisition LLC.

Walden's revisions in response to the State's comments are detailed below, in the same order presented in NYSDEC's July 23, 2021 letter.

- **Section 3.3 Data Usability Summary Report**: *"The DUSR should be attached to this report. Please revise."*

  Response: The DUSR is provided as Appendix D of the attached report.

- **Section 4.2 Recommendations (1st bullet):** *"The limits of remedial investigation should be based on endpoint sampling that confirms soils meet applicable SCOs (to the extent practicable). Residual contamination left on-site will be documented accordingly. Please revise."*

    - **Response:** The first bullet under Section 4.2 has been revised as follows: "Removal of drywell structure DW-1 in the southwestern corner of the Site and excavation to remove impacted soils remaining in this area. The soil removal will be guided based on field observations and screening, and the limits of remedial excavation will be determined based on endpoint sampling that confirms that the soils meet applicable SCOs to the extent practicable. Residual contamination that will remain on-site after the remedial excavation is completed will be documented accordingly."

- **Figure 2 Comment:** *"Please add sampling dates to the data boxes or elsewhere on the figures."*

    Response: Figure 2 has been revised in accordance with this comment.

Please call me if you have any questions.

Very truly yours,
Walden Environmental Engineering, PLLC

Nora M. Brew, P.E.
VP/Senior Project Manager

cc: R. Corcoran, NYSDEC
A. Tamuno, Esq., NYSDEC
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N. Weisfeld, 218 Lakeville Aquisition LLC

Additional Pre-Design Subsurface Investigation Summary Report

at

Former Imperial Cleaners Site
218 Lakeville Road
Lake Success, New York 11042
NYSDEC BCP Site #C130225

October 2021

Prepared for:

Mr. Joseph Jones
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WALDEN ENVIRONMENTAL ENGINEERING, PLLC

Industry Leader in Environmental Engineering Consulting

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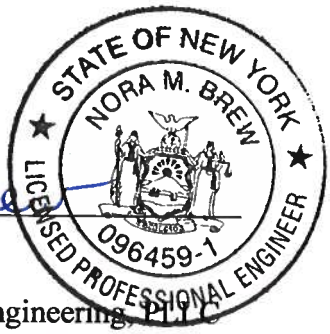
APPENDICES

APPENDIX A Soil Boring Logs & Temporary Monitoring Well Logs
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Professional Engineer Certification

I certify that I am currently a professional engineer licensed to practice in New York State in accordance with New York State Education Law, Article 145, Section 7200 et seq. I have completed accredited university courses and degrees in engineering and have sufficient training and experience in remediation, groundwater hydrology, and related fields that enable me to make sound professional judgments with regards to engineering design.

I further certify that this submittal, *Additional Pre-Design Subsurface Investigation Summary Report*, dated October 5, 2021, was prepared under my direction.



Nora M. Brew

10/5/2021

Nora M. Brew, P.E.
Walden Environmental Engineering, PLLC

Date

1 INTRODUCTION

Walden Environmental Engineering, PLLC (Walden) has prepared this report to summarize the results of the additional on-site soil and off-site groundwater investigation conducted at the Former Imperial Cleaners site located at 218 Lakeville Road, Lake Success, New York (the "Site") in August/September and December 2020. The remedial actions to be completed at the Site are also presented. The Site is currently managed under the New York State Brownfield Cleanup Program (BCP) and is subject to New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Agreement #C130225-01-18. This agreement was fully executed by 218 Lakeville Acquisition LLC, the current Site owner (hereinafter, the "Volunteer") and the NYSDEC on February 12, 2018. Previously, the Site was managed under the NYSDEC Voluntary Cleanup Program (VCP) as site #V-00244-1. The Volunteer became owner of the Site in July 2015.

This investigation was conducted in accordance with the NYSDEC-approved *Additional Pre-Design Subsurface Investigation Work Plan - Revised ("Work Plan"*, Walden, July 27, 2020) to support on-site source removal and the design and implementation of a soil vapor extraction (SVE) system. The NYSDEC-approved *Work Plan* was developed in accordance with the guidelines set forth in NYSDEC *DER-10: Technical Guidance for Site Investigation and Remediation* (May 3, 2010).

A brief Site description and the objectives of this investigation are presented below. Section 2 describes the investigation fieldwork conducted at the Site. Section 3 summarizes the on-site soil and off-site perched groundwater sampling results, and Section 4 presents conclusions and recommendations based on the findings of the investigation.

1.1 Site History and Previous Investigations/Remediation

The Site location is illustrated on **Figure 1**. The Site is a commercial strip with a single-story building with a basement occupying approximately 4,250 square feet, with four (4) current tenants (CCQ Construction Inc., W Brothers Realty, Tobacco Plaza, Ltd. and Real Eyes Optical) as shown on **Figure 2**. Residential properties are located directly west of the Site and commercial parcels adjoin the Site to the north, northwest and south.

The basement of the on-site building has concrete block walls and a poured concrete floor slab. Outside the building footprint, the property is completely asphalt-paved. Sanitary wastewater from the building is discharged to two (2) on-site septic systems (refer to **Figure 2**) as no public sewers are available near the Site; however, the Site is served by public water. A perched water table underlies the Site at approximately 30 feet below grade, with a confining clay layer

approximately 35 to 50 feet below grade; the true groundwater table is located approximately 150 feet below grade. Groundwater flow at the Site varies from west to west-northwest.

A release of tetrachloroethylene (PCE) at the Site was first noted in 1995. The PCE contamination was suspected to originate from floor drains within the tenant space occupied by a dry cleaner (Imperial Cleaners) at that time and from a sanitary leaching pool and drywell on the property that were associated with the former dry cleaner operations. The site investigation and remediation work described below was conducted by the previous owners of the Site, 218 Lakeville Associates LP, as required by NYSDEC under the VCP prior to the Volunteer's ownership and involvement with the Site.

A site investigation was conducted to verify source areas and determine the extent of contaminated soil and groundwater at the Site. Contaminated sediments were removed from the source areas (drywell, interior floor drains and leaching pool associated with the former Imperial Cleaners operations) in 1996 and 2000 to the extent possible without undermining the on-site structures. Post-excavation soil sampling results indicated that volatile organic compounds (VOCs) remained in the subsurface at concentrations above the NYSDEC Technical and Administrative Guidance Memorandum (TAGM) 4046 Recommended Cleanup Objectives. However, no additional materials were removed because it was determined that further excavation would threaten the integrity of the structures. A SVE system was installed to remove VOC vapors remaining in the soil and to improve soil and groundwater quality. The SVE system included eight (8) extraction wells and began operating in 2001. A soil, soil gas, groundwater and indoor air monitoring program was implemented to track the reductions in VOC concentrations achieved by operation of the SVE system.

Site closure sampling (soil, soil vapor and indoor air perc badge sampling) was conducted in November 2007 – January 2008 in accordance with a NYSDEC-approved work plan. The closure sampling results indicated that the SVE system had successfully reduced soil contaminant concentrations to levels below the NYSDEC TAGM 4046 Recommended Cleanup Objectives. Permanent shutdown of the SVE system was recommended based on the 2007-2008 closure sampling results. 218 Lakeville Associates L.P., the previous Site owner, subsequently shut down the SVE system circa 2008 without approval from NYSDEC and the New York State Department of Health (NYSDOH). These activities occurred approximately seven (7) years before the current Owner/Volunteer purchased the Site or had any involvement with the Site.

Representatives from the NYSDEC, the Volunteer and Walden met on-site in September 2015 to evaluate Site conditions and discuss previous sampling investigations, potential redevelopment of the Site and the work required to achieve VCP Site closure. Based on this meeting and subsequent discussions, a soil vapor intrusion (SVI) investigation ensued to evaluate potential

indoor air quality impacts related to SVI and to support development of appropriate Site closure/management recommendations for NYSDEC and NYSDOH review and approval. The SVI sampling was conducted in February 2016 in accordance with the NYSDEC-approved *Soil Vapor Intrusion Investigation Work Plan* (Walden, December 2015) and included the collection of sub-slab soil vapor, indoor air and outdoor (ambient) air samples at the Site and several neighboring properties. The results of this sampling were documented in the May 2017 *Soil Vapor Intrusion Investigation Summary Report*, prepared by Walden and submitted to the NYSDEC. This report indicated that subsurface VOC concentrations at the Site and surrounding area had rebounded since the SVE system was shut down. Remedial action objectives were subsequently developed and presented in the *Remedial Work Plan* (*"RWP"*, Walden, February 2019) to guide the selection of an appropriate remedial alternative for the Site and to support future development of Site closure/management plans.

In accordance with the NYSDEC-approved 2019 *RWP*, a subsequent SVI investigation was performed in April 2019 to confirm the February 2016 SVI sampling results at the Site and the adjacent property to the south, 220 Lakeville Road, and to evaluate the potential for vapor migration and intrusion at additional off-site properties not included in the February 2016 investigation. The April 2019 investigation included the collection of sub-slab soil vapor, indoor air and outdoor air samples at the Site, 220 Lakeville Road and one (1) additional off-site residential property to the west (5 University Place). Sampling was performed in accordance with the procedures described in the NYSDEC- and NYSDOH-approved *Soil Vapor Intrusion Investigation Work Plan* (Walden, December 2015). The results were documented in the July 2019 *Soil Vapor Intrusion Investigation Summary Report* (revised September 2021), prepared by Walden and submitted to the NYSDEC which indicated that subsurface vapors contain elevated concentrations of VOCs (mainly PCE and breakdown products trichloroethylene [TCE] and cis-1,2-dichloroethylene [cis-1,2-DCE]) attributable to historic releases at the Former Imperial Cleaners Site. In addition, the indoor air sample collected at 5 University Place contained an elevated concentration of methylene chloride, a VOC attributable to household products and unrelated to the Site.

A pre-design subsurface investigation performed at the Site in May 2019 included the advancement of fourteen (14) soil borings (GB-1 through GB-14), conversion of seven (7) borings into temporary monitoring wells (TMW-1 through TMW-7), and the collection of twenty-eight (28) soil and seven (7) perched groundwater samples. This investigation was performed to evaluate the nature and extent of residual VOC contamination, to characterize geological conditions at the Site to support the design and implementation of a SVE remediation system, and to identify residual VOC source material to be targeted for excavation. The results were documented in the October 2019 *Pre-Design Subsurface Investigation Summary Report*, prepared by Walden and submitted to the NYSDEC and NYSDOH. Refer to **Figure 3** for a

summary of the PCE and TCE concentrations detected at the on-site soil and groundwater sampling locations.

The reported PCE concentration in the sample collected from boring GB-6, located in the southwestern corner of the Site immediately downgradient of stormwater drywell DW-1 at the suspected invert of this drainage structure (14.5-15.5 feet below grade), exceeded the NYSDEC Soil Cleanup Objective (SCO) for Protection of Groundwater, suggesting that contaminant source material is present in and around this drywell structure. PCE was detected at concentrations exceeding the NYSDEC Class GA Ambient Water Quality Standard of 5 micrograms per liter (µg/L) in all temporary on-site monitoring wells with the exception of TMW-7.

1.2 September 2020 Soil and Groundwater Sampling Objectives

Remedial action alternatives for the Site were evaluated and presented in the February 2019 *RWP*. The selected remedial strategy for the Site entails the design and installation of an on-site SVE system to reduce the residual VOC mass and prevent off-site vapor migration by removing contaminated vapors in the subsurface, with excavation of residual source material as appropriate.

A July 2020 Pre-design Investigation *Work Plan*, approved by NYSDEC and NYSDOH on August 19, 2020, detailed the scope of an additional pre-design subsurface investigation which was performed in August/September and December 2020. The objectives of the additional pre-design investigation were as follows:

- To focus excavation of residual VOC source material by delineating the extent of VOC impacted soil in the suspected source areas in the vicinity of DW-1 and beneath the former Imperial Cleaners space;
- To support the design and implementation of the SVE system at the Site by identifying geological factors which may affect the radius of influence and screened intervals of SVE wells in the unsaturated zone; and
- To evaluate off-site perched groundwater quality.

Fieldwork included the advancement of on-site soil borings to characterize soils in suspected areas of residual contamination and the installation and sampling of temporary monitoring wells located along University Drive, downgradient (west to west-northwest) of the Site, to evaluate off-site perched groundwater quality. The results of the investigation are detailed herein and, in conjunction with data from previous investigations, will be utilized to identify and constrain on-site source areas for excavation and to support SVE system design.

2 SUBSURFACE INVESTIGATION FIELDWORK

The additional pre-design soil and groundwater investigation began on August 31, 2020. Lakewood Environmental Services, Inc. (Lakewood) of Smithtown, NY was retained to perform drilling activities and temporary well installations while Walden performed field oversight and sampling activities. Refer to **Figure 2** for the sampling locations, which were chosen in accordance with the NYSDEC-approved *Work Plan.* Based on historic Site use and the May 2019 pre-design investigation sampling results (see **Figure 3**), the on-site soil sampling locations were biased towards the on-site building space and drywell DW-1 in the rear parking lot associated with the former dry-cleaning operations. Groundwater samples were collected from temporary monitoring wells installed downgradient of the Site at locations directed by NYSDEC/NYSDOH to evaluate off-site perched groundwater conditions.

2.1 Soil Investigation

Based on the presence of an elevated PCE concentration in soil immediately downgradient of drywell DW-1 in the southwestern corner of the Site (as detected in boring GB-6 during the May 2019 investigation), removal of this structure and remedial excavation of impacted soils in this area was recommended. In order focus the scope of source removal, additional soil borings (GB-15A through GB-15D; GB-16A and GB-16B) were advanced in the vicinity of DW-1.

Soil vapor intrusion (SVI) investigations previously performed at the Site detected the presence of elevated concentrations of chlorinated VOC vapors beneath the building slab. During the May 2019 subsurface investigation, no VOCs were detected above laboratory reporting limits in soil samples collected from boring GB-7, situated immediately west of the former Imperial Cleaners tenant space. Furthermore, it is possible that the soil impacts detected in the DW-1 area in the southwestern portion of the Site may not represent the source of the elevated sub-slab VOC vapor concentrations based on their nature and distance from the building. Therefore, four (4) borings (GB-17 through GB-20) were cored through the concrete slab floor in the basement of the former Imperial Cleaners space where historical discharges of dry-cleaning solvents have been suspected to evaluate the potential presence of additional source material beneath the building. The on-site soil sampling locations are depicted on **Figure 2**. The fieldwork and sampling activities are described in further detail below.

2.1.1 Soil Borings in Vicinity of Drywell DW-1

On August 31, 2020, six (6) soil borings (GB-15A through GB-15D; GB-16A and GB-16B) were advanced utilizing a direct-push drill rig (Geoprobe® 6610DT) in the vicinity of drywell DW-1, from the ground surface to a depth of approximately 28-30 feet bg (just above the perched

groundwater interface) to better delineate the lateral and vertical extent of soil impacts in this area.

Continuous soil samples were collected via five (5) foot Macrocores from the surface to the terminus of each boring (28-30 feet bg) at locations GB-15A through GB-15D and GB-16A and GB-16B. The soil cores were inspected and any visual or olfactory evidence of contamination was noted. The soils were logged and field screened utilizing a photoionization detector (PID) which was calibrated according to manufacturers' instructions prior to the commencement of drilling activities.

Sampling proceeded in the direction of elevated PID readings to delineate the extent of impacted soils, and continued laterally and vertically until visual observations and field screening results indicated that clean soil was encountered. These data will be utilized to supplement the May 2019 data to constrain the limits of remedial excavation in this portion of the Site. Delineation immediately downgradient (west-northwest) of DW-1 was not feasible due to the proximity of the western Site boundary; therefore, delineation efforts were focused primarily on the eastern and northeastern sides of DW-1. The GB-15 borings were located north-northeast of DW-1 and the GB-16 borings were located east-northeast of DW-1 as shown on **Figure 2**. Boring logs are provided in **Appendix A** and photographs collected during the fieldwork are provided in **Appendix B**.

The soil lithology generally consisted of medium brown, fine to medium sand with trace amounts of silt and gravel. Solvent odors and elevated PID measurements were detected at varying depths as noted on the boring logs in **Appendix A**; the maximum PID reading detected from a depth greater than 10 ft bg in each boring is shown in the table below. The maximum PID reading amongst all of the borings was detected in GB-15A at a depth of approximately 18 feet bg; solvent odors were also noted in soils from GB-15A from 18 ft bg to the bottom of the borehole.

One (1) soil sample from each boring was retained for laboratory analysis from a depth greater than 10 ft bg based on field screening results (PID readings, visual/olfactory observations) and other factors including proximity to suspected source areas, distinct soil types, and/or depth with respect to the perched groundwater table. The depths of the samples collected for laboratory analysis are noted in the table below.

Soil Boring	Max. PID Reading (ppm) below 10 ft bg	Depth of Max. PID Reading (ft bg)	Depth of Sample Submitted for Lab Analysis (ft bg)
GB-15A	2012	18	18-20
GB-15B	148.3	15	13-15
GB-15C	105.8	11	15-17
GB-15D	43.0	13	12-14
GB-16A	13.1	23	22-24
GB-16B	5.7	13	12-14

Quality assurance/quality control (QA/QC) samples were also collected in accordance with the Quality Assurance Project Plan (QAPP) for the Site, provided as Appendix B of the July 2020 *Work Plan*. All soil samples were containerized in clean, laboratory-provided glassware, labeled, placed in ice-filled coolers and transported via courier under standard Chain-of-Custody protocols to York Analytical Laboratories, Inc. (York) of Richmond Hill, NY, a NYSDOH Environmental Laboratory Approval Program (ELAP) Contract Laboratory Protocol (CLP) laboratory, for analysis of VOCs via U.S. Environmental Protection Agency (USEPA) Method 5035.

2.1.2 Soil Sampling Beneath Building Slab in Former Imperial Cleaners Basement

Floor drain FD-2 in the basement beneath the former Imperial Cleaners space was previously identified as a source of on-site PCE contamination. In 1996, FD-2 was converted into a SVE remediation well with a screened interval of 4-10 feet below grade. On September 1 and 3, 2020, four (4) sub-slab soil borings (GB-17 through GB-20) were advanced using a core drill in the vicinity of floor drain FD-2 to evaluate the potential presence of residual source material in this area. Each boring was located approximately five (5) feet from FD-2 to characterize the soils beneath the slab. See **Figure 2** for the boring locations. While the *Work Plan* called for these sub-slab soil borings to reach a depth of ten (10) feet below the bottom of the slab (to remain consistent with the terminus of the FD-2 SVE well screen), drilling proved difficult due to the presence of tightly compacted material with pebbles/cobbles. Refusal was encountered at depths between 4-6 ft bg at each location.

The soil cores were inspected and no visual or olfactory evidence of contamination was noted. The soils were logged and field screened utilizing a calibrated PID. The maximum PID reading detected in each boring is shown in the table below. One (1) soil sample from each boring was retained for laboratory analysis based on the PID readings. The depths of the samples collected for laboratory analysis are noted in the table below.

Soil Boring	Max. PID Reading (ppm)	Depth of Max. PID Reading (ft bg)	Depth of Sample Submitted for Lab Analysis (ft bg)
GB-17	2.0	5	4-5
GB-18	1.1	3	2-4
GB-19	0.5	2.5	2-4
GB-20	0.5	5	4-6

All soil samples were collected in laboratory-supplied glassware and transported to York Labs via courier under chain-of-custody procedures for analysis of VOCs via USEPA Method 5035.

2.2 Groundwater Investigation

On November 12 and 16, 2020, four (4) off-site temporary wells (PW-1 through PW-4) were installed along University Place as shown on **Figure 2.** Photographs taken during the work are included in **Appendix B**. The asphalt pavement was sawcut and a direct push (Geoprobe 6610 DT) drill rig was used to bore to approximately 20 ft below grade. Split spoons were continuously utilized at each location to characterize the subsurface materials at two (2)-foot intervals in order to determine when the top of the confining clay layer underlying the Site vicinity was reached. The bottom of each temporary well was set approximately two (2) feet above the top of the clay. The temporary wells were constructed of one (1)-inch diameter polyvinylchloride (PVC) with 20-slot PVC screen extending from the bottom of the well to approximately two (2) feet above the observed perched water table and solid one (1)-inch diameter PVC riser pipe to grade. Each temporary well was finished with a J-plug within a five (5)-inch diameter road box with a bolt-down manhole cover. The well construction details are included on the logs provided as **Appendix A.** The new temporary wells remained undisturbed and were allowed to reach equilibrium with the formation for approximately two (2) weeks before groundwater samples were collected.

On December 2, 2020, Walden collected groundwater samples from the new temporary wells. At least three (3) well volumes were purged from each well using a check valve and polyethylene tubing. Two (2) perched groundwater samples were then collected at each location using a disposable microbailer: one (1) sample from the top of the water column (PW-1U, PW-2U, PW-3U and PW-4U, collected from approximately 1 to 2 feet below the top of the perched water table) and one (1) sample from the bottom of the water column (PW-1L, PW-2L, PW-3L and PW-4L).

The perched groundwater samples were placed into single-use sampling glassware provided by the laboratory, packed in ice-filled coolers, and transported to York Labs via courier under

standard Chain-of-Custody protocols. All groundwater samples were analyzed for VOCs via USEPA Method 8260.

3 EVALUATION OF SOIL AND GROUNDWATER INVESTIGATION RESULTS

3.1 Summary of Soil Sampling Results

The laboratory analytical results for the on-site soil samples collected in August/September 2020 are summarized in **Table 1**. The complete laboratory analytical reports are provided in **Appendix C**. PCE and TCE concentrations detected at each boring location are included on **Figure 2**. The results are discussed below.

3.1.1 Soil Samples in Vicinity of Drywell DW-1

The laboratory analytical results for the soil samples collected from soil borings GB-15A through GB-15D and GB-16A and GB-16B were compared to 6 NYCRR/NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for Commercial Site Use and Protection of Groundwater; the SCOs are listed in **Table 1**. Evaluation of the VOC results reported by the laboratory indicated the following:

- No VOCs were detected at concentrations above NYSDEC SCOs in any of the soil samples collected in the vicinity of DW-1.
- Low concentrations of PCE, well below applicable NYSDEC SCOs, were detected in the soil samples collected from borings GB-15A, GB-15B, GB-16A and GB-16B.
- Low concentrations of acetone were also detected in several soil samples. Acetone is a common laboratory solvent and all the reported concentrations were well below applicable NYSDEC SCOs. Therefore, these detections are not considered to present a concern.

Although field observations and PID screening results indicated evidence of potential soil contamination, particularly in boring GB-15A, the VOC concentrations reported by the laboratory do not indicate any exceedances of SCOs in the soil samples collected in the vicinity of DW-1.

3.1.2 Soil Samples Beneath Building Slab in Former Imperial Cleaners Basement

The laboratory analytical data for the sub-slab soil samples collected from GB-17 through GB-20 beneath the former dry-cleaners space were also compared to the 6 NYCRR/NYSDEC Part 375 SCOs for Commercial Site Use and Protection of Groundwater, as listed in **Table 1**. The evaluation of the VOC results reported by the laboratory indicated the following:

- PCE was detected in the samples collected from borings GB-17 and GB-18 at concentrations of 43,000 micrograms per kilogram (µg/kg) and 22,000 µg/kg, respectively. These concentrations exceed the NYSDEC Protection of Groundwater SCO (1,300 µg/kg PCE), indicating that VOC-impacted soils remain beneath the on-site building.
- Low concentrations of TCE and cis-1,2-DCE were also detected in GB-17 and GB-18 at concentrations well below applicable SCOs.
- Low concentrations of acetone were also detected in several soil samples. Acetone is a common laboratory solvent and all the reported concentrations were well below applicable NYSDEC SCOs. Therefore, these detections are not considered to present a concern.

3.2 Summary of Groundwater Sampling Results

The laboratory analytical data for the perched groundwater samples collected from the four (4) off-site temporary monitoring wells (PW-1 through PW-4) are summarized in **Table 2**. The complete laboratory analytical report is provided in **Appendix C**. The analytical results were compared to the NYSDEC Class GA Ambient Water Quality Standards as listed in **Table 2**. Evaluation of the groundwater sample analytical results indicated the following:

- No VOCs were detected at concentrations above the NYSDEC Class GA Ambient Water Quality Standards in the off-site perched groundwater samples.
- Low concentrations of acetone were detected in several groundwater samples. Acetone is a common laboratory solvent; therefore, these detections are not considered to present a concern.

3.3 Data Usability Summary Report (DUSR)

The on-site soil and off-site groundwater data from the additional pre-design subsurface investigation completed in August/September and December 2020 were evaluated in accordance with NYSDEC DER-10 Data Usability Summary Report (DUSR) guidance. The DUSR is attached in **Appendix D**.

4 SUMMARY OF RESULTS AND RECOMMENDATIONS

4.1 Summary of Results

The additional pre-design subsurface investigations were performed at the Site in August/ September and December 2020 to further evaluate on-site soil and off-site groundwater conditions as a follow up to the May 2019 investigation findings. The objectives of the additional pre-design investigations were to identify and constrain on-site soils (residual VOC source material) for potential excavation and to support the design of an on-site SVE system.

Six (6) soil borings (GB-15A through GB-15D; GB-16A and GB-16B) were installed in the vicinity of drywell DW-1 in the rear parking lot near the former Imperial Cleaners tenant space, and four (4) soil borings (GB-17 through GB-20) were advanced through the concrete slab floor in the basement of the former dry-cleaners space. Soil samples were selected for laboratory analysis of VOCs based on field observations, PID screening results, and other factors including proximity to suspected source areas and depth.

- Field observations and elevated PID readings indicated evidence of potential soil contamination in the six (6) soil borings advanced in the vicinity of DW-1, particularly in GB-15A; however, no VOCs were detected at concentrations above NYSDEC SCOs in any of the soil samples collected from these borings.
- PCE was detected in soil samples collected from beneath the basement slab in borings GB-17 and GB-18 at concentrations exceeding the applicable NYSDEC Protection of Groundwater SCO, indicating that VOC-impacted soils remain beneath this portion of the Site building.

Four (4) temporary monitoring wells (PW-1 through PW-4) were installed downgradient of the site on University Drive to evaluate off-site perched groundwater quality. Groundwater samples were collected from the upper and lower portions of the water column in each well and analyzed for VOCs.

- None of the groundwater samples contained VOCs at concentrations above the NYSDEC Class GA Ambient Water Quality Standards, indicating that there are no impacts to the off-site perched groundwater quality.

4.2 Recommendations

Walden recommends the following actions based on the pre-design soil and groundwater investigation results:

- Removal of drywell structure DW-1 in the southwestern corner of the Site and excavation to remove impacted soils remaining in this area. The soil removal will be guided based on field observations and screening, and the limits of remedial excavation will be determined based on endpoint sampling that confirms that the soils meet applicable SCOs to the extent practicable. Residual contamination that will remain on-site after the remedial excavation is completed will be documented accordingly.

- Removal of a limited portion of the slab beneath the former Imperial Cleaners space (in the area of FD-2, GB-17 and GB-18) and excavation of underlying impacted soils where PCE concentrations exceeded applicable SCOs, based on the September 2020 sampling results.

- Design, testing and installation of an on-site remedial system to prevent soil vapor intrusion into the on-site building, achieve contaminant source removal, contain VOCs on-site and prevent off-site VOC vapor migration

- Air monitoring for VOCs and dust in accordance with a Community Air Monitoring Program (CAMP) approved by NYSDEC/NYSDOH will be implemented during all ground intrusive work and activities involving soil disturbance at the Site.

Figure 1

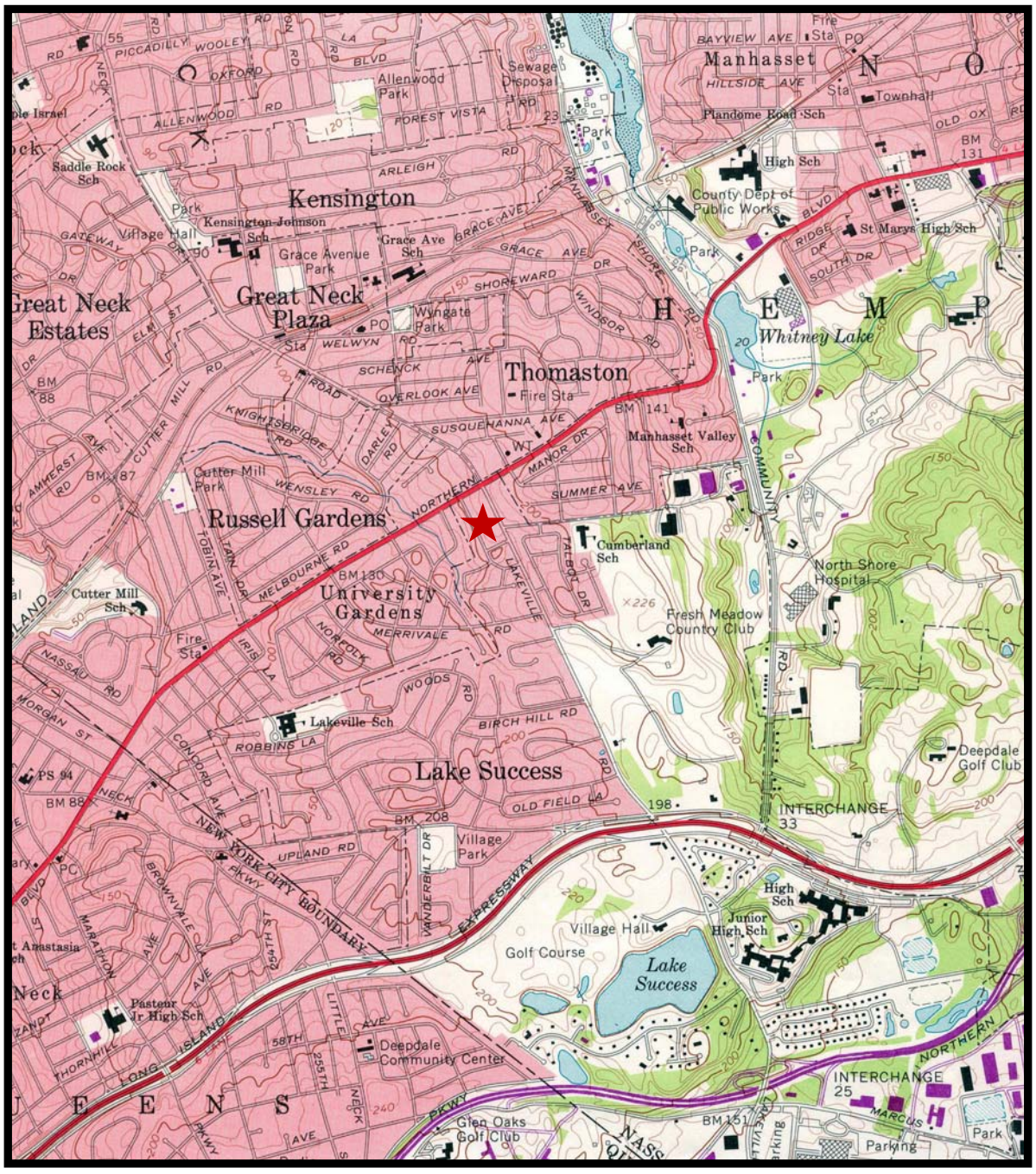
Site Location Map

Former Imperial Cleaners Site
BCP Site #C130225
218 Lakeville Road
Lake Success, New York

FIGURE 1

SITE LOCATION MAP

N



(USGS QUAD Sea Cliff, New York) (Scale 1:24000)

Figure 2

Additional Pre-Design Investigation (2020)

Sampling Locations & Results Summary

LEGEND

- SUBJECT PROPERTY LINE
- DW #1 — STORMWATER DRYWELL
- LP — SANITARY LEACHING POOL
- FD–1 — FLOOR DRAIN
- APPROXIMATE PIPING CONNECTION (SANITARY SYSTEM/STORMWATER/ROOF DRAINAGE)

SOIL/ GROUNDWATER SAMPLE LOCATIONS (APPROXIMATE)

GB-#
X - SOIL BORING (2020)

PW-1 - OFF-SITE GROUND WATER (PERCHED WATER) SAMPLING LOCATION (2020)

- SOIL BORING/TEMPORARY MONITORING WELL GB-1/TMW-1 (2019)

NOTES

1. SITE BASE MAP WAS DERIVED FROM A PROPERTY SURVEY PREPARED BY WELSH ENGINEERING & LAND SURVEYING, P.C., 343 MANVILLE ROAD, PLEASANTVILLE, NY 10570, REVISED ON 7/14/00.

2. THE WELSH ENINGEERING NORTH AREA WAS CORRECTED BASED ON 1999 NASSAU COUNTY GIS BASEMAP.

3. PCE AND TCE CONCENTRATIONS REPORTED BY THE LABORATORY FOR SOIL SAMPLES COLLECTED FROM ON-SITE BORING BORINGS ARE LISTED IN MICROGRAMS PER KILOGRAM (UG/KG). CONCENTRATIONS THAT EXCEED NYSDEC SCOS FOR PROTECTION OF GROUNDWATER ARE INDICATED IN **BOLD**.

4. PCE AND TCE CONCENTRATIONS REPORTED BY THE LABORATORY FOR PERCHED GROUNDWATER SAMPLES COLLECTED FROM THE OFF-SITE TEMPORARY MONITORING WELLS ARE LISTED IN MICROGRAMS PER LITER (UG/L). PERCHED WATER SAMPLES WERE COLLECTED FROM THE TOP OF THE WATER COLUMN ("U" SUFFIX) AND THE BOTTOM OF THE WATER COLUMN ("L" SUFFIX) AT EACH LOCATION.

0' 15' 30' 45' 60'
SCALE: 1" = 30'

PW-4

(PW-4) 12/2/20	GW
PCE	
PW-4U	<0.20
PW-4L	<0.20
TCE	
PW-4U	<0.20
PW-4L	<0.20

PW-3

(PW-3) 12/2/20	GW
PCE	
PW-3U	1.9
PW-3L	2.3
TCE	
PW-3U	<0.20
PW-3L	0.3

PW-2

(PW-2) 12/2/20	GW
PCE	
PW-2U	<0.20
PW-2L	2.6
TCE	
PW-2U	<0.20
PW-2L	0.37

PW-1

(PW-1) 12/2/20	GW
PCE	
PW-1U	1.3
PW-1L	1.38
TCE	
PW-1U	0.36
PW-1L	0.69

GROUNDWATER FLOW DIRECTION (APPROXIMATE)

(GB-15C) 8/31/20	SOIL
PCE	
(15 - 17')	< 1.7
TCE	
(15 - 17')	< 1.7

(GB-15D) 8/31/20	SOIL
PCE	
(12 - 14')	< 1.7
TCE	
(12 - 14')	< 1.7

(GB-15B) 8/31/20	SOIL
PCE	
(13 - 15')	1.6
TCE	
(13 - 15')	< 1.6

(GB-15A) 8/31/20	SOIL
PCE	
(18 - 20')	18
TCE	
(18 - 20')	< 1.5

(GB-16A) 8/31/20	SOIL
PCE	
(22 - 24')	6.6
TCE	
(22 - 24')	< 1.8

(GB-16B) 8/31/20	SOIL
PCE	
(12 - 14')	3.4
TCE	
(12 - 14')	< 1.3

(GB-17) 9/3/20	SOIL
PCE	
(4 - 5')	**43000**
TCE	
(4 - 5')	3.8

(GB-18) 9/3/20	SOIL
PCE	
(2 - 4')	**22000**
TCE	
(2 - 4')	2.0

(GB-19) 9/3/20	SOIL
PCE	
(2 - 4')	46
TCE	
(2 - 4')	< 1.4

(GB-20) 9/3/20	SOIL
PCE	
(4 - 6')	15
TCE	
(4 - 6')	< 1.2

216 LAKEVILLE ROAD
218 LAKEVILLE ROAD
220 LAKEVILLE ROAD
4 UNIVERSITY PLACE
2 UNIVERSITY PLACE
UNIVERSITY PLACE
LAKEVILLE ROAD
CCQ Construction
W Brothers Realty
Tobacco Plaza
Real Eyes Optical (Former Dry Cleaners)
Parking Lot
Parking Lot
BURIED DRAINAGE STRUCTURE
Buried Drainage Structure
Former SVE Shed
Concrete Steps to Basement
CONC. CURB
CONC. CURB
GB-1/TMW-1
GB-2/TMW-2
GB-3/TMW-3
GB-4
GB-5
GB-6/TMW-4
GB-7
GB-8/TMW-5
GB-9/TMW-6
GB-10
GB-11
GB-12/TMW-7
GB-13
GB-14
GB-15A
GB-15B
GB-15C
GB-15D
GB-16A
GB-16B
GB-17
GB-18
GB-19
GB-20
LP1
LP2
LP3
DW #1
DW #2
FD–1
FD–2
APPROX. 24' WIDE

Walden Environmental Engineering

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FORMER IMPERIAL CLEANERS SITE
BCP Site No. C130225
218 Lakeville Road
Lake Success, New York 11020

DRAWING TITLE:
ADDITIONAL PRE-DESIGN INVESTIGATION (2020) SAMPLING LOCATIONS & RESULTS SUMMARY

FIGURE 2

JOB NO: IMPL0115,6 DATE: October 4, 2021

CAD FILE NAME:

Figure 3

May 2019 Pre-Design Investigation Sampling

Locations & Results Summary

LEGEND

- SUBJECT PROPERTY LINE
- DW #1 — STORMWATER DRYWELL
- SANITARY LEACHING POOL
- LP
- FD–1 — FLOOR DRAIN
- APPROXIMATE PIPING CONNECTION (SANITARY SYSTEM/STORMWATER/ROOF DRAINAGE)

2019 SOIL/ GROUNDWATER SAMPLE LOCATIONS (APPROXIMATE)

GB-5 X - SOIL BORING ONLY

(X) - SOIL BORING/TEMPORARY MONITORING WELL GB-1/TMW-1

0 15 30 60 90

SCALE: 1"=30'-0"

NOTES

1. Site base map was derived from a property survey prepared by Welsh Engineering & Land Surveying, P.C., 343 Manville Road, Pleasantville, NY 10570, revised on 7/14/00.

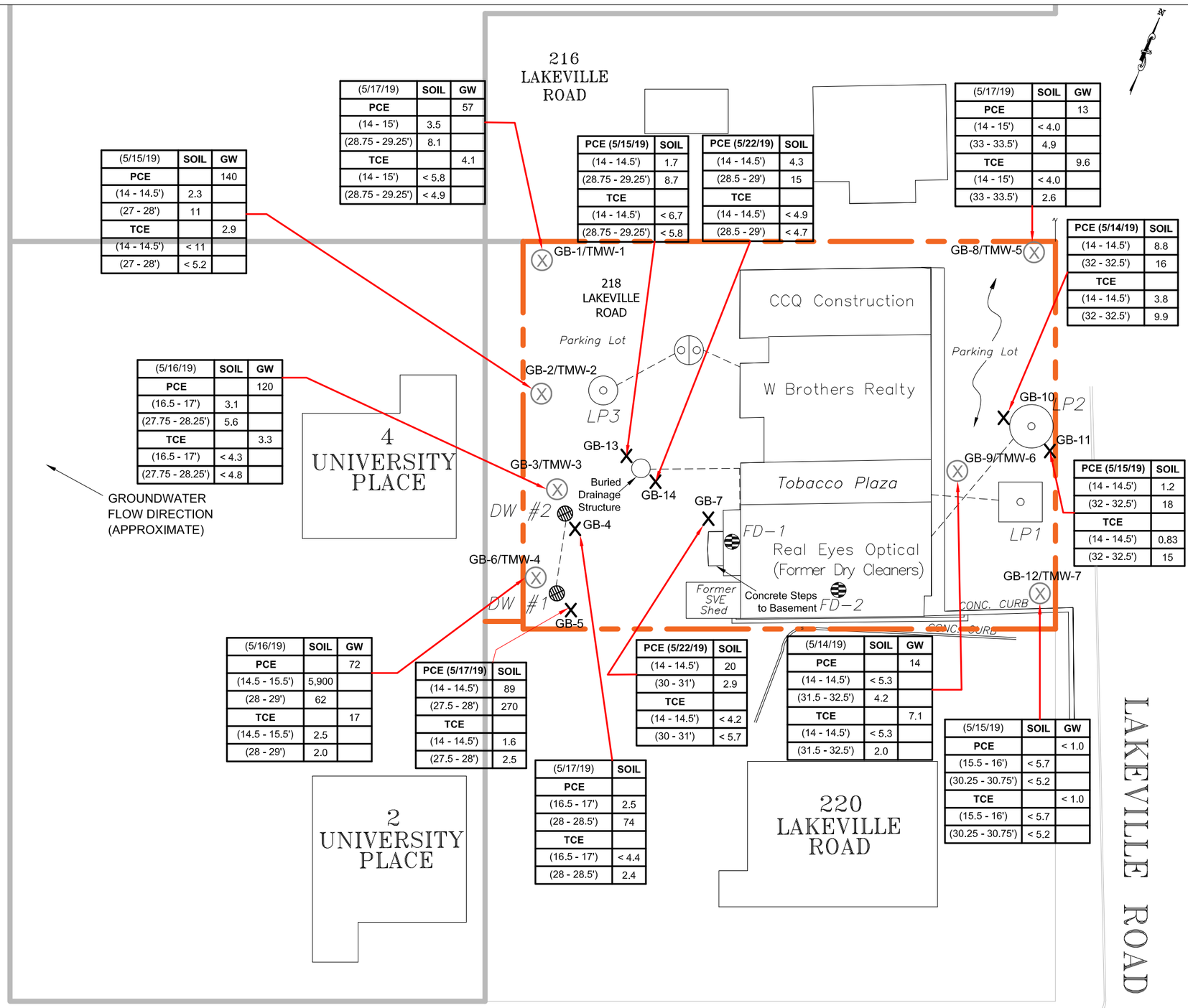
2. The Welsh Eningeering north area was corrected based on 1999 Nassau County GIS basemap.

3. Piezometers were installed at each of the 7 groundwater sampling locations (GB-1, GB-2, GB-3, GB-6, GB-8, GB-9 and GB-12) to allow for groundwater collection and water level measurements.

4. Groundwater samples collected from each of the 7 piezometers were analyzed for VOCs by EPA Method 8260.

5. Groundwater samples collected from GB-1, GB-6, GB-8 and GB-12 were also analyzed for emerging contaminants (PFAS and 1,4 - dioxane).

UNIVERSITY PLACE



(5/15/19)	SOIL	GW
PCE		140
(14 - 14.5')	2.3	
(27 - 28')	11	
TCE		2.9
(14 - 14.5')	< 11	
(27 - 28')	< 5.2	

(5/17/19)	SOIL	GW
PCE		57
(14 - 15')	3.5	
(28.75 - 29.25')	8.1	
TCE		4.1
(14 - 15')	< 5.8	
(28.75 - 29.25')	< 4.9	

PCE (5/15/19)	SOIL
(14 - 14.5')	1.7
(28.75 - 29.25')	8.7
TCE	
(14 - 14.5')	< 6.7
(28.75 - 29.25')	< 5.8

PCE (5/22/19)	SOIL
(14 - 14.5')	4.3
(28.5 - 29')	15
TCE	
(14 - 14.5')	< 4.9
(28.5 - 29')	< 4.7

(5/17/19)	SOIL	GW
PCE		13
(14 - 15')	< 4.0	
(33 - 33.5')	4.9	
TCE		9.6
(14 - 15')	< 4.0	
(33 - 33.5')	2.6	

PCE (5/14/19)	SOIL
(14 - 14.5')	8.8
(32 - 32.5')	16
TCE	
(14 - 14.5')	3.8
(32 - 32.5')	9.9

(5/16/19)	SOIL	GW
PCE		120
(16.5 - 17')	3.1	
(27.75 - 28.25')	5.6	
TCE		3.3
(16.5 - 17')	< 4.3	
(27.75 - 28.25')	< 4.8	

PCE (5/15/19)	SOIL
(14 - 14.5')	1.2
(32 - 32.5')	18
TCE	
(14 - 14.5')	0.83
(32 - 32.5')	15

(5/16/19)	SOIL	GW
PCE		72
(14.5 - 15.5')	5,900	
(28 - 29')	62	
TCE		17
(14.5 - 15.5')	2.5	
(28 - 29')	2.0	

PCE (5/17/19)	SOIL
(14 - 14.5')	89
(27.5 - 28')	270
TCE	
(14 - 14.5')	1.6
(27.5 - 28')	2.5

(5/17/19)	SOIL
PCE	
(16.5 - 17')	2.5
(28 - 28.5')	74
TCE	
(16.5 - 17')	< 4.4
(28 - 28.5')	2.4

PCE (5/22/19)	SOIL
(14 - 14.5')	20
(30 - 31')	2.9
TCE	
(14 - 14.5')	< 4.2
(30 - 31')	< 5.7

(5/14/19)	SOIL	GW
PCE		14
(14 - 14.5')	< 5.3	
(31.5 - 32.5')	4.2	
TCE		7.1
(14 - 14.5')	< 5.3	
(31.5 - 32.5')	2.0	

(5/15/19)	SOIL	GW
PCE		< 1.0
(15.5 - 16')	< 5.7	
(30.25 - 30.75')	< 5.2	
TCE		< 1.0
(15.5 - 16')	< 5.7	
(30.25 - 30.75')	< 5.2	

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FORMER IMPERIAL CLEANERS SITE
BCP Site No. C130225
218 Lakeville Road
Lake Success, New York 11020

DRAWING TITLE:
MAY 2019 PRE-DESIGN INVESTIGATION SAMPLING LOCATIONS & RESULTS SUMMARY

FIGURE 3

JOB NO: IMPL0115.6 DATE: October 4, 2021

CAD FILE NAME: Z:\IMPL\0115 (Imperial Cleaners)\IMPL0115.6 - 2019 Pre-Design Investigation\September 2020 Investigation\ACAD\IMPL0115.6 Additional Pre-design Sample Locations (10-4-21) LS.dwg

Table 1

Summary of Soil Analysis
Volatile Organic Compounds (VOCs)

Former Imperial Cleaners Site
218 Lakeville Road, Lake Success, New York

Table 1
Summary of On-Site Soil Analysis - Volatile Organic Compounds (VOCs)
August - September 2020

Chemical Compound	CAS No.	NYSDEC Restricted Use Soil Cleanup Objectives (6 NYCRR Part 375)		On-Site Samples in Drywell DW#1 Area																			
				GB-15A (18'-20')		GB-15B (13'-15')		GB-15C (15'-17')		GB-15D (22'-24')		GB-16A (22'-24')		GB-DUP		GB-16B (12'-14')							
		Commercial Use	Protection of Groundwater	8/31/2020		8/31/2020		8/31/2020		8/31/2020		8/31/2020		8/31/2020		8/31/2020							
				µg/kg	Q	µg/kg	Q	µg/kg	Q	µg/kg	Q	µg/kg	Q	µg/kg	Q	µg/kg	Q						
1,1,1,2-Tetrachloroethane	630-20-6	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,1,1-Trichloroethane	71-55-6	500,000	680	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,1,2,2-Tetrachloroethane	79-34-5	NA	600	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	NA	6,000	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,1,2-Trichloroethane	79-00-5	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,1-Dichloroethane	75-34-3	240,000	270	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,1-Dichloroethylene	75-35-4	500,000	330	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2,3-Trichlorobenzene	87-61-6	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2,3-Trichloropropane	96-18-4	NA	340	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2,4-Trichlorobenzene	120-82-1	NA	3,400	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2,4-Trimethylbenzene	95-63-6	190,000	3,600	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2-Dibromo-3-chloropropane	96-12-8	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2-Dibromoethane	106-93-4	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2-Dichlorobenzene	95-50-1	500,000	1,100	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2-Dichloroethane	107-06-2	30,000	20	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,2-Dichloropropane	78-87-5	NA	700,000*	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,3,5-Trimethylbenzene	108-67-8	190,000	8,400	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,3-Dichlorobenzene	541-73-1	280,000	2,400	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,4-Dichlorobenzene	106-46-7	130,000	1,800	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
1,4-Dioxane	123-91-1	130,000	100	< 30		< 31		< 33		< 35		< 35		< 31		< 27							
2-Butanone	78-93-3	500,000	300	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
2-Hexanone	591-78-6	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
4-Methyl-2-pentanone	108-10-1	NA	1,000	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Acetone	67-64-1	500,000	50	**4.4**	**J**	< 3.1		< 3.3		< 3.5		< 3.5		< 3.1		< 2.7							
Acrolein	107-02-8	NA	NA	< 3.0		< 3.1		< 3.3		< 3.5		< 3.5		< 3.1		< 2.7							
Acrylonitrile	107-13-1	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Benzene	71-43-2	44,000	60	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Bromochloromethane	74-97-5	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Bromodichloromethane	75-27-4	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Bromoform	75-25-2	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Bromomethane	74-83-9	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Carbon disulfide	75-15-0	NA	2,700	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Carbon tetrachloride	56-23-5	22,000	760	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Chlorobenzene	108-90-7	500,000	1,100	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Chloroethane	75-00-3	NA	1,900	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Chloroform	67-66-3	350,000	370	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Chloromethane	74-87-3	NA	-	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
cis-1,2-Dichloroethylene	156-59-2	500,000	250	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
cis-1,3-Dichloropropylene	10061-01-5	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Cyclohexane	110-82-7	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Dibromochloromethane	124-48-1	NA	10,000*	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Dibromomethane	74-95-3	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Dichlorodifluoromethane	75-71-8	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Ethylbenzene	100-41-4	390,000	1,000	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Hexachlorobutadiene	87-68-3	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Isopropylbenzene	98-82-8	NA	2,300	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Methyl acetate	79-20-9	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Methyl tert-butyl ether (MTBE)	1634-04-4	500,000	930	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Methylcyclohexane	108-87-2	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Methylene chloride	75-09-2	500,000	50	< 3.0		< 3.1		< 3.3		< 3.5		< 3.5		< 3.1		< 2.7							
n-Butylbenzene	104-51-8	500,000	12000	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
n-Propylbenzene	103-65-1	500,000	3,900	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
o-Xylene	95-47-6	500,000	1,600	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
p- & m- Xylenes	179601-23-1	500,000	1,600	< 3.0		< 3.1		< 3.3		< 3.5		< 3.5		< 3.1		< 2.7							
p-Isopropyltoluene	99-87-6	NA	10,000	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
sec-Butylbenzene	135-98-8	500,000	11,000	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Styrene	100-42-5	NA	300,000*	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
tert-Butyl alcohol (TBA)	75-65-0	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
tert-Butylbenzene	98-06-6	500,000	5,900	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Tetrachloroethylene	127-18-4	150,000	1,300	**18**		**1.6**	**J**	< 1.7		< 1.7		**6.6**		**4.8**		**3.4**							
Toluene	108-88-3	500,000	700	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
trans-1,2-Dichloroethylene	156-60-5	500,000	190	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
trans-1,3-Dichloropropylene	10061-02-6	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
trans-1,4-dichloro-2-butene	110-57-6	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Trichloroethylene	79-01-6	200,000	470	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Trichlorofluoromethane	75-69-4	NA	NA	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Vinyl Chloride	75-01-4	13,000	20	< 1.5		< 1.6		< 1.7		< 1.7		< 1.8		< 1.5		< 1.3							
Xylenes, Total	1330-20-7	500,000	1,600	< 4.5		< 4.7		< 5.0		< 5.2		< 5.3		< 4.6		< 4.0							

Notes:
CAS - Chemical Abstracts Service
NYSDEC - New York State Department of Environmental Conservation
µg/kg - micrograms per kilogram
Samples were analyzed by U.S. Environmental Protection Agency (EPA) Method 8260C.
Bold - Compound detected at concentration above laboratory method detection limit
Bold/Highlighted - Concentration exceeds applicable NYSDEC Soil Cleanup Objectives (SCOs) for Protection of Groundwater and/or Commercial Use
*NYSDEC SCO for Commercial Use or Protection of Groundwater not established; NYSDEC SCO for Protection of Ecological Resources applied
NA - NYSDEC SCO not established
Q - Laboratory Qualifier
J - Estimated concentration; detected below the Reporting Limit (RL) but greater than or equal to the Method Detection Limit/Limit of Detection (MDL/LOD)
E - Reported value is estimated due to behavior during initial calibration verification or during continuing calibration verification.

Former Imperial Cleaners Site
218 Lakeville Road, Lake Success, New York

Table 1
Summary of On-Site Soil Analysis - Volatile Organic Compounds (VOCs)
August - September 2020

Chemical Compound	CAS No.	NYSDEC Restricted Use Soil Cleanup Objectives (6 NYCRR Part 375)		On-Site Samples Beneath Former Dry Cleaner Building											
				GB-17 (4-5')			GB-18 (2-4')			GB-19 (2-4')			GB-20 (4-6')		
		Commercial Use	Protection of Groundwater	9/3/2020			9/3/2020			9/3/2020			9/3/2020		
				µg/kg		Q	µg/kg		Q	µg/kg		Q	µg/kg		Q
1,1,1,2-Tetrachloroethane	630-20-6	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
1,1,1-Trichloroethane	71-55-6	500,000	680	<	1.4		<	1.6		<	1.4		<	1.2	
1,1,2,2-Tetrachloroethane	79-34-5	NA	600	<	1.4		<	1.6		<	1.4		<	1.2	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	NA	6,000	<	1.4		<	1.6		<	1.4		<	1.2	
1,1,2-Trichloroethane	79-00-5	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
1,1-Dichloroethane	75-34-3	240,000	270	<	1.4		<	1.6		<	1.4		<	1.2	
1,1-Dichloroethylene	75-35-4	500,000	330	<	1.4		<	1.6		<	1.4		<	1.2	
1,2,3-Trichlorobenzene	87-61-6	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
1,2,3-Trichloropropane	96-18-4	NA	340	<	1.4		<	1.6		<	1.4		<	1.2	
1,2,4-Trichlorobenzene	120-82-1	NA	3,400	<	1.4		<	1.6		<	1.4		<	1.2	
1,2,4-Trimethylbenzene	95-63-6	190,000	3,600	<	1.4		<	1.6		<	1.4		<	1.2	
1,2-Dibromo-3-chloropropane	96-12-8	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
1,2-Dibromoethane	106-93-4	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
1,2-Dichlorobenzene	95-50-1	500,000	1,100	<	1.4		<	1.6		<	1.4		<	1.2	
1,2-Dichloroethane	107-06-2	30,000	20	<	1.4		<	1.6		<	1.4		<	1.2	
1,2-Dichloropropane	78-87-5	NA	700,000*	<	1.4		<	1.6		<	1.4		<	1.2	
1,3,5-Trimethylbenzene	108-67-8	190,000	8,400	<	1.4		<	1.6		<	1.4		<	1.2	
1,3-Dichlorobenzene	541-73-1	280,000	2,400	<	1.4		<	1.6		<	1.4		<	1.2	
1,4-Dichlorobenzene	106-46-7	130,000	1,800	<	1.4		<	1.6		<	1.4		<	1.2	
1,4-Dioxane	123-91-1	130,000	100	<	28		<	33		<	28		<	25	
2-Butanone	78-93-3	500,000	300	<	1.4		<	1.6		<	1.4		<	1.2	
2-Hexanone	591-78-6	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
4-Methyl-2-pentanone	108-10-1	NA	1,000	<	1.4		<	1.6		<	1.4		<	1.2	
Acetone	67-64-1	500,000	50		**6.6**	**E**		**3.7**	**E**	<	2.8			**6.6**	**E**
Acrolein	107-02-8	NA	NA	<	2.8		<	3.3		<	2.8		<	2.5	
Acrylonitrile	107-13-1	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Benzene	71-43-2	44,000	60	<	1.4		<	1.6		<	1.4		<	1.2	
Bromochloromethane	74-97-5	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Bromodichloromethane	75-27-4	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Bromoform	75-25-2	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Bromomethane	74-83-9	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Carbon disulfide	75-15-0	NA	2,700	<	1.4		<	1.6		<	1.4		<	1.2	
Carbon tetrachloride	56-23-5	22,000	760	<	1.4		<	1.6		<	1.4		<	1.2	
Chlorobenzene	108-90-7	500,000	1,100	<	1.4		<	1.6		<	1.4		<	1.2	
Chloroethane	75-00-3	NA	1,900	<	1.4		<	1.6		<	1.4		<	1.2	
Chloroform	67-66-3	350,000	370	<	1.4		<	1.6		<	1.4		<	1.2	
Chloromethane	74-87-3	NA	-	<	1.4		<	1.6		<	1.4		<	1.2	
cis-1,2-Dichloroethylene	156-59-2	500,000	250		**10**			**6.4**		<	1.4		<	1.2	
cis-1,3-Dichloropropylene	10061-01-5	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Cyclohexane	110-82-7	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Dibromochloromethane	124-48-1	NA	10,000*	<	1.4		<	1.6		<	1.4		<	1.2	
Dibromomethane	74-95-3	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Dichlorodifluoromethane	75-71-8	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Ethylbenzene	100-41-4	390,000	1,000	<	1.4		<	1.6		<	1.4		<	1.2	
Hexachlorobutadiene	87-68-3	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Isopropylbenzene	98-82-8	NA	2,300	<	1.4		<	1.6		<	1.4		<	1.2	
Methyl acetate	79-20-9	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Methyl tert-butyl ether (MTBE)	1634-04-4	500,000	930	<	1.4		<	1.6		<	1.4		<	1.2	
Methylcyclohexane	108-87-2	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Methylene chloride	75-09-2	500,000	50	<	2.8		<	3.3		<	2.8		<	2.5	
n-Butylbenzene	104-51-8	500,000	12000	<	1.4		<	1.6		<	1.4		<	1.2	
n-Propylbenzene	103-65-1	500,000	3,900	<	1.4		<	1.6		<	1.4		<	1.2	
o-Xylene	95-47-6	500,000	1,600	<	1.4		<	1.6		<	1.4		<	1.2	
p- & m- Xylenes	179601-23-1	500,000	1,600	<	2.8		<	3.3		<	2.8		<	2.5	
p-Isopropyltoluene	99-87-6	NA	10,000	<	1.4		<	1.6		<	1.4		<	1.2	
sec-Butylbenzene	135-98-8	500,000	11,000	<	1.4		<	1.6		<	1.4		<	1.2	
Styrene	100-42-5	NA	300,000*	<	1.4		<	1.6		<	1.4		<	1.2	
tert-Butyl alcohol (TBA)	75-65-0	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
tert-Butylbenzene	98-06-6	500,000	5,900	<	1.4		<	1.6		<	1.4		<	1.2	
Tetrachloroethylene	127-18-4	150,000	1,300		**43,000**			**22,000**			**46**			**15**	
Toluene	108-88-3	500,000	700	<	1.4		<	1.6		<	1.4		<	1.2	
trans-1,2-Dichloroethylene	156-60-5	500,000	190	<	1.4		<	1.6		<	1.4		<	1.2	
trans-1,3-Dichloropropylene	10061-02-6	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
trans-1,4-dichloro-2-butene	110-57-6	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Trichloroethylene	79-01-6	200,000	470		**3.8**			**2.0**	**J**	<	1.4		<	1.2	
Trichlorofluoromethane	75-69-4	NA	NA	<	1.4		<	1.6		<	1.4		<	1.2	
Vinyl Chloride	75-01-4	13,000	20	<	1.4		<	1.6		<	1.4		<	1.2	
Xylenes, Total	1330-20-7	500,000	1,600	<	4.2		<	4.9		<	4.1		<	3.7	

Notes:
CAS - Chemical Abstracts Service
NYSDEC - New York State Department of Environmental Conservation
µg/kg - micrograms per kilogram
Samples were analyzed by U.S. Environmental Protection Agency (EPA) Method 8260C.
Bold - Compound detected at concentration above laboratory method detection limit
Bold/Highlighted - Concentration exceeds applicable NYSDEC Soil Cleanup Objectives (SCOs) for Protection of Groundwater and/or Commercial Use
*NYSDEC SCO for Commercial Use or Protection of Groundwater not established; NYSDEC SCO for Protection of Ecological Resources applied
NA - NYSDEC SCO not established
Q - Laboratory Qualifier
J - Estimated concentration; detected below the Reporting Limit (RL) but greater than or equal to the Method Detection Limit/Limit of Detection (MDL/LOD)
E - Reported value is estimated due to behavior during initial calibration verification or during continuing calibration verification.

Table 2

Summary of Groundwater Analysis
Volatile Organic Compounds (VOCs)

Former Imperial Cleaners Site
218 Lakeville Road, Lake Success, New York

Table 2
Summary of Off-Site Perched Groundwater Analysis - Volatile Organic Compounds (VOCs)
December 2020

Chemical Compound	CAS No.	NYSDEC Class GA Groundwater Standards	PW-1-L		PW-1-U		PW-2-L		PW-2-U	
			12/2/2020		12/2/2020		12/2/2020		12/2/2020	
		µg/L	µg/L	Q	µg/L	Q	µg/L	Q	µg/L	Q
1,1,1,2-Tetrachloroethane	630-20-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1,1-Trichloroethane	71-55-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1,2,2-Tetrachloroethane	79-34-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	**0.39**	**J**	< 0.20		< 0.20		< 0.20	
1,1,2-Trichloroethane	79-00-5	1	< 0.20		< 0.20		< 0.20		< 0.20	
1,1-Dichloroethane	75-34-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1-Dichloroethylene	75-35-4	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,2,3-Trichlorobenzene	87-61-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,2,3-Trichloropropane	96-18-4	0.04	< 0.20		< 0.20		< 0.20		< 0.20	
1,2,4-Trichlorobenzene	120-82-1	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,2,4-Trimethylbenzene	95-63-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dibromoethane	106-93-4	0.0006	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dichlorobenzene	95-50-1	3	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dichloroethane	107-06-2	0.6	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dichloropropane	78-87-5	1	< 0.20		< 0.20		< 0.20		< 0.20	
1,3,5-Trimethylbenzene	108-67-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,3-Dichlorobenzene	541-73-1	3	< 0.20		< 0.20		< 0.20		< 0.20	
1,4-Dichlorobenzene	106-46-7	3	< 0.20		< 0.20		< 0.20		< 0.20	
1,4-Dioxane	123-91-1	1*	< 40		< 40		< 40		< 40	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	**1.3**	**B**	**1.2**	**B**	**1.0**	**B**	**1.1**	**B**
Methyl Butyl Ketone (2-Hexanone)	591-78-6	50	< 0.20		< 0.20		< 0.20		< 0.20	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	NA	< 0.20		< 0.20		< 0.20		< 0.20	
Acetone	67-64-1	50	< 1.0		< 1.0		< 1.0		< 1.0	
Acrolein	107-02-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
Acrylonitrile	107-13-1	5	< 0.20		< 0.20		< 0.20		< 0.20	
Benzene	71-43-2	1	< 0.20		< 0.20		< 0.20		< 0.20	
Bromochloromethane	74-97-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
Bromodichloromethane	75-27-4	50	< 0.20		< 0.20		< 0.20		< 0.20	
Bromoform	75-25-2	50	< 0.20		< 0.20		< 0.20		< 0.20	
Bromomethane	74-83-9	5	< 0.20		< 0.20		< 0.20		< 0.20	
Carbon disulfide	75-15-0	60	< 0.20		< 0.20		< 0.20		< 0.20	
Carbon Tetrachloride	56-23-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
Chlorobenzene	108-90-7	5	< 0.20		< 0.20		< 0.20		< 0.20	
Chloroethane	75-00-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
Chloroform	67-66-3	7	< 0.20		< 0.20		**0.23**	**J**	**0.27**	**J**
Chloromethane (Methyl Chloride)	74-87-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
cis-1,2-Dichloroethylene	156-59-2	5	**1.0**		**0.57**		**0.57**		**0.35**	**J**
cis-1,3-Dichloropropylene	10061-01-5	0.4	< 0.20		< 0.20		< 0.20		< 0.20	
Cyclohexane	110-82-7	NA	< 0.20		< 0.20		< 0.20		< 0.20	
Dibromochloromethane	124-48-1	50	< 0.20		< 0.20		< 0.20		< 0.20	
Dibromomethane	74-95-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
Dichlorodifluoromethane	75-71-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
Ethyl benzene	100-41-4	5	< 0.20		< 0.20		< 0.20		< 0.20	
Hexachlorobutadiene	87-68-3	0.5	< 0.20		< 0.20		< 0.20		< 0.20	
Isopropylbenzene (Cumene)	98-82-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
Methyl Acetate	79-20-9	NA	< 0.20		< 0.20		< 0.20		< 0.20	
Methyl-tert-Butyl Ether	1634-04-4	10	< 0.20		< 0.20		< 0.20		< 0.20	
Methylcyclohexane	108-87-2	NA	< 0.20		< 0.20		< 0.20		< 0.20	
Methylene Chloride (dichloromethane)	75-09-2	5	< 1.0		< 1.0		< 1.0		< 1.0	
n-Butylbenzene	104-51-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
n-Propylbenzene	103-65-1	5	< 0.20		< 0.20		< 0.20		< 0.20	
o-Xylene	95-47-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
m,p-Xylenes	179601-23-1	10	< 0.50		< 0.50		< 0.50		< 0.50	
4-Isopropyltoluene	99-87-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
sec-Butylbenzene	135-98-8	5	< 0.20		0.20		< 0.20		< 0.20	
Styrene	100-42-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
tert-Butyl alcohol	75-65-0	NA	< 0.50		< 0.50		< 0.50		< 0.50	
tert-Butylbenzene	98-06-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
Tetrachloroethylene	127-18-4	5	**0.38**	**QL02,J**	**1.3**	**QL02**	**2.6**	**QL02**	< 0.20	
Toluene	108-88-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
trans-1,2-Dichloroethylene	156-60-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
trans-1,3-Dichloropropylene	10061-02-6	0.4	< 0.20		< 0.20		< 0.20		< 0.20	
trans-1,4-dichloro-2-butene	110-57-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
Trichloroethylene	79-01-6	5	**0.69**		**0.36**	**J**	**0.37**	**J**	< 0.20	
Trichlorofluoromethane	75-69-4	5	< 0.20		< 0.20		< 0.20		< 0.20	
Vinyl chloride	75-01-4	2	< 0.20		< 0.20		< 0.20		< 0.20	

Notes:
CAS - Chemical Abstracts Service
NYSDEC - New York State Department of Environmental Conservation
Samples were analyzed via U.S. Environmental Protection Agency (EPA) Method 8260C.
µg/L - micrograms per liter
Bold - Compound detected at concentration above the method detection lim
* - New York State Maximum Contaminant Level
NA - NYSDEC Groundwater Standard or Guidance Value not available
Q - Laboratory Qualifier
J - Estimated concentration; detected below the Reporting Limit (RL) but greater than or equal to the Method Detection Limit/Limit of Detection (MDL/LOD)
B - Analyte is found in the associated batch blank. Methylene chloride and acetone are common lab contaminants.
E - Reported value is estimated due to behavior during initial calibration verification (recovery >30% of expected value) or during continuing calibration verification (>20% Difference for ave
QL02 - Analyte is outside Laboratory Recovery Limits

Former Imperial Cleaners Site
218 Lakeville Road, Lake Success, New York

Table 2
Summary of Off-Site Perched Groundwater Analysis - Volatile Organic Compounds (VOCs)
December 2020

Chemical Compound	CAS No.	NYSDEC Class GA Groundwater Standards	PW-3-L		PW-3-U		PW-4-L		PW-4-U	
			12/2/2020		12/2/2020		12/2/2020		12/2/2020	
		µg/L	µg/L	Q	µg/L	Q	µg/L	Q	µg/L	Q
1,1,1,2-Tetrachloroethane	630-20-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1,1-Trichloroethane	71-55-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1,2,2-Tetrachloroethane	79-34-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	76-13-1	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1,2-Trichloroethane	79-00-5	1	< 0.20		< 0.20		< 0.20		< 0.20	
1,1-Dichloroethane	75-34-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,1-Dichloroethylene	75-35-4	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,2,3-Trichlorobenzene	87-61-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,2,3-Trichloropropane	96-18-4	0.04	< 0.20		< 0.20		< 0.20		< 0.20	
1,2,4-Trichlorobenzene	120-82-1	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,2,4-Trimethylbenzene	95-63-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dibromo-3-chloropropane	96-12-8	0.04	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dibromoethane	106-93-4	0.0006	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dichlorobenzene	95-50-1	3	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dichloroethane	107-06-2	0.6	< 0.20		< 0.20		< 0.20		< 0.20	
1,2-Dichloropropane	78-87-5	1	< 0.20		< 0.20		< 0.20		< 0.20	
1,3,5-Trimethylbenzene	108-67-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
1,3-Dichlorobenzene	541-73-1	3	< 0.20		< 0.20		< 0.20		< 0.20	
1,4-Dichlorobenzene	106-46-7	3	< 0.20		< 0.20		< 0.20		< 0.20	
1,4-Dioxane	123-91-1	1*	< 40		< 40		< 40		< 40	
Methyl Ethyl Ketone (2-Butanone)	78-93-3	50	**1.2**	**B**	< 0.20		< 0.20		< 0.20	
Methyl Butyl Ketone (2-Hexanone)	591-78-6	50	< 0.20		< 0.20		< 0.20		< 0.20	
Methyl Isobutyl Ketone (4-methyl-2-pentanone)	108-10-1	NA	< 0.20		< 0.20		< 0.20		< 0.20	
Acetone	67-64-1	50	< 1.0		< 1.0		< 1.0		< 1.0	
Acrolein	107-02-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
Acrylonitrile	107-13-1	5	< 0.20		< 0.20		< 0.20		< 0.20	
Benzene	71-43-2	1	< 0.20		< 0.20		< 0.20		< 0.20	
Bromochloromethane	74-97-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
Bromodichloromethane	75-27-4	50	< 0.20		< 0.20		< 0.20		< 0.20	
Bromoform	75-25-2	50	< 0.20		< 0.20		< 0.20		< 0.20	
Bromomethane	74-83-9	5	< 0.20		< 0.20		< 0.20		< 0.20	
Carbon disulfide	75-15-0	60	< 0.20		< 0.20		< 0.20		< 0.20	
Carbon Tetrachloride	56-23-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
Chlorobenzene	108-90-7	5	< 0.20		< 0.20		< 0.20		< 0.20	
Chloroethane	75-00-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
Chloroform	67-66-3	7	**1.1**		**1.5**	**E**	< 0.20		< 0.20	
Chloromethane (Methyl Chloride)	74-87-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
cis-1,2-Dichloroethylene	156-59-2	5	**0.32**	**J**	< 0.20		< 0.20		< 0.20	
cis-1,3-Dichloropropylene	10061-01-5	0.4	< 0.20		< 0.20		< 0.20		< 0.20	
Cyclohexane	110-82-7	NA	< 0.20		< 0.20		< 0.20		< 0.20	
Dibromochloromethane	124-48-1	50	< 0.20		< 0.20		< 0.20		< 0.20	
Dibromomethane	74-95-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
Dichlorodifluoromethane	75-71-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
Ethyl benzene	100-41-4	5	< 0.20		< 0.20		< 0.20		< 0.20	
Hexachlorobutadiene	87-68-3	0.5	< 0.20		< 0.20		< 0.20		< 0.20	
Isopropylbenzene (Cumene)	98-82-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
Methyl Acetate	79-20-9	NA	< 0.20		< 0.20		< 0.20		< 0.20	
Methyl-tert-Butyl Ether	1634-04-4	10	< 0.20		< 0.20		< 0.20		< 0.20	
Methylcyclohexane	108-87-2	NA	< 0.20		< 0.20		< 0.20		< 0.20	
Methylene Chloride (dichloromethane)	75-09-2	5	< 1.0		< 1.0		< 1.0		< 1.0	
n-Butylbenzene	104-51-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
n-Propylbenzene	103-65-1	5	< 0.20		< 0.20		< 0.20		< 0.20	
o-Xylene	95-47-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
m,p-Xylenes	179601-23-1	10	< 0.50		< 0.50		< 0.50		< 0.50	
4-Isopropyltoluene	99-87-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
sec-Butylbenzene	135-98-8	5	< 0.20		< 0.20		< 0.20		< 0.20	
Styrene	100-42-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
tert-Butyl alcohol	75-65-0	NA	< 0.50		< 0.50		< 0.50		< 0.50	
tert-Butylbenzene	98-06-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
Tetrachloroethylene	127-18-4	5	**2.3**	**QL02**	**1.9**		< 0.20		< 0.20	
Toluene	108-88-3	5	< 0.20		< 0.20		< 0.20		< 0.20	
trans-1,2-Dichloroethylene	156-60-5	5	< 0.20		< 0.20		< 0.20		< 0.20	
trans-1,3-Dichloropropylene	10061-02-6	0.4	< 0.20		< 0.20		< 0.20		< 0.20	
trans-1,4-dichloro-2-butene	110-57-6	5	< 0.20		< 0.20		< 0.20		< 0.20	
Trichloroethylene	79-01-6	5	**0.30**	**J**	< 0.20		< 0.20		< 0.20	
Trichlorofluoromethane	75-69-4	5	< 0.20		< 0.20		< 0.20		< 0.20	
Vinyl chloride	75-01-4	2	< 0.20		< 0.20		< 0.20		< 0.20	

Notes:
CAS - Chemical Abstracts Service
NYSDEC - New York State Department of Environmental Conservation
Samples were analyzed via U.S. Environmental Protection Agency (EPA) Method 8260C.
µg/L - micrograms per liter
Bold - Compound detected at concentration above the method detection lim
* - New York State Maximum Contaminant Level
NA - NYSDEC Groundwater Standard or Guidance Value not available
Q - Laboratory Qualifier
J - Estimated concentration; detected below the Reporting Limit (RL) but greater than or equal to th
B - Analyte is found in the associated batch blank. Methylene chloride and acetone are common lal
E - Reported value is estimated due to behavior during initial calibration verification (recovery >30rage Rf or >20% Drift for quadratic
QL02 - Analyte is outside Laboratory Recovery Limits

Appendix A

Soil Boring Logs & Temporary Monitoring Well Logs

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 1 OF 2
BORING/WELL I.D.: GB-15A	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED: 8/31/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD: Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER: 2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAl Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY: EMJ		
REMARKS: Begin soil screening and logging at 1 ft bg		

TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL:	SCREEN INTERVAL:
SAND PACK SIZE AND MATERIAL:	SAND PACK INTERVAL:
REF. POINT: Top of Casing	BENTONITE SEAL INTERVAL:
STATIC WATER DEPTH:	DATE:
REMARKS:	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	42	NA	-		-0-	Medium to dark brown, fine grained SAND; no odors or staining; dry
			-		-	
			-		-1-	
			-		-	
			147.9		-2-	
			-		-	
			165.3		-3-	
			-		-	
			97.2		-4-	
			-		-	
			-		-5-	
5-10' bg	41		-		-	Tan - brown, medium grained SAND with pebbles; no odors or staining; dry
			202.7		-6-	
			-		-	
			-		-7-	
			-		-	
			-		-8-	
			-		-	
			-		-9-	
			-		-	
			1535		-10-	
10-15' bg	40		-		-	Tan - brown, medium grained SAND with pebbles; no odors or staining; dry
			382.2		-11-	
			-		-	
			-		-12-	
			-		-	
			-		-13-	
			-		-	
			283.5		-14-	
			-		-	
			218.2		-15-	

Native soil/rock
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: GB-15A	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 8/31/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	45	NA	-		-	
			-		-16-	Tan - brown, medium grained SAND with pebbles;
			-		-	no staining; dry
			-		-17-	
			-		-	
			2012		-18-	Solvent odor observed at 18'
			-		-	
			-		-19-	
			-		-	
			364.0		-20-	
20-25' bg	36		-		-	
			958.1		-21-	Tan - brown, medium grained SAND with pebbles;
			-		-	Solvent odor observed; no staining; dry
			-		-22-	
			-		-	
			320.4		-23-	
			-		-	
			-		-24-	
			-		-	
			233.3		-25-	
25-30' bg			-		-	Tan - brown, medium grained SAND with pebbles;
			285.3		-26-	Solvent odor observed; no staining
			-		-	Moisture encountered at 30' bg.
			-		-27-	
			-		-	
			290.9		-28-	
			-		-	
			-		-29-	
			-		-	
			258.8		-30-	
					-	END OF BORING
					-31-	
					-	
					-32-	
					-	
					-33-	
					-	
					-34-	
					-	
					-35-	

NOTES:

NA - Not applicable

Native soil/rock
Sand/gravel
Silty sand/clay
Depth to Water

N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 1 OF 2
BORING/WELL I.D.: GB-15B	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED: 8/31/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD: Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER: 2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL: Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY: EMJ		
REMARKS: Begin soil screening and logging at 1 ft bg		

TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL:	SCREEN INTERVAL:
SAND PACK SIZE AND MATERIAL:	SAND PACK INTERVAL:
REF. POINT: Top of Casing	BENTONITE SEAL INTERVAL:
STATIC WATER DEPTH:	DATE:
REMARKS:	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	27	NA	-		-0-	
			-		-	Asphalt; Medium to dark brown, fine grained SAND with trace pebbles.
			90.7		-1-	No odor or staining; dry
			-		-	
			-		-2-	
			-		-	
			-		-3-	
			-		-	
			94.3		-4-	
			-		-	
			-		-5-	
5-10' bg	34		-		-	
			100.3		-6-	Medium to dark brown, fine grained SAND with trace pebbles.
			-		-	No odor or staining; dry
			62.8		-7-	
			-		-	
			-		-8-	
			-		-	
			-		-9-	
			-		-	
			168.8		-10-	
10-15' bg	41		-		-	
			135.7		-11-	Medium to dark brown, fine grained SAND with trace pebbles.
			-		-	No odor or staining; dry
			-		-12-	
			-		-	
			93.7		-13-	
			-		-	
			-		-14-	
			-		-	
			148.3		-15-	

Native soil/rock
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: GB-15B	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 8/31/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	40		-		-	
			50.7		-16-	Medium to dark brown, fine grained SAND with trace pebbles.
			-		-	No odor or staining; dry
			-		-17-	
			-		-	
			-		-18-	
			-		-	
			32.4		-19-	
			-		-	
			50.6		-20-	
20-25' bg	25	NA	-		-	
			18.9		-21-	Medium to dark brown, fine grained SAND with trace pebbles.
			-		-	No odor or staining; dry
			-		-22-	
			-		-	
			95.8		-23-	
			-		-	
			-		-24-	
			-		-	
			68.1		-25-	
25-30' bg			-		-	
			-		-26-	Medium to dark brown, fine grained SAND with trace pebbles.
			-		-	No odor or staining
			66.7		-27-	Moisture Encountered at 30' bg
			-		-	
			-		-28-	
			-		-	
			61.7		-29-	
			-		-	
			-	▼	-30-	
30-35' bg					-	END OF BORING
					-31-	
					-	
					-32-	
					-	
					-33-	
					-	
					-34-	
					-	
					-35-	

NOTES:

NA - Not applicable

Native soil/rock
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 1 OF 2
BORING/WELL I.D.: GB-15C	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED: 8/31/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD: Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER: 2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL: Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY: EMJ		
REMARKS: Begin soil screening and logging at 1 ft bg		

TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL:	SCREEN INTERVAL:
SAND PACK SIZE AND MATERIAL:	SAND PACK INTERVAL:
REF. POINT: Top of Casing	BENTONITE SEAL INTERVAL:
STATIC WATER DEPTH:	DATE:
REMARKS:	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

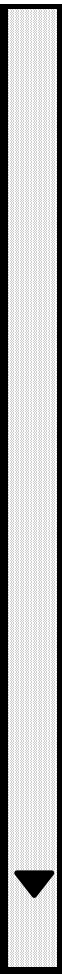
SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	26	NA	-		-0-	
			-		-	Ashpalt
			33.9		-1-	Medium to dark brown, fine-medium SAND with trace pebbles; dry; no
			-		-	odors or staining
			-		-2-	
			-		-	
			84.7		-3-	
			-		-	
			-		-4-	
			-		-	
			69.1		-5-	
5-10' bg	25		-		-	
			110.1		-6-	Medium to dark brown, fine-medium SAND with trace pebbles; dry; no
			-		-	odors or staining
			-		-7-	
			-		-	
			139.3		-8-	
			-		-	
			-		-9-	
			-		-	
			56.8		-10-	
10-15' bg	30		-		-	
			105.8		-11-	Medium to dark brown, fine-medium SAND with trace pebbles; dry; no
			-		-	odors or staining
			-		-12-	
			-		-	
			94.0		-13-	
			-		-	
			-		-14-	
			-		-	
			33.4		-15-	

Native soil/rock
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: GB-15C	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 8/31/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	35	NA	- 53.2 - - - 72.5 - - - 100.3		- -16- - -17- - -18- - -19- - -20-	Medium to dark brown, fine-medium SAND with trace pebbles; dry; no odors or staining
20-25' bg	34		- 85.5 - - - 58.9 - - - 80.2		- -21- - -22- - -23- - -24- - -25-	Medium to dark brown, fine-medium SAND with trace pebbles; dry; no odors or staining
25-30' bg			- 49.4 - - - 23.5 - - -		- -26- - -27- - -28- - -29- - -30-	Medium to dark brown, fine-medium SAND with trace pebbles; no odors or staining; Moisture encountered below 29' bgs.
30-35' bg					- -31- - -32- - -33- - -34- - -35-	END OF BORING.

NOTES:

NA - Not applicable



Native soil/rock
Sand/gravel
Silty sand/clay
Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING			SHEET: 1 OF 2
BORING/WELL I.D.:	GB-15D	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED:	8/31/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD:	Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER:	2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL:	Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY:	EMJ		
REMARKS:	Begin soil screening and logging at 1 ft bg		

TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL:	SCREEN INTERVAL:
SAND PACK SIZE AND MATERIAL:	SAND PACK INTERVAL:
REF. POINT:	BENTONITE SEAL INTERVAL:
STATIC WATER DEPTH:	DATE:
REMARKS:	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	40	NA	-		-0-	Asphalt; Medium brown, fine-medium SAND with trace pebbles; no odors or staining; dry
			-		-	
			11.3		-1-	
			-		-	
			-		-2-	
			-		-	
			-		-3-	
			-		-	
			43.5		-4-	
			-		-	
			25.6		-5-	
5-10' bg	38		-		-	Medium brown, fine-medium SAND with trace pebbles; no odors or staining; dry
			20.5		-6-	
			-		-	
			-		-7-	
			-		-	
			91.2		-8-	
			-		-	
			-		-9-	
			-		-	
			16.4		-10-	
10-15' bg	39		-		-	Medium brown, fine-medium SAND with trace pebbles; no odors or staining; dry
			6.9		-11-	
			-		-	
			-		-12-	
			-		-	
			43.0		-13-	
			-		-	
			-		-14-	
			-		-	
			18.9		-15-	

Fill
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: GB-15D	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 8/31/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	40		-		-	Medium brown, fine-medium SAND with trace pebbles; no odors or staining; dry
			-		-16-	
			-		-	
			5.6		-17-	
			-		-	
			1.3		-18-	
			-		-	
			-		-19-	
			-		-	
			2.9		-20-	
20-25' bg	16	NA	-		-	Medium brown, fine-medium SAND with trace pebbles; no odors or staining; dry
			11.3		-21-	
			-		-	
			-		-22-	
			-		-	
			-		-23-	
			-		-	
			-		-24-	
			-		-	
			1.5		-25-	
25-30' bg			-		-	Medium brown, fine-medium SAND with trace pebbles; no odors or staining; Moisture encountered below 29' bgs.
			2.1		-26-	
			-		-	
			7.3		-27-	
			-		-	
			-		-28-	
			-		-	
			1.3	▼	-29-	
			-		-	
			-		-30-	
30-35' bg					-	END OF BORING.
					-31-	
					-	
					-32-	
					-	
					-33-	
					-	
					-34-	
					-	
					-35-	

NOTES:

Fill
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING			SHEET: 1 OF 2
BORING/WELL I.D.:	GB-16A	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED:	8/31/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD:	Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER:	2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL:	Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY:	EMJ		
REMARKS:	Begin soil screening and logging at 1 ft bg		

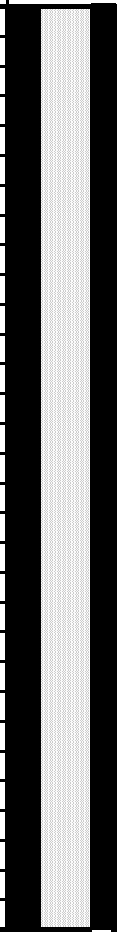
TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL:	SCREEN INTERVAL:
SAND PACK SIZE AND MATERIAL:	SAND PACK INTERVAL:
REF. POINT:	BENTONITE SEAL INTERVAL:
STATIC WATER DEPTH:	DATE:
REMARKS:	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	48	NA	-		-0-	
			-		-	Asphalt
			11.5		-1-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-2-	
			-		-	
			3.7		-3-	
			-		-	
			-		-4-	
			-		-	
			0.5		-5-	
5-10' bg	42		-		-	
			3.6		-6-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-7-	
			-		-	
			4.8		-8-	
			-		-	
			-		-9-	
			-		-	
			5.4		-10-	
10-15' bg	38		-		-	
			1.6		-11-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-12-	
			-		-	
			2.4		-13-	
			-		-	
			-		-14-	
			-		-	
			2.4		-15-	

Fill
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: GB-16A	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 8/31/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	28		-		-	
			2.6		-16-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-17-	
			-		-	
			3.4		-18-	
			-		-	
			-		-19-	
			-		-	
			3.0		-20-	
20-25' bg	21	NA	-		-	
			1.0		-21-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-22-	
			-		-	
			13.1		-23-	
			-		-	
			-		-24-	
			-		-	
			10.3		-25-	
25-30' bg			-		-	
			1.0		-26-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; Moisture encountered below 28' bgs.
			-		-27-	
			-	▼	-	
			4.8		-28-	
			-		-	
			-		-29-	
			-		-	
			0.7		-30-	
30-35' bg					-	END OF BORING.
					-31-	
					-	
					-32-	
					-	
					-33-	
					-	
					-34-	
					-	
					-35-	

NOTES:

Fill
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING			SHEET: 1 OF 2
BORING/WELL I.D.:	GB-16B	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED:	8/31/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD:	Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER:	2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL:	Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY:	EMJ		
REMARKS:	Begin soil screening and logging at 1 ft bg		

TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL:	SCREEN INTERVAL:
SAND PACK SIZE AND MATERIAL:	SAND PACK INTERVAL:
REF. POINT: Top of Casing	BENTONITE SEAL INTERVAL:
STATIC WATER DEPTH:	DATE:
REMARKS:	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	43.5	NA	-		-0-	
			-		-	Asphalt
			5.8		-1-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-2-	
			-		-	
			4.2		-3-	
			-		-	
			-		-4-	
			-		-	
			1.0		-5-	
5-10' bg	41		-		-	
			1.0		-6-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-7-	
			-		-	
			2.7		-8-	
			-		-	
			-		-9-	
			-		-	
			1.9		-10-	
10-15' bg	25		-		-	
			1.0		-11-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-12-	
			-		-	
			5.7		-13-	
			-		-	
			-		-14-	
			-		-	
			2.9		-15-	

Native soil/rock
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: GB-16B	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 8/31/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	7		-		-	
			0.4		-16-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-17-	
			-		-	
			1.4		-18-	
			-		-	
			-		-19-	
			-		-	
			1.0		-20-	
20-25' bg	0	NA	-		-	
			1.4		-21-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; dry
			-		-22-	
			-		-	
			1.9		-23-	
			-		-	
			-		-24-	
			-		-	
			1.0		-25-	
25-30' bg			-		-	
			1.0		-26-	Medium brown, fine-medium SAND with trace pebbles;
			-		-	no odors or staining; Moisture encountered below 28' bgs.
			-		-27-	
			-		-	
			0.2	▼	-28-	
					-	
			-		-29-	
			-		-	
			0.8		-30-	
30-35' bg					-	END OF BORING.
					-31-	
					-	
					-32-	
					-	
					-33-	
					-	
					-34-	
					-	
					-35-	

NOTES:

Native soil/rock
Sand/gravel
Silty sand/clay
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 1 OF 2
BORING/WELL I.D.: PW-1	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED: 11/16/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD: Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER: 2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL: Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY: JKB		
REMARKS: Begin soil screening and logging at 1 ft bg		

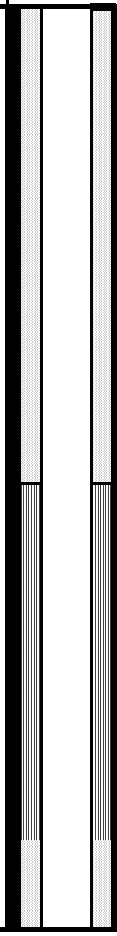
TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL: 1" diameter 20-slot Sch 40 PVC	SCREEN INTERVAL:	16-29' bg (13' length)
SAND PACK SIZE AND MATERIAL: Filbro Superior Quartz	SAND PACK INTERVAL:	14-29' bg
REF. POINT: Top of Casing	BENTONITE SEAL INTERVAL:	8-14' bg
STATIC WATER DEPTH: ~18.3'	DATE: 11/16/20	
REMARKS: 1" diameter Sch 40 PVC riser from 16' bg to grade; finished with J-plug and 5" bolt-down road box in 12"x12" concrete pad.		

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

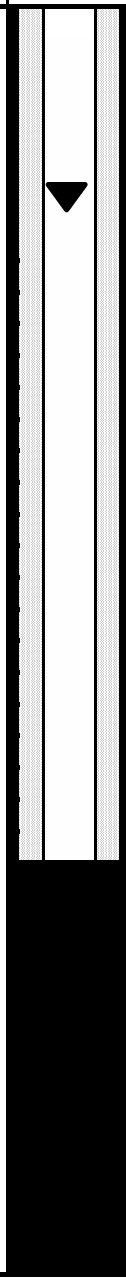
SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	-	NA	NA		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt Medium brown, medium sand; no odor or staining; dry
5-10' bg	-				- -6- - -7- - -8- - -9- - -10-	Medium brown, medium sand; no odor or staining; dry
10-15' bg	-				- -11- - -12- - -13- - -14- - -15-	Medium brown, medium sand; no odor or staining; dry

Native soil/rock
Sand Pack
Bentonite seal
Riser Pipe
Well screen
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: PW-1	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 11/16/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	-	NA	NA		-16- -17- -18- -19- -20-	Medium brown, medium sand; no odor or staining Wet below 18.3' bgs
20-25' bg	-				-21- -22- -23- -24- -25-	Medium brown, medium sand; no odor or staining; wet
25-30' bg	-				-26- -27- -28- -29- -30-	25' - 25.5' bgs: Medium brown, medium sand; no odor or staining; wet 25.5' - 26.75' bgs: Olive-gray clay with trace fine sand and silt 26.75' - 30' bgs: Medium brown, fine sand with silt and clay - Bottom of well at 29' bg -
30-35' bg	-				-31- -32- -33- -34- -35-	30' - 31' bgs: Medium brown, fine sand with silt and clay 31' - 35' bgs: Medium brown clay with trace fine sand and silt. Lens of fine silty sand from ~32.5-33' bg. END OF BORING

NOTES:

Native soil/rock
Sand Pack
Bentonite seal
Riser Pipe
Well screen
Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 1 OF 2
BORING/WELL I.D.: PW-2	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED: 11/16/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD: Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER: 2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL: Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY: JKB		
REMARKS: Begin soil screening and logging at 1 ft bg		

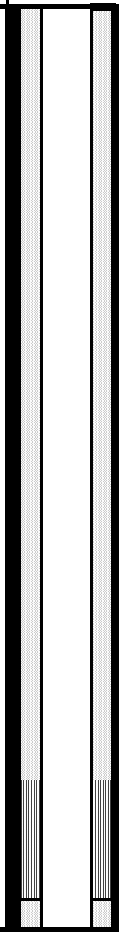
TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL: 1" diameter 20-slot Sch 40 PVC	SCREEN INTERVAL: 16-30.5' bg (14.5' length)
SAND PACK SIZE AND MATERIAL: Filbro Superior Quartz	SAND PACK INTERVAL: 15-30.5' bg
REF. POINT: Top of Casing	BENTONITE SEAL INTERVAL: 13-15' bg
STATIC WATER DEPTH: ~18.5' bg	DATE: 11/16/20
REMARKS: 1" diameter Sch 40 PVC riser from 16' bg to grade; finished with J-plug and 5" bolt-down road box in 12"x12" concrete pad.	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

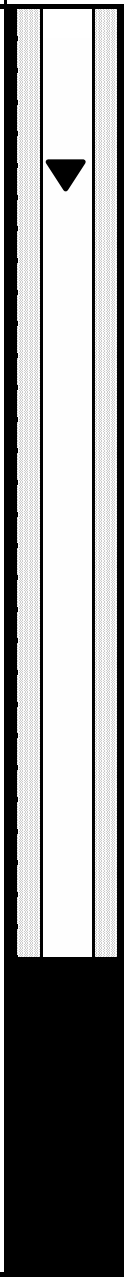
SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	-	NA	NA		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt Medium brown, medium sand; no odor or staining; dry
5-10' bg	-				- -6- - -7- - -8- - -9- - -10-	Medium brown, medium sand; no odor or staining; dry
10-15' bg	-				- -11- - -12- - -13- - -14- - -15-	Medium brown, medium sand; no odor or staining; dry

Native soil/rock
Sand Pack
Bentonite seal
Riser Pipe
Well screen
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: PW-2	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 11/16/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	-	NA	NA		-16- -17- -18- -19- -20-	Medium brown, medium sand; no odor or staining Wet below 18.5' bgs
20-25' bg	-				-21- -22- -23- -24- -25-	Medium brown, medium sand; no odor or staining; wet
25-30' bg	-				-26- -27- -28- -29- -30-	25' - 27' bgs: Medium brown, medium sand; no odor or staining; wet 27' - 29' bgs: Olive-gray clay with little fine sand and silt; no odor or staining 29' - 30' bgs: Medium brown, medium sand; no odor or staining; wet
30-35' bg	-				-31- -32- -33- -34- -35-	30' - 32.5' bgs: Medium brown clay with fine sand and silt; wet; cohesive - Bottom of well at 30.5' bg - 32.5' - 35' bgs: Medium brown clay with trace fine sand and silt; stiff END OF BORING

NOTES:

Native soil/rock
Sand Pack
Bentonite seal
Riser Pipe
Well screen
Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 1 OF 2
BORING/WELL I.D.: PW-3	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED: 11/12/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD: Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER: 2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL: Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY: JKB		
REMARKS: Begin soil screening and logging at 1 ft bg		

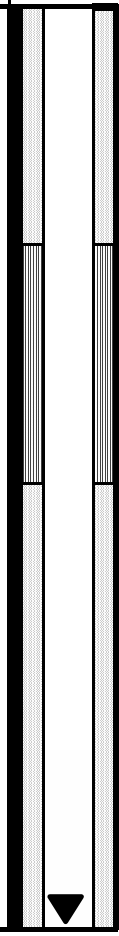
TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL: 1" diameter 20-slot Sch 40 PVC	SCREEN INTERVAL: 12.5-29.5' bg (17' length)
SAND PACK SIZE AND MATERIAL: Filbro Superior Quartz	SAND PACK INTERVAL: 8-29.5' bg
REF. POINT: Top of Casing	BENTONITE SEAL INTERVAL: 4-8' bg
STATIC WATER DEPTH: ~15' bg	DATE: 11/12/20
REMARKS: 1" diameter Sch 40 PVC riser from 12.5' bg to grade; finished with J-plug and 5" bolt-down road box in 12"x12" concrete pad.	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

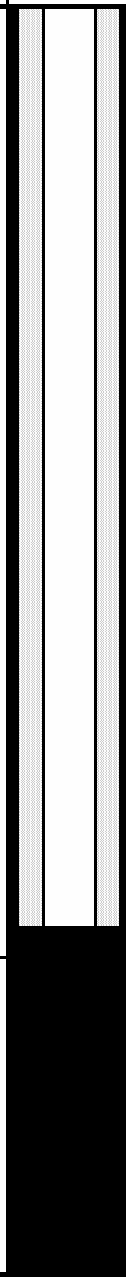
SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	-	NA	NA		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt Medium brown, medium sand; no odor or staining; dry
5-10' bg	-				- -6- - -7- - -8- - -9- - -10-	Medium brown, medium sand; no odor or staining; dry
10-15' bg	-				- -11- - -12- - -13- - -14- - -15-	Medium brown, medium sand; no odor or staining; dry

Native soil/rock
Sand Pack
Bentonite seal
Riser Pipe
Well screen
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: PW-3	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 11/12/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	-	NA	NA		-16- -17- -18- -19- -20-	Medium brown, medium sand; no odor or staining Wet below 15' bgs
20-25' bg	-				-21- -22- -23- -24- -25-	Medium brown, medium sand; no odor or staining; wet
25-30' bg	-				-26- -27- -28- -29- -30-	Medium brown, medium sand; no odor or staining; wet - Bottom of well at 29.5' bg -
30-35' bg	32				-31- -32- -33- -34- -35-	30' - 31.3' bgs: Medium brown, medium sand; no odor or staining; wet 31.3' - 35' bgs: Medium brown clay END OF BORING

NOTES:

Native soil/rock
Sand Pack
Bentonite seal
Riser Pipe
Well screen
Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 1 OF 2
BORING/WELL I.D.: PW-4	CLIENT:	218 Lakeville Acquisition, LLC
DATE(S) DRILLED: 11/12/20	PROJECT NAME:	218 Lakeville Road
DRILL METHOD: Direct push via Geoprobe 6610 DT	PROJECT NO.:	IMPL0115.6
BORING DIAMETER: 2"	PROJECT LOCATION:	Lake Success, NY
SAMPLING METHOD/INTERVAL: Dual-tube; 5' length	DRILLING CONTRACTOR:	Lakewood Environmental Services Corp.
LOGGED BY: JKB		
REMARKS: Begin soil screening and logging at 1 ft bg		

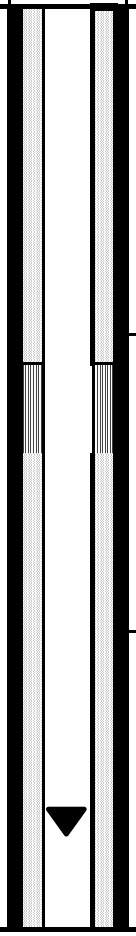
TEMPORARY WELL CONSTRUCTION INFORMATION

SCREEN SIZE AND MATERIAL: 1" diameter 20-slot Sch 40 PVC	SCREEN INTERVAL: 12-22' bg (10' length)
SAND PACK SIZE AND MATERIAL: Filbro Superior Quartz	SAND PACK INTERVAL: 7-22' bg
REF. POINT: Top of Casing	BENTONITE SEAL INTERVAL: 6-7' bg
STATIC WATER DEPTH: ~14' bg	DATE: 11/12/20
REMARKS: 1" diameter Sch 40 PVC riser from 12' bg to grade; finished with J-plug and 5" bolt-down road box in 12"x12" concrete pad.	

WELL/BOREHOLE ABANDONMENT INFORMATION

ABANDONMENT DATE:	ABANDONMENT METHOD:

DESCRIPTIVE LOG

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
0-5' bg	-	N/A	N/A		-0- - -1- - -2- - -3- - -4- - -5-	Asphalt Medium brown, medium sand; no odor or staining; dry
5-10' bg	-				- -6- - -7- - -8- - -9- - -10-	Medium brown, medium sand; no odor or staining; dry
10-15' bg	-				- -11- - -12- - -13- - -14- - -15-	Medium brown, medium sand; no odor or staining; dry Wet below 14' bgs.

Native soil/rock
Sand Pack
Bentonite seal
Riser Pipe
Well screen
▼ Depth to Water
N/A Not Applicable

BORING/WELL LOG

WALDEN ENVIRONMENTAL ENGINEERING		SHEET: 2 OF 2
BORING/WELL I.D.: PW-4	CLIENT/SITE: 218 Lakeville Road	DATE(s) DRILLED: 11/12/20

DESCRIPTIVE LOG (continued)

SAMPLE INTERVAL	SAMPLE REC. (IN.)	BLOWS PER 6"	PID/FID (ppm)	GRAPHIC COLUMN	DEPTH (FT)	DESCRIPTION OF MATERIAL
15-20' bg	-	NA	NA		-16- -17- -18- -19- -20-	Medium brown, medium sand; no odor or staining; wet
20-25' bg	-				-21- -22- -23- -24- -25-	Medium brown, medium sand to 23.5' bgs; no odor or staining; wet - Bottom of well at 22' bg - 23.5' - 24' bgs: Medium brown, fine silty-sand with clay; wet 24' - 25' bgs: Gray clay; uniform; wet
					-26- -27- -28- -29- -30-	END OF BORING
					-31- -32- -33- -34- -35-	

NOTES:

Native soil/rock
Sand Pack
Bentonite seal
Riser Pipe
Well screen
▼ Depth to Water
N/A Not Applicable

Appendix B

Site Photographs

Appendix B – Site Photographs
Additional Pre-Design Subsurface Investigation
218 Lakeville Road
Lake Success, New York



Photo #1 (8/31/2020): Soil boring via direct-push drilling (typical)



Photo #2 (8/31/2020): Field screening of soil borings with PID (typical)



Photo #3 (9/1/2020): Soil boring inside building



Photo #4 (9/1/2020): CAMP air monitoring equipment set up inside building



Photo #5 (9/3/2020): Patched boring location inside building



Photo #6 (11/12/2020): Direct-push drilling at off-site monitoring well location (typical)



Photo #7 (11/12/2020): Contact between sand and clay at off-site monitoring well location PW-4



Photo #8 (11/12/2020): Off-site monitoring well installation on University Place (typical).



Photo #9 (11/12/2020): Installation of bentonite seal during monitoring well installation (typical)



Photo #10 (11/12/2020): Completed monitoring well (typical)

Appendix C

Laboratory Analytical Reports

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Technical Report

prepared for:

Walden Associates
16 Spring Street
Oyster Bay NY, 11771
Attention: Nora Brew

Report Date: 03/14/2021
Client Project ID: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
York Project (SDG) No.: 20H1207

Report Date: 03/14/2021
Client Project ID: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
York Project (SDG) No.: 20H1207

Walden Associates
16 Spring Street
Oyster Bay NY, 11771
Attention: Nora Brew

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on August 31, 2020 and listed below. The project was identified as your project: **IMPL0115.6 218 Lakeville Road New Hyde Park, NY**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20H1207-01	GB-15A (18-20)	Soil	08/31/2020	08/31/2020
20H1207-02	GB-15B (13-15)	Soil	08/31/2020	08/31/2020
20H1207-03	GB-15C (15-17)	Soil	08/31/2020	08/31/2020
20H1207-04	GB-15D (12-14)	Soil	08/31/2020	08/31/2020
20H1207-05	GB-16A (22-24)	Soil	08/31/2020	08/31/2020
20H1207-06	GB-DUP	Soil	08/31/2020	08/31/2020

General Notes for York Project (SDG) No.: 20H1207

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 03/14/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GB-15A (18-20) **York Sample ID:** 20H1207-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:25 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	30	61	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15A (18-20)

York Sample ID: 20H1207-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:25 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**4.4**	J	ug/kg dry	3.0	6.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15A (18-20)

York Sample ID: 20H1207-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:25 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.0	6.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**18**		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.5	3.0	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.5	9.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:27	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*109 %*	*76-130*

Sample Information

Client Sample ID: GB-15A (18-20) **York Sample ID:** 20H1207-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:25 pm	08/31/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	98.0		%	0.100	1	SM 2540G	09/01/2020 08:06	09/01/2020 16:31	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: GB-15B (13-15) **York Sample ID:** 20H1207-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:15 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15B (13-15) **York Sample ID:** 20H1207-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:15 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	31	62	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/kg dry	3.1	6.2	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	3.1	6.2	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15B (13-15) **York Sample ID:** 20H1207-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:15 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	3.1	6.2	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.1	6.2	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**1.6**	J	ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15B (13-15) **York Sample ID:** 20H1207-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:15 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.6	3.1	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.7	9.4	1	EPA 8260C	09/02/2020 06:55	09/03/2020 12:53	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.3 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.2 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**97.2**		%	0.100	1	SM 2540G	09/01/2020 08:06	09/01/2020 16:31	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: GB-15C (15-17) **York Sample ID:** 20H1207-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:05 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15C (15-17) **York Sample ID:** 20H1207-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:05 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	33	66	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15C (15-17) **York Sample ID:** 20H1207-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:05 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			

Sample Information

Client Sample ID: GB-15C (15-17) **York Sample ID:** 20H1207-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:05 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.3	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.0	9.9	1	EPA 8260C	09/02/2020 06:55	09/03/2020 13:19	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.9 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**95.0**		%	0.100	1	SM 2540G	09/01/2020 08:08	09/01/2020 16:37	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: GB-15D (12-14) **York Sample ID:** 20H1207-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:00 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	35	69	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15D (12-14) **York Sample ID:** 20H1207-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:00 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/kg dry	3.5	6.9	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	3.5	6.9	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-15D (12-14) **York Sample ID:** 20H1207-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:00 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	3.5	6.9	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.5	6.9	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.7	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.2	10	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:10	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.5 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.4 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*76-130*

Sample Information

Client Sample ID: GB-15D (12-14) **York Sample ID:** 20H1207-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 1:00 pm	08/31/2020

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	95.2		%	0.100	1	SM 2540G	09/01/2020 08:08	09/01/2020 16:37	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: GB-16A (22-24) **York Sample ID:** 20H1207-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 2:20 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-16A (22-24)

York Sample ID: 20H1207-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 2:20 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	35	71	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/kg dry	3.5	7.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	3.5	7.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-16A (22-24)

York Sample ID: 20H1207-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 2:20 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	3.5	7.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.5	7.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**6.6**		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-16A (22-24) **York Sample ID:** 20H1207-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 2:20 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.8	3.5	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	5.3	11	1	EPA 8260C	09/02/2020 06:55	09/04/2020 01:36	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*99.8 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.5 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*103 %*	*76-130*

Total Solids

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**97.7**		%	0.100	1	SM 2540G	09/01/2020 08:08	09/01/2020 16:37	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: GB-DUP **York Sample ID:** 20H1207-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 2:20 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes: **Sample Notes:**

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-DUP

York Sample ID: 20H1207-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 2:20 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	31	61	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-DUP

York Sample ID: 20H1207-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 2:20 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			

Sample Information

Client Sample ID: GB-DUP

York Sample ID: 20H1207-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20H1207	IMPL0115.6 218 Lakeville Road New Hyde Park, NY	Soil	August 31, 2020 2:20 pm	08/31/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.1	6.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**4.8**		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.5	3.1	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.6	9.2	1	EPA 8260C	09/02/2020 06:55	09/04/2020 02:02	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.9 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**97.8**		%	0.100	1	SM 2540G	09/01/2020 08:08	09/01/2020 16:37	SK
						Certifications:	CTDOH			

CASE NARRATIVE

York Project/SDG No.: 20H1207
Client: Walden Associates
Client Project ID: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Prepared for: Nora Brew

Introduction

This Case Narrative applies only to the samples submitted to our laboratory on **08/31/2020 16:15** as detailed on the chain-of-custody form.

The 6 sample(s) were received intact in a custody-sealed cooler(s), unless otherwise noted.
Upon receipt, cooler temperature(s) was determined using a NIST traceable digital infrared thermometer. The cooler temperature was acceptable (≤ 6°C) and documented as:

Cooler	Temp C°
Default Cooler	**2.3**

Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

All preparation and analyses were conducted according to the appropriate EPA methods detailed in the report.

Client Sample Information and Non-Conformances

Laboratory ID	Sample Name	Matrix
20H1207-01	GB-15A (18-20)	Soil
20H1207-02	GB-15B (13-15)	Soil
20H1207-03	GB-15C (15-17)	Soil
20H1207-04	GB-15D (12-14)	Soil
20H1207-05	GB-16A (22-24)	Soil
20H1207-06	GB-DUP	Soil

Any additional Client Sample Non-conformances are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

QC Sample Non-Conformances

Any QC sample Non-conformances (SCV, CCV, BS, BSD, SRM, PS, MS, MSD, DUP) are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

York Project/SDG no.: 20H1207 Statement

We certify that these data are in compliance with SOP requirements both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report and any electronic data deliverables has been authorized by the Laboratory Manager as verified by the signature on this laboratory report.

Approved by: *Ben Gulizia*
Laboratory Director

Date: 3/10/21

York Analytical Laboratories, Inc.

Formulae Used for Sample Calculations

1. **Volatile Organics (Water-ug/L or Soil-ug/Kg)**

Soils/Waters

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%\ solids)}$$

Medium Level Soils

$$Cx = \frac{(Ax)(IS)(VT)(1000)(DF)}{(Ais)(RRF)(VA)(V)(\%\ solids)}$$

2. Semi-Volatiles (Water-ug/L or Soil-ug/Kg)

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

3. Pesticides/PCB, DRO, EPH, CTETPH (Water-ug/L or Soil-ug/Kg)

$$Cx = \frac{(Ax)(VE)(DF)}{(CF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

4. Inorganics (Water or Soil-ug/mL)

$$Cx = \frac{(Conc.)(VE)}{(V)(\%\ solids/100)}$$

WHERE:

Cx = concentration of analyte as ug/L or ug/kg
Ax = Area of the characteristic ion for the compound to be measured, counts
Ais = Area of the characteristic ion for the specific internal standard, counts
IS = Concentration of the internal standard spiking mixture, ng
RRF = Mean relative response factor from the initial calibration
DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF= 1
V = Volume for liquids in mL, weight for soils/solids in grams
VA = volume of MeOH aliquot for medium level soils

VE = final volume of concentrated extract or digestate
VT = volume of MeOH for volatiles medium level soils
CF = calibration factor for external calibration used in GC pest/pcb
Cis = Concentration of the internal standard spiking mixture, ppbv

Case Narrative Non-Conformance Summary

Laboratory:	York Analytical Laboratories, Inc.	Client:	
Project:		Lab Project No:	
Laboratory Sample ID(s)	-01 - -06	Sampling Date(s):	08/31/2020 - 08/31/2020
Review Date(s):	-	Laboratory Reviewer(s):	

QC Sample Nonconformances

Batch ID: BI00143 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00143-BS1	1,1,1,2-Tetrachloroethane - 630-20-6	36 ug/L	LCS	71.6	75-129	Low Bias				
BI00143-BS1	1,2,4-Trimethylbenzene - 95-63-6	41 ug/L	LCS	81.5	84-125	Low Bias				
BI00143-BS1	Bromoform - 75-25-2	34 ug/L	LCS	68.6	80-136	Low Bias				
BI00143-BSD1	Bromoform - 75-25-2	38 ug/L	LCS Dup	76.2	80-136	Low Bias	10.5	30		
BI00143-BSD1	Vinyl Chloride - 75-01-4	66 ug/L	LCS Dup	132	52-130	High Bias	7.67	30		

Batch ID: BI00207 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00207-BS1	1,1,1,2-Tetrachloroethane - 630-20-6	36 ug/L	LCS	72.6	75-129	Low Bias				
BI00207-BS1	Bromoform - 75-25-2	37 ug/L	LCS	74.6	80-136	Low Bias				
BI00207-BSD1	Chloromethane - 74-87-3	66 ug/L	LCS Dup	133	49-132	High Bias	7.59	30		
BI00207-BSD1	Vinyl Chloride - 75-01-4	67 ug/L	LCS Dup	133	52-130	High Bias	6.18	30		

Batch ID: Y0H0722 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0H0722-SCV1	Acetone - 67-64-1	32.7 ug/L	Secondary Cal Check	65.4	70-130	Low Bias				

Batch ID: Y0I0351 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I0351-CCV1	1,1,1,2-Tetrachloroethane - 630-20-6	38.3 ug/L	Calibration Check	76.7	80-120	Low Bias				
Y0I0351-CCV1	Acetone - 67-64-1	36.3 ug/L	Calibration Check	72.7	80-120	Low Bias				
Y0I0351-CCV1	Acrolein - 107-02-8	99.4 ug/L	Calibration Check	199	80-120	High Bias				
Y0I0351-CCV1	Bromoform - 75-25-2	38.1 ug/L	Calibration Check	76.2	80-120	Low Bias				
Y0I0351-CCV1	Carbon disulfide - 75-15-0	22.7 ug/L	Calibration Check	45.4	80-120	Low Bias				
Y0I0351-CCV1	Chloromethane - 74-87-3	63.4 ug/L	Calibration Check	127	80-120	High Bias				
Y0I0351-CCV1	Cyclohexane - 110-82-7	37.7 ug/L	Calibration Check	75.4	80-120	Low Bias				
Y0I0351-CCV1	Dichlorodifluoromethane - 75-71-8	72.0 ug/L	Calibration Check	144	80-120	High Bias				
Y0I0351-CCV1	Methylcyclohexane - 108-87-2	38.3 ug/L	Calibration Check	76.5	80-120	Low Bias				
Y0I0351-CCV1	trans-1,2-Dichloroethylene - 156-60-5	37.2 ug/L	Calibration Check	74.4	80-120	Low Bias				
Y0I0351-CCV1	Vinyl Chloride - 75-01-4	63.5 ug/L	Calibration Check	127	80-120	High Bias				

Batch ID: Y0I0437 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I0437-CCV1	Acetone - 67-64-1	38.8 ug/L	Calibration Check	77.6	80-120	Low Bias				
Y0I0437-CCV1	Bromomethane - 74-83-9	65.8 ug/L	Calibration Check	132	80-120	High Bias				
Y0I0437-CCV1	Carbon disulfide - 75-15-0	23.3 ug/L	Calibration Check	46.6	80-120	Low Bias				
Y0I0437-CCV1	Chloroethane - 75-00-3	60.2 ug/L	Calibration Check	120	80-120	High Bias				
Y0I0437-CCV1	Chloromethane - 74-87-3	69.5 ug/L	Calibration Check	139	80-120	High Bias				
Y0I0437-CCV1	Dichlorodifluoromethane - 75-71-8	72.0 ug/L	Calibration Check	144	80-120	High Bias				
Y0I0437-CCV1	trans-1,2-Dichloroethylene - 156-60-5	40.0 ug/L	Calibration Check	79.9	80-120	Low Bias				
Y0I0437-CCV1	Vinyl Chloride - 75-01-4	69.2 ug/L	Calibration Check	138	80-120	High Bias				

Batch ID: BI00143 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20H1207-04	GB-15D (12-14)
20H1207-05	GB-16A (22-24)
20H1207-06	GB-DUP
BI00143-BLK1	Blank
BI00143-BLK2	Blank
BI00143-BS1	LCS
BI00143-BSD1	LCS Dup

Batch ID: BI00207 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20H1207-01	GB-15A (18-20)
20H1207-02	GB-15B (13-15)
20H1207-03	GB-15C (15-17)
BI00207-BLK1	Blank
BI00207-BS1	LCS
BI00207-BSD1	LCS Dup

No Sample Nonconformances Found

Notes: Other nonconformances, if any, are detailed in the Data Quality Assessment worksheets.

For multiple surrogate analyses such as semi-volatiles, volatiles, etc, single surrogate excursions do not necessarily indicate a bias in the sample. Samples with multiple surrogate excursions may exhibit a bias in the results.

Definitions:
LCS - Laboratory Control Sample
LCS dup - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
BS - Blank Spike also called LCS
BSD - Blank Spike Duplicate also called LCS dup
SRM - Standard Reference Material
DUP - Duplicate

QC DATA QUALIFIERS

LabID	Analysis	Analyte	Qualifier	Definition
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00143-BS1	Volatile Organics, 8260 - Comprehensive	1,2,4-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00143-BS1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00143-BSD1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00143-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00207-BS1	Volatile Organics, 8260 - Comprehensive	1,1,1,2-Tetrachloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00207-BS1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00207-BSD1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

LabID	Analysis	Analyte	Qualifier	Definition
BI00207-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	1,1,1,2-Tetrachloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00143-BS1	Volatile Organics, 8260 - Comprehensive	1,1,1,2-Tetrachloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Bromoform	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0437-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Methylcyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Cyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,2-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0437-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0437-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0437-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0437-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I0437-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0437-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,2-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0351-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Analytical Batch Summary

Batch ID: BI00009 **Preparation Method:** % Solids Prep **Prepared By:** WJM

YORK Sample ID	Client Sample ID	Preparation Date
20H1207-01	GB-15A (18-20)	09/01/20
20H1207-02	GB-15B (13-15)	09/01/20
BI00009-DUP1	Duplicate	09/01/20

Batch ID: BI00011 **Preparation Method:** % Solids Prep **Prepared By:** WJM

YORK Sample ID	Client Sample ID	Preparation Date
20H1207-03	GB-15C (15-17)	09/01/20
20H1207-04	GB-15D (12-14)	09/01/20
20H1207-05	GB-16A (22-24)	09/01/20
20H1207-06	GB-DUP	09/01/20
BI00011-DUP1	Duplicate	09/01/20

Batch ID: BI00143 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
20H1207-04	GB-15D (12-14)	09/02/20
20H1207-05	GB-16A (22-24)	09/02/20
20H1207-06	GB-DUP	09/02/20
BI00143-BLK1	Blank	09/02/20
BI00143-BLK2	Blank	09/02/20
BI00143-BLK3	Blank	09/02/20
BI00143-BLK4	Blank	09/02/20
BI00143-BS1	LCS	09/02/20
BI00143-BSD1	LCS Dup	09/02/20

Batch ID: BI00207 **Preparation Method:** EPA 5035A **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
20H1207-01	GB-15A (18-20)	09/02/20
20H1207-02	GB-15B (13-15)	09/02/20
20H1207-03	GB-15C (15-17)	09/02/20
BI00207-BLK1	Blank	09/02/20
BI00207-BLK2	Blank	09/02/20
BI00207-BLK3	Blank	09/02/20
BI00207-BLK4	Blank	09/02/20
BI00207-BS1	LCS	09/02/20
BI00207-BSD1	LCS Dup	09/02/20

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
Blank (BI00143-BLK1)											
Prepared: 09/02/2020 Analyzed: 09/03/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
Blank (BI00143-BLK1)											Prepared: 09/02/2020 Analyzed: 09/03/2020
Methylcyclohexane	ND	5.0	ug/kg wet								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*43.8*		*ug/L*	*50.0*		*87.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.8*		*"*	*50.0*		*106*	*76-130*				
Blank (BI00143-BLK2)											Prepared: 09/02/2020 Analyzed: 09/03/2020
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
Blank (BI00143-BLK2)											
Prepared: 09/02/2020 Analyzed: 09/03/2020											
Acetone	ND	10	ug/kg wet								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.0*		*ug/L*	*50.0*		*96.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.4*		*"*	*50.0*		*101*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

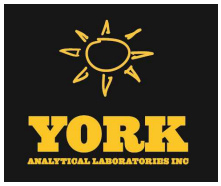
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
Blank (BI00143-BLK2)									Prepared: 09/02/2020 Analyzed: 09/03/2020		
Surrogate: SURR: p-Bromofluorobenzene	*51.9*		*ug/L*	*50.0*		*104*	*76-130*				
Blank (BI00143-BLK3)									Prepared: 09/02/2020 Analyzed: 09/03/2020		
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
Blank (BI00143-BLK3)											Prepared: 09/02/2020 Analyzed: 09/03/2020
Methyl acetate	ND	5.0	ug/kg wet								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.1*		*ug/L*	*50.0*		*100*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*52.4*		*"*	*50.0*		*105*	*76-130*				
Blank (BI00143-BLK4)											Prepared: 09/02/2020 Analyzed: 09/03/2020
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

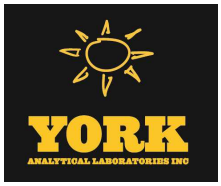
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
Blank (BI00143-BLK4)											
2-Hexanone	ND	5.0	ug/kg wet								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.8*		*ug/L*	*50.0*		*99.5*	*77-125*				

Prepared: 09/02/2020 Analyzed: 09/03/2020

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
Blank (BI00143-BLK4)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
Surrogate: SURR: Toluene-d8	*49.6*		*ug/L*	*50.0*		*99.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.2*		*"*	*50.0*		*102*	*76-130*				
LCS (BI00143-BS1)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
1,1,1,2-Tetrachloroethane	36		ug/L	50.0		71.6	75-129	Low Bias			
1,1,1-Trichloroethane	46		"	50.0		91.9	71-137				
1,1,2,2-Tetrachloroethane	44		"	50.0		89.0	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	55		"	50.0		111	58-146				
1,1,2-Trichloroethane	44		"	50.0		88.4	83-123				
1,1-Dichloroethane	44		"	50.0		87.8	75-130				
1,1-Dichloroethylene	48		"	50.0		95.5	64-137				
1,2,3-Trichlorobenzene	47		"	50.0		94.1	81-140				
1,2,3-Trichloropropane	44		"	50.0		87.9	81-126				
1,2,4-Trichlorobenzene	45		"	50.0		90.4	80-141				
1,2,4-Trimethylbenzene	41		"	50.0		81.5	84-125	Low Bias			
1,2-Dibromo-3-chloropropane	44		"	50.0		88.1	74-142				
1,2-Dibromoethane	45		"	50.0		89.2	86-123				
1,2-Dichlorobenzene	44		"	50.0		87.0	85-122				
1,2-Dichloroethane	45		"	50.0		90.7	71-133				
1,2-Dichloropropane	42		"	50.0		83.6	81-122				
1,3,5-Trimethylbenzene	42		"	50.0		83.8	82-126				
1,3-Dichlorobenzene	42		"	50.0		84.8	84-124				
1,4-Dichlorobenzene	42		"	50.0		84.7	84-124				
1,4-Dioxane	1100		"	1050		103	10-228				
2-Butanone	53		"	50.0		106	58-147				
2-Hexanone	47		"	50.0		94.6	70-139				
4-Methyl-2-pentanone	48		"	50.0		95.6	72-132				
Acetone	35		"	50.0		70.8	36-155				
Acrolein	26		"	50.0		52.7	10-238				
Acrylonitrile	49		"	50.0		97.4	66-141				
Benzene	46		"	50.0		93.0	77-127				
Bromochloromethane	44		"	50.0		88.8	74-129				
Bromodichloromethane	43		"	50.0		85.9	81-124				
Bromoform	34		"	50.0		68.6	80-136	Low Bias			
Bromomethane	62		"	50.0		124	32-177				
Carbon disulfide	46		"	50.0		92.4	10-136				
Carbon tetrachloride	48		"	50.0		96.8	66-143				
Chlorobenzene	44		"	50.0		88.3	86-120				
Chloroethane	64		"	50.0		128	51-142				
Chloroform	46		"	50.0		92.6	76-131				
Chloromethane	61		"	50.0		122	49-132				
cis-1,2-Dichloroethylene	44		"	50.0		87.5	74-132				
cis-1,3-Dichloropropylene	43		"	50.0		85.9	81-129				
Cyclohexane	44		"	50.0		88.2	70-130				
Dibromochloromethane	46		"	50.0		91.0	10-200				
Dibromomethane	44		"	50.0		87.9	83-124				
Dichlorodifluoromethane	65		"	50.0		130	28-158				
Ethyl Benzene	43		"	50.0		85.3	84-125				
Hexachlorobutadiene	45		"	50.0		90.6	83-133				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
LCS (BI00143-BS1)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
Isopropylbenzene	41		ug/L	50.0		81.7	81-127				
Methyl acetate	41		"	50.0		81.7	41-143				
Methyl tert-butyl ether (MTBE)	46		"	50.0		92.2	74-131				
Methylcyclohexane	43		"	50.0		86.6	70-130				
Methylene chloride	47		"	50.0		94.7	57-141				
n-Butylbenzene	42		"	50.0		84.8	80-130				
n-Propylbenzene	41		"	50.0		82.3	74-136				
o-Xylene	42		"	50.0		84.6	83-123				
p- & m- Xylenes	86		"	100		85.8	82-128				
p-Isopropyltoluene	43		"	50.0		85.2	85-125				
sec-Butylbenzene	45		"	50.0		89.7	83-125				
Styrene	44		"	50.0		88.9	86-126				
tert-Butyl alcohol (TBA)	240		"	250		94.5	70-130				
tert-Butylbenzene	41		"	50.0		82.6	80-127				
Tetrachloroethylene	41		"	50.0		82.3	80-129				
Toluene	43		"	50.0		86.6	85-121				
trans-1,2-Dichloroethylene	46		"	50.0		91.7	72-132				
trans-1,3-Dichloropropylene	42		"	50.0		83.4	78-132				
trans-1,4-dichloro-2-butene	43		"	50.0		87.0	75-135				
Trichloroethylene	44		"	50.0		88.8	84-123				
Trichlorofluoromethane	50		"	50.0		99.9	62-140				
Vinyl Chloride	61		"	50.0		123	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.5*		*"*	*50.0*		*98.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.2*		*"*	*50.0*		*98.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.2*		*"*	*50.0*		*96.3*	*76-130*				
LCS Dup (BI00143-BSD1)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
1,1,1,2-Tetrachloroethane	38		ug/L	50.0		76.8	75-129		7.03	30	
1,1,1-Trichloroethane	48		"	50.0		96.9	71-137		5.23	30	
1,1,2,2-Tetrachloroethane	49		"	50.0		97.9	79-129		9.53	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	59		"	50.0		117	58-146		6.03	30	
1,1,2-Trichloroethane	48		"	50.0		96.4	83-123		8.64	30	
1,1-Dichloroethane	46		"	50.0		92.2	75-130		4.82	30	
1,1-Dichloroethylene	51		"	50.0		101	64-137		5.91	30	
1,2,3-Trichlorobenzene	50		"	50.0		101	81-140		6.60	30	
1,2,3-Trichloropropane	47		"	50.0		93.9	81-126		6.58	30	
1,2,4-Trichlorobenzene	47		"	50.0		94.6	80-141		4.54	30	
1,2,4-Trimethylbenzene	44		"	50.0		88.3	84-125		8.01	30	
1,2-Dibromo-3-chloropropane	48		"	50.0		95.3	74-142		7.83	30	
1,2-Dibromoethane	48		"	50.0		96.4	86-123		7.82	30	
1,2-Dichlorobenzene	47		"	50.0		93.8	85-122		7.52	30	
1,2-Dichloroethane	47		"	50.0		93.9	71-133		3.45	30	
1,2-Dichloropropane	44		"	50.0		88.9	81-122		6.14	30	
1,3,5-Trimethylbenzene	46		"	50.0		91.1	82-126		8.33	30	
1,3-Dichlorobenzene	46		"	50.0		91.2	84-124		7.34	30	
1,4-Dichlorobenzene	45		"	50.0		90.4	84-124		6.55	30	
1,4-Dioxane	1100		"	1050		107	10-228		3.43	30	
2-Butanone	61		"	50.0		122	58-147		14.5	30	



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
LCS Dup (BI00143-BSD1)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
2-Hexanone	52		ug/L	50.0		103	70-139		8.62	30	
4-Methyl-2-pentanone	53		"	50.0		106	72-132		10.5	30	
Acetone	39		"	50.0		78.4	36-155		10.1	30	
Acrolein	20		"	50.0		40.5	10-238		26.2	30	
Acrylonitrile	53		"	50.0		106	66-141		8.27	30	
Benzene	50		"	50.0		99.0	77-127		6.31	30	
Bromochloromethane	48		"	50.0		95.3	74-129		7.11	30	
Bromodichloromethane	47		"	50.0		93.6	81-124		8.56	30	
Bromoform	38		"	50.0		76.2	80-136	Low Bias	10.5	30	
Bromomethane	63		"	50.0		127	32-177		2.44	30	
Carbon disulfide	49		"	50.0		97.5	10-136		5.44	30	
Carbon tetrachloride	52		"	50.0		105	66-143		7.75	30	
Chlorobenzene	47		"	50.0		94.7	86-120		6.97	30	
Chloroethane	67		"	50.0		134	51-142		4.16	30	
Chloroform	48		"	50.0		96.7	76-131		4.40	30	
Chloromethane	65		"	50.0		129	49-132		5.89	30	
cis-1,2-Dichloroethylene	47		"	50.0		93.2	74-132		6.31	30	
cis-1,3-Dichloropropylene	46		"	50.0		91.2	81-129		5.99	30	
Cyclohexane	48		"	50.0		96.0	70-130		8.47	30	
Dibromochloromethane	51		"	50.0		101	10-200		10.7	30	
Dibromomethane	46		"	50.0		92.2	83-124		4.71	30	
Dichlorodifluoromethane	70		"	50.0		141	28-158		7.68	30	
Ethyl Benzene	46		"	50.0		92.1	84-125		7.66	30	
Hexachlorobutadiene	49		"	50.0		98.6	83-133		8.52	30	
Isopropylbenzene	45		"	50.0		89.1	81-127		8.67	30	
Methyl acetate	46		"	50.0		91.4	41-143		11.2	30	
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.0	74-131		7.13	30	
Methylcyclohexane	46		"	50.0		92.6	70-130		6.76	30	
Methylene chloride	50		"	50.0		100	57-141		5.75	30	
n-Butylbenzene	46		"	50.0		91.8	80-130		7.84	30	
n-Propylbenzene	44		"	50.0		88.0	74-136		6.74	30	
o-Xylene	45		"	50.0		90.4	83-123		6.67	30	
p- & m- Xylenes	92		"	100		92.4	82-128		7.41	30	
p-Isopropyltoluene	46		"	50.0		92.5	85-125		8.24	30	
sec-Butylbenzene	48		"	50.0		96.9	83-125		7.68	30	
Styrene	47		"	50.0		94.8	86-126		6.42	30	
tert-Butyl alcohol (TBA)	250		"	250		99.9	70-130		5.57	30	
tert-Butylbenzene	45		"	50.0		90.7	80-127		9.35	30	
Tetrachloroethylene	44		"	50.0		88.8	80-129		7.69	30	
Toluene	47		"	50.0		93.9	85-121		8.07	30	
trans-1,2-Dichloroethylene	48		"	50.0		96.7	72-132		5.26	30	
trans-1,3-Dichloropropylene	46		"	50.0		91.2	78-132		8.95	30	
trans-1,4-dichloro-2-butene	47		"	50.0		94.9	75-135		8.69	30	
Trichloroethylene	48		"	50.0		95.6	84-123		7.37	30	
Trichlorofluoromethane	54		"	50.0		107	62-140		7.24	30	
Vinyl Chloride	66		"	50.0		132	52-130	High Bias	7.67	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*"*	*50.0*		*98.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00143 - EPA 5035A											
LCS Dup (BI00143-BSD1)									Prepared: 09/02/2020 Analyzed: 09/03/2020		
Surrogate: SURR: p-Bromofluorobenzene	*48.3*		*ug/L*	*50.0*		*96.6*	*76-130*				
Batch BI00207 - EPA 5035A											
Blank (BI00207-BLK1)									Prepared: 09/02/2020 Analyzed: 09/03/2020		
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
Blank (BI00207-BLK1)											
Prepared: 09/02/2020 Analyzed: 09/03/2020											
Hexachlorobutadiene	ND	5.0	ug/kg wet								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.0*		*ug/L*	*50.0*		*98.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.1*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*50.9*		*"*	*50.0*		*102*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

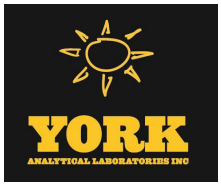
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
Blank (BI00207-BLK2)											
Prepared: 09/02/2020 Analyzed: 09/03/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
Blank (BI00207-BLK2)											Prepared: 09/02/2020 Analyzed: 09/03/2020
Methylene chloride	ND	10	ug/kg wet								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.4*		*ug/L*	*50.0*		*94.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*51.4*		*"*	*50.0*		*103*	*76-130*				
Blank (BI00207-BLK3)											Prepared: 09/02/2020 Analyzed: 09/03/2020
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

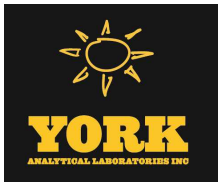
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
Blank (BI00207-BLK3)											
Prepared: 09/02/2020 Analyzed: 09/03/2020											
Acrolein	ND	10	ug/kg wet								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*43.2*		*ug/L*	*50.0*		*86.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.7*		*"*	*50.0*		*97.4*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.2*		*"*	*50.0*		*94.4*	*76-130*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
Blank (BI00207-BLK4)											
Prepared: 09/02/2020 Analyzed: 09/03/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
Blank (BI00207-BLK4)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
Methylene chloride	ND	10	ug/kg wet								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*43.5*		*ug/L*	*50.0*		*87.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*48.6*		*"*	*50.0*		*97.3*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.6*		*"*	*50.0*		*95.2*	*76-130*				
LCS (BI00207-BS1)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
1,1,1,2-Tetrachloroethane	36		ug/L	50.0		72.6	75-129	Low Bias			
1,1,1-Trichloroethane	47		"	50.0		94.1	71-137				
1,1,2,2-Tetrachloroethane	44		"	50.0		88.9	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		114	58-146				
1,1,2-Trichloroethane	45		"	50.0		89.5	83-123				
1,1-Dichloroethane	44		"	50.0		88.2	75-130				
1,1-Dichloroethylene	50		"	50.0		101	64-137				
1,2,3-Trichlorobenzene	49		"	50.0		98.7	81-140				
1,2,3-Trichloropropane	43		"	50.0		86.7	81-126				
1,2,4-Trichlorobenzene	49		"	50.0		97.5	80-141				
1,2,4-Trimethylbenzene	43		"	50.0		85.1	84-125				
1,2-Dibromo-3-chloropropane	45		"	50.0		90.0	74-142				
1,2-Dibromoethane	45		"	50.0		89.3	86-123				
1,2-Dichlorobenzene	45		"	50.0		90.2	85-122				
1,2-Dichloroethane	43		"	50.0		85.5	71-133				
1,2-Dichloropropane	42		"	50.0		83.4	81-122				
1,3,5-Trimethylbenzene	44		"	50.0		87.5	82-126				
1,3-Dichlorobenzene	45		"	50.0		90.0	84-124				
1,4-Dichlorobenzene	45		"	50.0		89.4	84-124				
1,4-Dioxane	1000		"	1050		98.0	10-228				
2-Butanone	48		"	50.0		96.5	58-147				
2-Hexanone	47		"	50.0		94.4	70-139				
4-Methyl-2-pentanone	47		"	50.0		94.6	72-132				
Acetone	35		"	50.0		69.8	36-155				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
LCS (BI00207-BS1)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
Acrolein	75		ug/L	50.0		150	10-238				
Acrylonitrile	51		"	50.0		103	66-141				
Benzene	47		"	50.0		94.1	77-127				
Bromochloromethane	44		"	50.0		88.0	74-129				
Bromodichloromethane	44		"	50.0		87.4	81-124				
Bromoform	37		"	50.0		74.6	80-136	Low Bias			
Bromomethane	55		"	50.0		110	32-177				
Carbon disulfide	49		"	50.0		97.3	10-136				
Carbon tetrachloride	51		"	50.0		102	66-143				
Chlorobenzene	46		"	50.0		91.7	86-120				
Chloroethane	60		"	50.0		121	51-142				
Chloroform	45		"	50.0		90.8	76-131				
Chloromethane	62		"	50.0		123	49-132				
cis-1,2-Dichloroethylene	45		"	50.0		89.9	74-132				
cis-1,3-Dichloropropylene	44		"	50.0		87.3	81-129				
Cyclohexane	46		"	50.0		91.5	70-130				
Dibromochloromethane	46		"	50.0		92.3	10-200				
Dibromomethane	43		"	50.0		86.2	83-124				
Dichlorodifluoromethane	69		"	50.0		138	28-158				
Ethyl Benzene	44		"	50.0		88.9	84-125				
Hexachlorobutadiene	49		"	50.0		98.8	83-133				
Isopropylbenzene	43		"	50.0		85.4	81-127				
Methyl acetate	41		"	50.0		81.1	41-143				
Methyl tert-butyl ether (MTBE)	45		"	50.0		90.0	74-131				
Methylcyclohexane	46		"	50.0		91.1	70-130				
Methylene chloride	46		"	50.0		91.6	57-141				
n-Butylbenzene	49		"	50.0		97.2	80-130				
n-Propylbenzene	43		"	50.0		85.7	74-136				
o-Xylene	43		"	50.0		86.2	83-123				
p- & m- Xylenes	90		"	100		89.6	82-128				
p-Isopropyltoluene	47		"	50.0		94.5	85-125				
sec-Butylbenzene	46		"	50.0		92.7	83-125				
Styrene	46		"	50.0		91.9	86-126				
tert-Butyl alcohol (TBA)	230		"	250		93.0	70-130				
tert-Butylbenzene	43		"	50.0		86.6	80-127				
Tetrachloroethylene	45		"	50.0		89.4	80-129				
Toluene	45		"	50.0		89.4	85-121				
trans-1,2-Dichloroethylene	47		"	50.0		94.2	72-132				
trans-1,3-Dichloropropylene	42		"	50.0		84.4	78-132				
trans-1,4-dichloro-2-butene	45		"	50.0		90.1	75-135				
Trichloroethylene	46		"	50.0		92.4	84-123				
Trichlorofluoromethane	50		"	50.0		101	62-140				
Vinyl Chloride	63		"	50.0		125	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.9*		*"*	*50.0*		*95.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.5*		*"*	*50.0*		*94.9*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
LCS Dup (BI00207-BSD1)								Prepared: 09/02/2020 Analyzed: 09/03/2020			
1,1,1,2-Tetrachloroethane	40		ug/L	50.0		79.5	75-129		9.10	30	
1,1,1-Trichloroethane	51		"	50.0		103	71-137		8.83	30	
1,1,2,2-Tetrachloroethane	47		"	50.0		94.3	79-129		5.87	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		120	58-146		5.14	30	
1,1,2-Trichloroethane	48		"	50.0		95.4	83-123		6.45	30	
1,1-Dichloroethane	47		"	50.0		94.8	75-130		7.17	30	
1,1-Dichloroethylene	53		"	50.0		106	64-137		4.75	30	
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140		6.97	30	
1,2,3-Trichloropropane	47		"	50.0		93.8	81-126		7.87	30	
1,2,4-Trichlorobenzene	52		"	50.0		104	80-141		6.04	30	
1,2,4-Trimethylbenzene	45		"	50.0		89.3	84-125		4.80	30	
1,2-Dibromo-3-chloropropane	50		"	50.0		99.8	74-142		10.3	30	
1,2-Dibromoethane	49		"	50.0		97.4	86-123		8.68	30	
1,2-Dichlorobenzene	48		"	50.0		95.4	85-122		5.58	30	
1,2-Dichloroethane	48		"	50.0		95.3	71-133		10.8	30	
1,2-Dichloropropane	45		"	50.0		89.0	81-122		6.59	30	
1,3,5-Trimethylbenzene	46		"	50.0		91.3	82-126		4.23	30	
1,3-Dichlorobenzene	48		"	50.0		96.1	84-124		6.51	30	
1,4-Dichlorobenzene	48		"	50.0		95.8	84-124		6.87	30	
1,4-Dioxane	1100		"	1050		103	10-228		5.27	30	
2-Butanone	59		"	50.0		118	58-147		20.0	30	
2-Hexanone	51		"	50.0		101	70-139		7.15	30	
4-Methyl-2-pentanone	53		"	50.0		105	72-132		10.6	30	
Acetone	37		"	50.0		74.0	36-155		5.84	30	
Acrolein	81		"	50.0		162	10-238		7.82	30	
Acrylonitrile	56		"	50.0		111	66-141		7.94	30	
Benzene	51		"	50.0		102	77-127		7.98	30	
Bromochloromethane	48		"	50.0		95.4	74-129		8.13	30	
Bromodichloromethane	48		"	50.0		95.1	81-124		8.44	30	
Bromoform	41		"	50.0		81.6	80-136		9.04	30	
Bromomethane	54		"	50.0		108	32-177		2.04	30	
Carbon disulfide	52		"	50.0		104	10-136		6.85	30	
Carbon tetrachloride	56		"	50.0		112	66-143		9.03	30	
Chlorobenzene	49		"	50.0		97.8	86-120		6.52	30	
Chloroethane	66		"	50.0		133	51-142		9.23	30	
Chloroform	50		"	50.0		99.9	76-131		9.57	30	
Chloromethane	66		"	50.0		133	49-132	High Bias	7.59	30	
cis-1,2-Dichloroethylene	49		"	50.0		98.1	74-132		8.72	30	
cis-1,3-Dichloropropylene	47		"	50.0		94.7	81-129		8.18	30	
Cyclohexane	50		"	50.0		99.1	70-130		8.04	30	
Dibromochloromethane	52		"	50.0		105	10-200		12.7	30	
Dibromomethane	47		"	50.0		94.5	83-124		9.19	30	
Dichlorodifluoromethane	75		"	50.0		149	28-158		7.81	30	
Ethyl Benzene	47		"	50.0		94.6	84-125		6.19	30	
Hexachlorobutadiene	51		"	50.0		101	83-133		2.46	30	
Isopropylbenzene	45		"	50.0		89.2	81-127		4.33	30	
Methyl acetate	45		"	50.0		89.2	41-143		9.53	30	
Methyl tert-butyl ether (MTBE)	50		"	50.0		100	74-131		10.9	30	
Methylcyclohexane	48		"	50.0		96.6	70-130		5.84	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00207 - EPA 5035A											
LCS Dup (BI00207-BSD1)									Prepared: 09/02/2020 Analyzed: 09/03/2020		
Methylene chloride	50		ug/L	50.0		101	57-141		9.44	30	
n-Butylbenzene	51		"	50.0		101	80-130		4.35	30	
n-Propylbenzene	45		"	50.0		89.8	74-136		4.65	30	
o-Xylene	46		"	50.0		92.2	83-123		6.73	30	
p- & m- Xylenes	96		"	100		95.6	82-128		6.43	30	
p-Isopropyltoluene	49		"	50.0		98.1	85-125		3.80	30	
sec-Butylbenzene	48		"	50.0		96.9	83-125		4.41	30	
Styrene	48		"	50.0		96.5	86-126		4.88	30	
tert-Butyl alcohol (TBA)	260		"	250		103	70-130		9.95	30	
tert-Butylbenzene	45		"	50.0		90.9	80-127		4.89	30	
Tetrachloroethylene	48		"	50.0		95.1	80-129		6.18	30	
Toluene	48		"	50.0		95.2	85-121		6.22	30	
trans-1,2-Dichloroethylene	50		"	50.0		99.5	72-132		5.47	30	
trans-1,3-Dichloropropylene	46		"	50.0		92.0	78-132		8.59	30	
trans-1,4-dichloro-2-butene	48		"	50.0		96.1	75-135		6.40	30	
Trichloroethylene	49		"	50.0		97.3	84-123		5.14	30	
Trichlorofluoromethane	53		"	50.0		107	62-140		5.93	30	
Vinyl Chloride	67		"	50.0		133	52-130	High Bias	6.18	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.7*		*"*	*50.0*		*97.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.4*		*"*	*50.0*		*98.7*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.2*		*"*	*50.0*		*94.4*	*76-130*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00009 - % Solids Prep											
Duplicate (BI00009-DUP1)	*Source sample: 20H1198-16 (Duplicate)							Prepared & Analyzed: 09/01/2020			
% Solids	43.9	0.100	%		43.2				1.43	20	
Batch BI00011 - % Solids Prep											
Duplicate (BI00011-DUP1)	*Source sample: 20H1221-03 (Duplicate)							Prepared & Analyzed: 09/01/2020			
% Solids	84.0	0.100	%		84.9				1.03	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20H1207-01	GB-15A (18-20)	40mL Vial with Stir Bar-Cool 4° C
20H1207-02	GB-15B (13-15)	40mL Vial with Stir Bar-Cool 4° C
20H1207-03	GB-15C (15-17)	40mL Vial with Stir Bar-Cool 4° C
20H1207-04	GB-15D (12-14)	40mL Vial with Stir Bar-Cool 4° C
20H1207-05	GB-16A (22-24)	40mL Vial with Stir Bar-Cool 4° C
20H1207-06	GB-DUP	40mL Vial with Stir Bar-Cool 4° C

Sample and Data Qualifiers Relating to This Work Order

QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Laboratory Chain-of-Custody Record

York Project (SDG) No.: 20H1207

Samples Received: 08/31/2020 16:15 **By:** Tom Gabrielson **Logged In:** 08/31/2020 14:41 **By:** Terri Gale

Sample Conditions:

- [X] Custody Seals
- [X] Containers Intact
- [X] COC/Labels Agree
- [X] Preservation Confirmed
- [X] Cooler Temperature Confirmed
- [X] COC Complete
- [X] Chain of Custody Form Received
- [X] Appropriate Sample Volumes Received
- [X] Appropriate Sample Containers Submitted
- [X] Samples Submitted within Holding Times
- [ ] Corrective Action Form Required

Preparation Chain-of-Custody

Sample ID	Reason Prep	Prep Start Date	Prep End Date	Prep Analyst
20H1207-01	% Solids Prep	09/01/2020 8:06	09/01/2020 8:06	William J Midolo
20H1207-02	% Solids Prep	09/01/2020 8:06	09/01/2020 8:06	William J Midolo
20H1207-03	% Solids Prep	09/01/2020 8:08	09/01/2020 8:08	William J Midolo
20H1207-04	% Solids Prep	09/01/2020 8:08	09/01/2020 8:08	William J Midolo
20H1207-05	% Solids Prep	09/01/2020 8:08	09/01/2020 8:08	William J Midolo
20H1207-06	% Solids Prep	09/01/2020 8:08	09/01/2020 8:08	William J Midolo
20H1207-01	EPA 5035A	09/02/2020 6:55	09/02/2020 6:55	Kerun Hardeo
20H1207-02	EPA 5035A	09/02/2020 6:55	09/02/2020 6:55	Kerun Hardeo
20H1207-03	EPA 5035A	09/02/2020 6:55	09/02/2020 6:55	Kerun Hardeo
20H1207-04	EPA 5035A	09/02/2020 6:55	09/02/2020 6:55	Kerun Hardeo
20H1207-05	EPA 5035A	09/02/2020 6:55	09/02/2020 6:55	Kerun Hardeo
20H1207-06	EPA 5035A	09/02/2020 6:55	09/02/2020 6:55	Kerun Hardeo

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
20H1207-01	Total Solids	09/01/2020 8:06	09/01/2020 16:31	Sarah Kieck
20H1207-02	Total Solids	09/01/2020 8:06	09/01/2020 16:31	Sarah Kieck
20H1207-03	Total Solids	09/01/2020 8:08	09/01/2020 16:37	Sarah Kieck
20H1207-04	Total Solids	09/01/2020 8:08	09/01/2020 16:37	Sarah Kieck
20H1207-05	Total Solids	09/01/2020 8:08	09/01/2020 16:37	Sarah Kieck
20H1207-06	Total Solids	09/01/2020 8:08	09/01/2020 16:37	Sarah Kieck
20H1207-01	Volatile Organics, 8260 - Comprehens	09/02/2020 6:55	09/03/2020 12:27	Taylor M. Pasquence
20H1207-02	Volatile Organics, 8260 - Comprehens	09/02/2020 6:55	09/03/2020 12:53	Taylor M. Pasquence

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
20H1207-03	Volatile Organics, 8260 - Comprehens	09/02/2020 6:55	09/03/2020 13:19	Taylor M. Pasquence
20H1207-04	Volatile Organics, 8260 - Comprehens	09/02/2020 6:55	09/04/2020 1:10	Taylor M. Pasquence
20H1207-05	Volatile Organics, 8260 - Comprehens	09/02/2020 6:55	09/04/2020 1:36	Taylor M. Pasquence
20H1207-06	Volatile Organics, 8260 - Comprehens	09/02/2020 6:55	09/04/2020 2:02	Taylor M. Pasquence

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 20H1207

Page _____ of _____

YOUR Information	Report To:	Invoice To:
Company: Walden Env. Engineering	Company:	Company:
Address: 16 Spring St, Oyster Bay NY 11771	Address: SAME	Address: SAME
Phone.: 516-624-7200	Phone.:	Phone.:
Contact: Nora Brew, P.E.	Contact:	Contact:
E-mail: nbrew@walden-engineering.com	E-mail:	E-mail:

YOUR Project Number: IMPL0115.6

YOUR Project Name: 218 Lakeville Road New Hyde Park, NY

YOUR PO#: IMPL 0115.6

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Erica Johnston

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From

New York X
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)

Summary Report | CT RCP | Standard Excel EDD
QA Report | CT RCP DQA/DUE | EQuIS (Standard)
NY ASP A Package | NJDEP Reduced Deliverables | NYSDEC EQuIS
NY ASP B Package | NJDKQP | NJDEP SRP HazSite
Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
GB-15A (18-20)	S	8/31/20 13:25	VOCs via 5035	1 Terra Core
GB-15B (13-15)	S	8/31/20 13:15		
GB-15C (15-17)	S	8/31/20 13:05		
GB-15D (12-14)	S	8/31/20 13:00		
~~Trip Blank~~		8/31/20		
GB-16A (22-24)	S	8/31/20 14:20		1 Terra Core
GB-Dup	S	8/31/20 14:20		

Comments: Please compare results with NYSDEC Part 375/CP-51 SCOs for commercial use + Protection of GW

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: Methanol, DI water

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
	8/31/20 14:30	Austen Aranco	8/31 2:30	Austen Aranco	8/31 1615
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time
				TC Kahle	8/31/20 1615

Temp. Received at Lab: 2.3 Degrees C

York Analytical Laboratories, Inc.
SDG: 20H1207
CLASS: VOA
METHOD: EPA 8260C

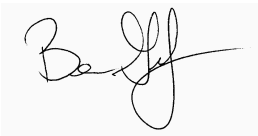
DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Client Sample Id:	Lab Sample Id:
GB-15A (18-20)	20H1207-01
GB-15B (13-15)	20H1207-02
GB-15C (15-17)	20H1207-03
GB-15D (12-14)	20H1207-04
GB-16A (22-24)	20H1207-05
GB-DUP	20H1207-06

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the project narrative. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by

Signature: 
Name: Benjamin Gulizia

Date: 3/10/2021
Title: Laboratory Director

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Sequence: Y0I0351
Instrument: QVOA4
Calibration: YH00003

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00207-BS1)			Lab File ID: QV413941.D		Analyzed: 09/03/20 03:43			
SURR: 1,2-Dichloroethane-d4	50.0	95.8	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	98.7	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	94.9	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
LCS Dup (BI00207-BSD1)			Lab File ID: QV413942.D		Analyzed: 09/03/20 04:09			
SURR: 1,2-Dichloroethane-d4	50.0	97.4	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	98.7	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	94.4	76 - 130	9.106	9.104667	0.0013	+/-1.00	
Blank (BI00207-BLK1)			Lab File ID: QV413943.D		Analyzed: 09/03/20 04:35			
SURR: 1,2-Dichloroethane-d4	50.0	98.0	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.1	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	102	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
GB-15A (18-20) (20H1207-01)			Lab File ID: QV413961.D		Analyzed: 09/03/20 12:27			
SURR: 1,2-Dichloroethane-d4	50.0	102	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.4	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	109	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
GB-15B (13-15) (20H1207-02)			Lab File ID: QV413962.D		Analyzed: 09/03/20 12:53			
SURR: 1,2-Dichloroethane-d4	50.0	97.3	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.2	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	103	76 - 130	9.104	9.104667	-0.0007	+/-1.00	
GB-15C (15-17) (20H1207-03)			Lab File ID: QV413963.D		Analyzed: 09/03/20 13:19			
SURR: 1,2-Dichloroethane-d4	50.0	96.9	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	98.4	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	101	76 - 130	9.104	9.104667	-0.0007	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Sequence: Y0I0437
Instrument: QVOA4
Calibration: YH00003

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00143-BS1)			Lab File ID: QV413971.D		Analyzed: 09/03/20 15:30			
SURR: 1,2-Dichloroethane-d4	50.0	98.9	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	98.4	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	96.3	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
LCS Dup (BI00143-BSD1)			Lab File ID: QV413972.D		Analyzed: 09/03/20 15:56			
SURR: 1,2-Dichloroethane-d4	50.0	98.5	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.6	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	96.6	76 - 130	9.106	9.104667	0.0013	+/-1.00	
Blank (BI00143-BLK1)			Lab File ID: QV413973.D		Analyzed: 09/03/20 16:26			
SURR: 1,2-Dichloroethane-d4	50.0	87.6	77 - 125	4.605	4.6085	-0.0035	+/-1.00	
SURR: Toluene-d8	50.0	102	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	106	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
Blank (BI00143-BLK2)			Lab File ID: QV413975.D		Analyzed: 09/03/20 17:18			
SURR: 1,2-Dichloroethane-d4	50.0	96.0	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	101	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	104	76 - 130	9.106	9.104667	0.0013	+/-1.00	
GB-15D (12-14) (20H1207-04)			Lab File ID: QV413993.D		Analyzed: 09/04/20 01:10			
SURR: 1,2-Dichloroethane-d4	50.0	99.5	77 - 125	4.61	4.6085	0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.4	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	101	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
GB-16A (22-24) (20H1207-05)			Lab File ID: QV413994.D		Analyzed: 09/04/20 01:36			
SURR: 1,2-Dichloroethane-d4	50.0	99.8	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	98.5	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	103	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
GB-DUP (20H1207-06)			Lab File ID: QV413995.D		Analyzed: 09/04/20 02:02			
SURR: 1,2-Dichloroethane-d4	50.0	102	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	98.9	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	105	76 - 130	9.103	9.104667	-0.0017	+/-1.00	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00143
Laboratory ID: BI00143-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	36	71.6 *	75 - 129
1,1,1-Trichloroethane	50.0	46	91.9	71 - 137
1,1,2,2-Tetrachloroethane	50.0	44	89.0	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	55	111	58 - 146
1,1,2-Trichloroethane	50.0	44	88.4	83 - 123
1,1-Dichloroethane	50.0	44	87.8	75 - 130
1,1-Dichloroethylene	50.0	48	95.5	64 - 137
1,2,3-Trichlorobenzene	50.0	47	94.1	81 - 140
1,2,3-Trichloropropane	50.0	44	87.9	81 - 126
1,2,4-Trichlorobenzene	50.0	45	90.4	80 - 141
1,2,4-Trimethylbenzene	50.0	41	81.5 *	84 - 125
1,2-Dibromo-3-chloropropane	50.0	44	88.1	74 - 142
1,2-Dibromoethane	50.0	45	89.2	86 - 123
1,2-Dichlorobenzene	50.0	44	87.0	85 - 122
1,2-Dichloroethane	50.0	45	90.7	71 - 133
1,2-Dichloropropane	50.0	42	83.6	81 - 122
1,3,5-Trimethylbenzene	50.0	42	83.8	82 - 126
1,3-Dichlorobenzene	50.0	42	84.8	84 - 124
1,4-Dichlorobenzene	50.0	42	84.7	84 - 124
1,4-Dioxane	1050	1100	103	10 - 228
2-Butanone	50.0	53	106	58 - 147
2-Hexanone	50.0	47	94.6	70 - 139
4-Methyl-2-pentanone	50.0	48	95.6	72 - 132
Acetone	50.0	35	70.8	36 - 155
Acrolein	50.0	26	52.7	10 - 238
Acrylonitrile	50.0	49	97.4	66 - 141
Benzene	50.0	46	93.0	77 - 127
Bromochloromethane	50.0	44	88.8	74 - 129
Bromodichloromethane	50.0	43	85.9	81 - 124
Bromoform	50.0	34	68.6 *	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00143
Laboratory ID: BI00143-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	50.0	62	124	32 - 177
Carbon disulfide	50.0	46	92.4	10 - 136
Carbon tetrachloride	50.0	48	96.8	66 - 143
Chlorobenzene	50.0	44	88.3	86 - 120
Chloroethane	50.0	64	128	51 - 142
Chloroform	50.0	46	92.6	76 - 131
Chloromethane	50.0	61	122	49 - 132
cis-1,2-Dichloroethylene	50.0	44	87.5	74 - 132
cis-1,3-Dichloropropylene	50.0	43	85.9	81 - 129
Cyclohexane	50.0	44	88.2	70 - 130
Dibromochloromethane	50.0	46	91.0	10 - 200
Dibromomethane	50.0	44	87.9	83 - 124
Dichlorodifluoromethane	50.0	65	130	28 - 158
Ethyl Benzene	50.0	43	85.3	84 - 125
Hexachlorobutadiene	50.0	45	90.6	83 - 133
Isopropylbenzene	50.0	41	81.7	81 - 127
Methyl acetate	50.0	41	81.7	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	46	92.2	74 - 131
Methylcyclohexane	50.0	43	86.6	70 - 130
Methylene chloride	50.0	47	94.7	57 - 141
n-Butylbenzene	50.0	42	84.8	80 - 130
n-Propylbenzene	50.0	41	82.3	74 - 136
o-Xylene	50.0	42	84.6	83 - 123
p- & m- Xylenes	100	86	85.8	82 - 128
p-Isopropyltoluene	50.0	43	85.2	85 - 125
sec-Butylbenzene	50.0	45	89.7	83 - 125
Styrene	50.0	44	88.9	86 - 126
tert-Butyl alcohol (TBA)	250	240	94.5	70 - 130
tert-Butylbenzene	50.0	41	82.6	80 - 127
Tetrachloroethylene	50.0	41	82.3	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil		
Batch:	BI00143	Laboratory ID:	BI00143-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	50.0	43	86.6	85 - 121
trans-1,2-Dichloroethylene	50.0	46	91.7	72 - 132
trans-1,3-Dichloropropylene	50.0	42	83.4	78 - 132
trans-1,4-dichloro-2-butene	50.0	43	87.0	75 - 135
Trichloroethylene	50.0	44	88.8	84 - 123
Trichlorofluoromethane	50.0	50	99.9	62 - 140
Vinyl Chloride	50.0	61	123	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00143
Laboratory ID: BI00143-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	38	76.8	7.03	30	75 - 129
1,1,1-Trichloroethane	50.0	48	96.9	5.23	30	71 - 137
1,1,2,2-Tetrachloroethane	50.0	49	97.9	9.53	30	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	59	117	6.03	30	58 - 146
1,1,2-Trichloroethane	50.0	48	96.4	8.64	30	83 - 123
1,1-Dichloroethane	50.0	46	92.2	4.82	30	75 - 130
1,1-Dichloroethylene	50.0	51	101	5.91	30	64 - 137
1,2,3-Trichlorobenzene	50.0	50	101	6.60	30	81 - 140
1,2,3-Trichloropropane	50.0	47	93.9	6.58	30	81 - 126
1,2,4-Trichlorobenzene	50.0	47	94.6	4.54	30	80 - 141
1,2,4-Trimethylbenzene	50.0	44	88.3	8.01	30	84 - 125
1,2-Dibromo-3-chloropropane	50.0	48	95.3	7.83	30	74 - 142
1,2-Dibromoethane	50.0	48	96.4	7.82	30	86 - 123
1,2-Dichlorobenzene	50.0	47	93.8	7.52	30	85 - 122
1,2-Dichloroethane	50.0	47	93.9	3.45	30	71 - 133
1,2-Dichloropropane	50.0	44	88.9	6.14	30	81 - 122
1,3,5-Trimethylbenzene	50.0	46	91.1	8.33	30	82 - 126
1,3-Dichlorobenzene	50.0	46	91.2	7.34	30	84 - 124
1,4-Dichlorobenzene	50.0	45	90.4	6.55	30	84 - 124
1,4-Dioxane	1050	1100	107	3.43	30	10 - 228
2-Butanone	50.0	61	122	14.5	30	58 - 147
2-Hexanone	50.0	52	103	8.62	30	70 - 139
4-Methyl-2-pentanone	50.0	53	106	10.5	30	72 - 132
Acetone	50.0	39	78.4	10.1	30	36 - 155
Acrolein	50.0	20	40.5	26.2	30	10 - 238
Acrylonitrile	50.0	53	106	8.27	30	66 - 141
Benzene	50.0	50	99.0	6.31	30	77 - 127
Bromochloromethane	50.0	48	95.3	7.11	30	74 - 129
Bromodichloromethane	50.0	47	93.6	8.56	30	81 - 124
Bromoform	50.0	38	76.2 *	10.5	30	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00143
Laboratory ID: BI00143-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	50.0	63	127	2.44	30	32 - 177
Carbon disulfide	50.0	49	97.5	5.44	30	10 - 136
Carbon tetrachloride	50.0	52	105	7.75	30	66 - 143
Chlorobenzene	50.0	47	94.7	6.97	30	86 - 120
Chloroethane	50.0	67	134	4.16	30	51 - 142
Chloroform	50.0	48	96.7	4.40	30	76 - 131
Chloromethane	50.0	65	129	5.89	30	49 - 132
cis-1,2-Dichloroethylene	50.0	47	93.2	6.31	30	74 - 132
cis-1,3-Dichloropropylene	50.0	46	91.2	5.99	30	81 - 129
Cyclohexane	50.0	48	96.0	8.47	30	70 - 130
Dibromochloromethane	50.0	51	101	10.7	30	10 - 200
Dibromomethane	50.0	46	92.2	4.71	30	83 - 124
Dichlorodifluoromethane	50.0	70	141	7.68	30	28 - 158
Ethyl Benzene	50.0	46	92.1	7.66	30	84 - 125
Hexachlorobutadiene	50.0	49	98.6	8.52	30	83 - 133
Isopropylbenzene	50.0	45	89.1	8.67	30	81 - 127
Methyl acetate	50.0	46	91.4	11.2	30	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	50	99.0	7.13	30	74 - 131
Methylcyclohexane	50.0	46	92.6	6.76	30	70 - 130
Methylene chloride	50.0	50	100	5.75	30	57 - 141
n-Butylbenzene	50.0	46	91.8	7.84	30	80 - 130
n-Propylbenzene	50.0	44	88.0	6.74	30	74 - 136
o-Xylene	50.0	45	90.4	6.67	30	83 - 123
p- & m- Xylenes	100	92	92.4	7.41	30	82 - 128
p-Isopropyltoluene	50.0	46	92.5	8.24	30	85 - 125
sec-Butylbenzene	50.0	48	96.9	7.68	30	83 - 125
Styrene	50.0	47	94.8	6.42	30	86 - 126
tert-Butyl alcohol (TBA)	250	250	99.9	5.57	30	70 - 130
tert-Butylbenzene	50.0	45	90.7	9.35	30	80 - 127
Tetrachloroethylene	50.0	44	88.8	7.69	30	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00143
Laboratory ID: BI00143-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.0	47	93.9	8.07	30	85 - 121
trans-1,2-Dichloroethylene	50.0	48	96.7	5.26	30	72 - 132
trans-1,3-Dichloropropylene	50.0	46	91.2	8.95	30	78 - 132
trans-1,4-dichloro-2-butene	50.0	47	94.9	8.69	30	75 - 135
Trichloroethylene	50.0	48	95.6	7.37	30	84 - 123
Trichlorofluoromethane	50.0	54	107	7.24	30	62 - 140
Vinyl Chloride	50.0	66	132 *	7.67	30	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00207
Laboratory ID: BI00207-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	36	72.6 *	75 - 129
1,1,1-Trichloroethane	50.0	47	94.1	71 - 137
1,1,2,2-Tetrachloroethane	50.0	44	88.9	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	57	114	58 - 146
1,1,2-Trichloroethane	50.0	45	89.5	83 - 123
1,1-Dichloroethane	50.0	44	88.2	75 - 130
1,1-Dichloroethylene	50.0	50	101	64 - 137
1,2,3-Trichlorobenzene	50.0	49	98.7	81 - 140
1,2,3-Trichloropropane	50.0	43	86.7	81 - 126
1,2,4-Trichlorobenzene	50.0	49	97.5	80 - 141
1,2,4-Trimethylbenzene	50.0	43	85.1	84 - 125
1,2-Dibromo-3-chloropropane	50.0	45	90.0	74 - 142
1,2-Dibromoethane	50.0	45	89.3	86 - 123
1,2-Dichlorobenzene	50.0	45	90.2	85 - 122
1,2-Dichloroethane	50.0	43	85.5	71 - 133
1,2-Dichloropropane	50.0	42	83.4	81 - 122
1,3,5-Trimethylbenzene	50.0	44	87.5	82 - 126
1,3-Dichlorobenzene	50.0	45	90.0	84 - 124
1,4-Dichlorobenzene	50.0	45	89.4	84 - 124
1,4-Dioxane	1050	1000	98.0	10 - 228
2-Butanone	50.0	48	96.5	58 - 147
2-Hexanone	50.0	47	94.4	70 - 139
4-Methyl-2-pentanone	50.0	47	94.6	72 - 132
Acetone	50.0	35	69.8	36 - 155
Acrolein	50.0	75	150	10 - 238
Acrylonitrile	50.0	51	103	66 - 141
Benzene	50.0	47	94.1	77 - 127
Bromochloromethane	50.0	44	88.0	74 - 129
Bromodichloromethane	50.0	44	87.4	81 - 124
Bromoform	50.0	37	74.6 *	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00207
Laboratory ID: BI00207-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	50.0	55	110	32 - 177
Carbon disulfide	50.0	49	97.3	10 - 136
Carbon tetrachloride	50.0	51	102	66 - 143
Chlorobenzene	50.0	46	91.7	86 - 120
Chloroethane	50.0	60	121	51 - 142
Chloroform	50.0	45	90.8	76 - 131
Chloromethane	50.0	62	123	49 - 132
cis-1,2-Dichloroethylene	50.0	45	89.9	74 - 132
cis-1,3-Dichloropropylene	50.0	44	87.3	81 - 129
Cyclohexane	50.0	46	91.5	70 - 130
Dibromochloromethane	50.0	46	92.3	10 - 200
Dibromomethane	50.0	43	86.2	83 - 124
Dichlorodifluoromethane	50.0	69	138	28 - 158
Ethyl Benzene	50.0	44	88.9	84 - 125
Hexachlorobutadiene	50.0	49	98.8	83 - 133
Isopropylbenzene	50.0	43	85.4	81 - 127
Methyl acetate	50.0	41	81.1	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	45	90.0	74 - 131
Methylcyclohexane	50.0	46	91.1	70 - 130
Methylene chloride	50.0	46	91.6	57 - 141
n-Butylbenzene	50.0	49	97.2	80 - 130
n-Propylbenzene	50.0	43	85.7	74 - 136
o-Xylene	50.0	43	86.2	83 - 123
p- & m- Xylenes	100	90	89.6	82 - 128
p-Isopropyltoluene	50.0	47	94.5	85 - 125
sec-Butylbenzene	50.0	46	92.7	83 - 125
Styrene	50.0	46	91.9	86 - 126
tert-Butyl alcohol (TBA)	250	230	93.0	70 - 130
tert-Butylbenzene	50.0	43	86.6	80 - 127
Tetrachloroethylene	50.0	45	89.4	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil		
Batch:	BI00207	Laboratory ID:	BI00207-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	50.0	45	89.4	85 - 121
trans-1,2-Dichloroethylene	50.0	47	94.2	72 - 132
trans-1,3-Dichloropropylene	50.0	42	84.4	78 - 132
trans-1,4-dichloro-2-butene	50.0	45	90.1	75 - 135
Trichloroethylene	50.0	46	92.4	84 - 123
Trichlorofluoromethane	50.0	50	101	62 - 140
Vinyl Chloride	50.0	63	125	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00207
Laboratory ID: BI00207-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	40	79.5	9.10	30	75 - 129
1,1,1-Trichloroethane	50.0	51	103	8.83	30	71 - 137
1,1,2,2-Tetrachloroethane	50.0	47	94.3	5.87	30	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	60	120	5.14	30	58 - 146
1,1,2-Trichloroethane	50.0	48	95.4	6.45	30	83 - 123
1,1-Dichloroethane	50.0	47	94.8	7.17	30	75 - 130
1,1-Dichloroethylene	50.0	53	106	4.75	30	64 - 137
1,2,3-Trichlorobenzene	50.0	53	106	6.97	30	81 - 140
1,2,3-Trichloropropane	50.0	47	93.8	7.87	30	81 - 126
1,2,4-Trichlorobenzene	50.0	52	104	6.04	30	80 - 141
1,2,4-Trimethylbenzene	50.0	45	89.3	4.80	30	84 - 125
1,2-Dibromo-3-chloropropane	50.0	50	99.8	10.3	30	74 - 142
1,2-Dibromoethane	50.0	49	97.4	8.68	30	86 - 123
1,2-Dichlorobenzene	50.0	48	95.4	5.58	30	85 - 122
1,2-Dichloroethane	50.0	48	95.3	10.8	30	71 - 133
1,2-Dichloropropane	50.0	45	89.0	6.59	30	81 - 122
1,3,5-Trimethylbenzene	50.0	46	91.3	4.23	30	82 - 126
1,3-Dichlorobenzene	50.0	48	96.1	6.51	30	84 - 124
1,4-Dichlorobenzene	50.0	48	95.8	6.87	30	84 - 124
1,4-Dioxane	1050	1100	103	5.27	30	10 - 228
2-Butanone	50.0	59	118	20.0	30	58 - 147
2-Hexanone	50.0	51	101	7.15	30	70 - 139
4-Methyl-2-pentanone	50.0	53	105	10.6	30	72 - 132
Acetone	50.0	37	74.0	5.84	30	36 - 155
Acrolein	50.0	81	162	7.82	30	10 - 238
Acrylonitrile	50.0	56	111	7.94	30	66 - 141
Benzene	50.0	51	102	7.98	30	77 - 127
Bromochloromethane	50.0	48	95.4	8.13	30	74 - 129
Bromodichloromethane	50.0	48	95.1	8.44	30	81 - 124
Bromoform	50.0	41	81.6	9.04	30	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00207
Laboratory ID: BI00207-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	50.0	54	108	2.04	30	32 - 177
Carbon disulfide	50.0	52	104	6.85	30	10 - 136
Carbon tetrachloride	50.0	56	112	9.03	30	66 - 143
Chlorobenzene	50.0	49	97.8	6.52	30	86 - 120
Chloroethane	50.0	66	133	9.23	30	51 - 142
Chloroform	50.0	50	99.9	9.57	30	76 - 131
Chloromethane	50.0	66	133 *	7.59	30	49 - 132
cis-1,2-Dichloroethylene	50.0	49	98.1	8.72	30	74 - 132
cis-1,3-Dichloropropylene	50.0	47	94.7	8.18	30	81 - 129
Cyclohexane	50.0	50	99.1	8.04	30	70 - 130
Dibromochloromethane	50.0	52	105	12.7	30	10 - 200
Dibromomethane	50.0	47	94.5	9.19	30	83 - 124
Dichlorodifluoromethane	50.0	75	149	7.81	30	28 - 158
Ethyl Benzene	50.0	47	94.6	6.19	30	84 - 125
Hexachlorobutadiene	50.0	51	101	2.46	30	83 - 133
Isopropylbenzene	50.0	45	89.2	4.33	30	81 - 127
Methyl acetate	50.0	45	89.2	9.53	30	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	50	100	10.9	30	74 - 131
Methylcyclohexane	50.0	48	96.6	5.84	30	70 - 130
Methylene chloride	50.0	50	101	9.44	30	57 - 141
n-Butylbenzene	50.0	51	101	4.35	30	80 - 130
n-Propylbenzene	50.0	45	89.8	4.65	30	74 - 136
o-Xylene	50.0	46	92.2	6.73	30	83 - 123
p- & m- Xylenes	100	96	95.6	6.43	30	82 - 128
p-Isopropyltoluene	50.0	49	98.1	3.80	30	85 - 125
sec-Butylbenzene	50.0	48	96.9	4.41	30	83 - 125
Styrene	50.0	48	96.5	4.88	30	86 - 126
tert-Butyl alcohol (TBA)	250	260	103	9.95	30	70 - 130
tert-Butylbenzene	50.0	45	90.9	4.89	30	80 - 127
Tetrachloroethylene	50.0	48	95.1	6.18	30	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix: Soil
Batch: BI00207
Laboratory ID: BI00207-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.0	48	95.2	6.22	30	85 - 121
trans-1,2-Dichloroethylene	50.0	50	99.5	5.47	30	72 - 132
trans-1,3-Dichloropropylene	50.0	46	92.0	8.59	30	78 - 132
trans-1,4-dichloro-2-butene	50.0	48	96.1	6.40	30	75 - 135
Trichloroethylene	50.0	49	97.3	5.14	30	84 - 123
Trichlorofluoromethane	50.0	53	107	5.93	30	62 - 140
Vinyl Chloride	50.0	67	133 *	6.18	30	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Batch: BI00143 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-15D (12-14)	20H1207-04	QV413993.D	09/02/20 06:55	
GB-16A (22-24)	20H1207-05	QV413994.D	09/02/20 06:55	
GB-DUP	20H1207-06	QV413995.D	09/02/20 06:55	
Blank	BI00143-BLK1	QV413973.D	09/02/20 06:55	
Blank	BI00143-BLK2	QV413975.D	09/02/20 06:55	
LCS	BI00143-BS1	QV413971.D	09/02/20 06:55	
LCS Dup	BI00143-BSD1	QV413972.D	09/02/20 06:55	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Batch: BI00207 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-15A (18-20)	20H1207-01	QV413961.D	09/02/20 06:55	From BI00143 by KHA on 09/03/2020
GB-15B (13-15)	20H1207-02	QV413962.D	09/02/20 06:55	From BI00143 by KHA on 09/03/2020
GB-15C (15-17)	20H1207-03	QV413963.D	09/02/20 06:55	From BI00143 by KHA on 09/03/2020
Blank	BI00207-BLK1	QV413943.D	09/02/20 06:55	
LCS	BI00207-BS1	QV413941.D	09/02/20 06:55	
LCS Dup	BI00207-BSD1	QV413942.D	09/02/20 06:55	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK1	File ID:	QV413973.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 16:26	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK1	File ID:	QV413973.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 16:26	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK1	File ID:	QV413973.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 16:26	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	43.8	87.6	77 - 125	
SURR: p-Bromofluorobenzene	50.0	52.8	106	76 - 130	
SURR: Toluene-d8	50.0	50.8	102	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	760053	10.79	892805	10.792	
ISTD: Chlorobenzene-d5	1770377	7.846	1841792	7.843	
ISTD: Fluorobenzene	480159	4.877	496055	4.877	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK2	File ID:	QV413975.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 17:18	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK2	File ID:	QV413975.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 17:18	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK2	File ID:	QV413975.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 17:18	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.0	96.0	77 - 125	
SURR: p-Bromofluorobenzene	50.0	51.9	104	76 - 130	
SURR: Toluene-d8	50.0	50.4	101	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	723558	10.792	892805	10.792	
ISTD: Chlorobenzene-d5	1629301	7.846	1841792	7.843	
ISTD: Fluorobenzene	440735	4.88	496055	4.877	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00207-BLK1	File ID:	QV413943.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 04:35	Instrument:	QVOA4		
Batch:	BI00207	Sequence:	Y0I0351	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00207-BLK1	File ID:	QV413943.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 04:35	Instrument:	QVOA4		
Batch:	BI00207	Sequence:	Y0I0351	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00207-BLK1	File ID:	QV413943.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 04:35	Instrument:	QVOA4		
Batch:	BI00207	Sequence:	Y0I0351	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.0	98.0	77 - 125	
SURR: p-Bromofluorobenzene	50.0	50.9	102	76 - 130	
SURR: Toluene-d8	50.0	49.6	99.1	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	874839	10.789	999963	10.792	
ISTD: Chlorobenzene-d5	1916835	7.843	2013216	7.843	
ISTD: Fluorobenzene	505508	4.877	533987	4.877	

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Lab File ID:	QV413154.D	Injection Date:	08/04/20
Instrument ID:	QVOA4	Injection Time:	16:15
Sequence:	Y0H0722	Lab Sample ID:	Y0H0722-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.2	PASS
75	30 - 60% of 95	55.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.13	PASS
173	Less than 2% of 174	0.68	PASS
174	50 - 100% of 95	59.5	PASS
175	5 - 9% of 174	7.14	PASS
176	95 - 101% of 174	97.4	PASS
177	5 - 9% of 176	6.89	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Lab File ID:	QV413938.D	Injection Date:	09/03/20
Instrument ID:	QVOA4	Injection Time:	02:15
Sequence:	Y0I0351	Lab Sample ID:	Y0I0351-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19.4	PASS
75	30 - 60% of 95	49.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.78	PASS
173	Less than 2% of 174	0.46	PASS
174	50 - 100% of 95	67	PASS
175	5 - 9% of 174	7.25	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	6.34	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Lab File ID:	QV413968.D	Injection Date:	09/03/20
Instrument ID:	QVOA4	Injection Time:	14:12
Sequence:	Y0I0437	Lab Sample ID:	Y0I0437-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21	PASS
75	30 - 60% of 95	54.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.91	PASS
173	Less than 2% of 174	0.213	PASS
174	50 - 100% of 95	64.3	PASS
175	5 - 9% of 174	6.92	PASS
176	95 - 101% of 174	97.5	PASS
177	5 - 9% of 176	6.81	PASS

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Sequence: Y0H0722
Instrument: QVOA4
Calibration: YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0H0722-TUN1	QV413154.D	08/04/20 16:15
Cal Standard	Y0H0722-CAL1	QV413157.D	08/04/20 17:07
Cal Standard	Y0H0722-CAL2	QV413158.D	08/04/20 17:33
Cal Standard	Y0H0722-CAL3	QV413159.D	08/04/20 17:59
Cal Standard	Y0H0722-CAL4	QV413160.D	08/04/20 18:26
Cal Standard	Y0H0722-CAL5	QV413161.D	08/04/20 18:52
Cal Standard	Y0H0722-CAL6	QV413162.D	08/04/20 19:18
Secondary Cal Check	Y0H0722-SCV1	QV413165.D	08/04/20 20:37

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Sequence: Y0I0351
Instrument: QVOA4
Calibration: YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I0351-TUN1	QV413938.D	09/03/20 02:15
Calibration Check	Y0I0351-CCV1	QV413940.D	09/03/20 03:15
LCS	BI00207-BS1	QV413941.D	09/03/20 03:43
LCS Dup	BI00207-BSD1	QV413942.D	09/03/20 04:09
Blank	BI00207-BLK1	QV413943.D	09/03/20 04:35
GB-15A (18-20)	20H1207-01	QV413961.D	09/03/20 12:27
GB-15B (13-15)	20H1207-02	QV413962.D	09/03/20 12:53
GB-15C (15-17)	20H1207-03	QV413963.D	09/03/20 13:19

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Sequence: Y0I0437
Instrument: QVOA4
Calibration: YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I0437-TUN1	QV413968.D	09/03/20 14:12
Calibration Check	Y0I0437-CCV1	QV413970.D	09/03/20 15:04
LCS	BI00143-BS1	QV413971.D	09/03/20 15:30
LCS Dup	BI00143-BSD1	QV413972.D	09/03/20 15:56
Blank	BI00143-BLK1	QV413973.D	09/03/20 16:26
Blank	BI00143-BLK2	QV413975.D	09/03/20 17:18
GB-15D (12-14)	20H1207-04	QV413993.D	09/04/20 01:10
GB-16A (22-24)	20H1207-05	QV413994.D	09/04/20 01:36
GB-DUP	20H1207-06	QV413995.D	09/04/20 02:02

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207
Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Sequence: Y0H0722 Instrument: QVOA4
Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (Y0H0722-CAL1)			Lab File ID: QV413157.D			Analyzed: 08/04/20 17:07			
ISTD: Fluorobenzene	549424	4.88	533670	4.88	103	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1937839	7.843	1885854	7.846	103	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	867919	10.79	892068	10.792	97	50 - 200	-0.0020	+/-0.17	
Cal Standard (Y0H0722-CAL2)			Lab File ID: QV413158.D			Analyzed: 08/04/20 17:33			
ISTD: Fluorobenzene	556556	4.88	533670	4.88	104	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1908347	7.843	1885854	7.846	101	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	860958	10.792	892068	10.792	97	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL3)			Lab File ID: QV413159.D			Analyzed: 08/04/20 17:59			
ISTD: Fluorobenzene	523019	4.88	533670	4.88	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1843426	7.846	1885854	7.846	98	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	848827	10.792	892068	10.792	95	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL4)			Lab File ID: QV413160.D			Analyzed: 08/04/20 18:26			
ISTD: Fluorobenzene	533670	4.88	533670	4.88	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1885854	7.846	1885854	7.846	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	892068	10.792	892068	10.792	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL5)			Lab File ID: QV413161.D			Analyzed: 08/04/20 18:52			
ISTD: Fluorobenzene	540529	4.88	533670	4.88	101	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1935829	7.846	1885854	7.846	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1011578	10.792	892068	10.792	113	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL6)			Lab File ID: QV413162.D			Analyzed: 08/04/20 19:18			
ISTD: Fluorobenzene	559479	4.883	533670	4.88	105	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2092222	7.846	1885854	7.846	111	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1201745	10.795	892068	10.792	135	50 - 200	0.0030	+/-0.17	
Secondary Cal Check (Y0H0722-SCV1)			Lab File ID: QV413165.D			Analyzed: 08/04/20 20:37			
ISTD: Fluorobenzene	573258	4.88	533670	4.88	107	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2048628	7.846	1885854	7.846	109	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	985291	10.792	892068	10.792	110	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Sequence: Y0I0351 Instrument: QVOA4

Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I0351-CCV1)			Lab File ID: QV413940.D			Analyzed: 09/03/20 03:15			
ISTD: Fluorobenzene	533987	4.877				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	2013216	7.843				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	999963	10.792				50 - 200		+/-0.17	
LCS (BI00207-BS1)			Lab File ID: QV413941.D			Analyzed: 09/03/20 03:43			
ISTD: Fluorobenzene	520710	4.88	533987	4.877	98	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1938598	7.843	2013216	7.843	96	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	949361	10.792	999963	10.792	95	50 - 200	0.0000	+/-0.17	
LCS Dup (BI00207-BSD1)			Lab File ID: QV413942.D			Analyzed: 09/03/20 04:09			
ISTD: Fluorobenzene	524390	4.88	533987	4.877	98	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1979016	7.846	2013216	7.843	98	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	991560	10.792	999963	10.792	99	50 - 200	0.0000	+/-0.17	
Blank (BI00207-BLK1)			Lab File ID: QV413943.D			Analyzed: 09/03/20 04:35			
ISTD: Fluorobenzene	505508	4.877	533987	4.877	95	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1916835	7.843	2013216	7.843	95	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	874839	10.789	999963	10.792	87	50 - 200	-0.0030	+/-0.17	
GB-15A (18-20) (20H1207-01)			Lab File ID: QV413961.D			Analyzed: 09/03/20 12:27			
ISTD: Fluorobenzene	545655	4.877	533987	4.877	102	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2015732	7.843	2013216	7.843	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	845325	10.792	999963	10.792	85	50 - 200	0.0000	+/-0.17	
GB-15B (13-15) (20H1207-02)			Lab File ID: QV413962.D			Analyzed: 09/03/20 12:53			
ISTD: Fluorobenzene	543639	4.877	533987	4.877	102	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2033321	7.843	2013216	7.843	101	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	921234	10.79	999963	10.792	92	50 - 200	-0.0020	+/-0.17	
GB-15C (15-17) (20H1207-03)			Lab File ID: QV413963.D			Analyzed: 09/03/20 13:19			
ISTD: Fluorobenzene	535600	4.88	533987	4.877	100	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2017745	7.846	2013216	7.843	100	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	914584	10.79	999963	10.792	91	50 - 200	-0.0020	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Sequence: Y0I0437 Instrument: QVOA4

Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I0437-CCV1)			Lab File ID: QV413970.D			Analyzed: 09/03/20 15:04			
ISTD: Fluorobenzene	496055	4.877				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	1841792	7.843				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	892805	10.792				50 - 200		+/-0.17	
LCS (BI00143-BS1)			Lab File ID: QV413971.D			Analyzed: 09/03/20 15:30			
ISTD: Fluorobenzene	485058	4.877	496055	4.877	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1813961	7.846	1841792	7.843	98	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	879598	10.792	892805	10.792	99	50 - 200	0.0000	+/-0.17	
LCS Dup (BI00143-BSD1)			Lab File ID: QV413972.D			Analyzed: 09/03/20 15:56			
ISTD: Fluorobenzene	498350	4.877	496055	4.877	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1837569	7.846	1841792	7.843	100	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	884923	10.79	892805	10.792	99	50 - 200	-0.0020	+/-0.17	
Blank (BI00143-BLK1)			Lab File ID: QV413973.D			Analyzed: 09/03/20 16:26			
ISTD: Fluorobenzene	480159	4.877	496055	4.877	97	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1770377	7.846	1841792	7.843	96	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	760053	10.79	892805	10.792	85	50 - 200	-0.0020	+/-0.17	
Blank (BI00143-BLK2)			Lab File ID: QV413975.D			Analyzed: 09/03/20 17:18			
ISTD: Fluorobenzene	440735	4.88	496055	4.877	89	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1629301	7.846	1841792	7.843	88	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	723558	10.792	892805	10.792	81	50 - 200	0.0000	+/-0.17	
GB-15D (12-14) (20H1207-04)			Lab File ID: QV413993.D			Analyzed: 09/04/20 01:10			
ISTD: Fluorobenzene	481767	4.877	496055	4.877	97	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1787550	7.843	1841792	7.843	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	820509	10.792	892805	10.792	92	50 - 200	0.0000	+/-0.17	
GB-16A (22-24) (20H1207-05)			Lab File ID: QV413994.D			Analyzed: 09/04/20 01:36			
ISTD: Fluorobenzene	465352	4.88	496055	4.877	94	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1737187	7.846	1841792	7.843	94	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	777910	10.792	892805	10.792	87	50 - 200	0.0000	+/-0.17	
GB-DUP (20H1207-06)			Lab File ID: QV413995.D			Analyzed: 09/04/20 02:02			
ISTD: Fluorobenzene	447170	4.88	496055	4.877	90	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1676254	7.846	1841792	7.843	91	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	755071	10.792	892805	10.792	85	50 - 200	0.0000	+/-0.17	

HOLDING TIME SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, N

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GB-15A (18-20)	08/31/20 13:25	08/31/20 16:15	09/02/20 06:55	1.73	14.00	09/03/20 12:27	2.96	14.00	
GB-15B (13-15)	08/31/20 13:15	08/31/20 16:15	09/02/20 06:55	1.74	14.00	09/03/20 12:53	2.98	14.00	
GB-15C (15-17)	08/31/20 13:05	08/31/20 16:15	09/02/20 06:55	1.74	14.00	09/03/20 13:19	3.01	14.00	
GB-15D (12-14)	08/31/20 13:00	08/31/20 16:15	09/02/20 06:55	1.75	14.00	09/04/20 01:10	3.51	14.00	
GB-16A (22-24)	08/31/20 14:20	08/31/20 16:15	09/02/20 06:55	1.69	14.00	09/04/20 01:36	3.47	14.00	
GB-DUP	08/31/20 14:20	08/31/20 16:15	09/02/20 06:55	1.69	14.00	09/04/20 02:02	3.49	14.00	

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20H1207

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyd

Matrix: Soil **Instrument:** QVOA4

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	2.5	5.0	ug/kg
1,1,1-Trichloroethane	2.5	5.0	ug/kg
1,1,2,2-Tetrachloroethane	2.5	5.0	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.5	5.0	ug/kg
1,1,2-Trichloroethane	2.5	5.0	ug/kg
1,1-Dichloroethane	2.5	5.0	ug/kg
1,1-Dichloroethylene	2.5	5.0	ug/kg
1,2,3-Trichlorobenzene	2.5	5.0	ug/kg
1,2,3-Trichloropropane	2.5	5.0	ug/kg
1,2,4-Trichlorobenzene	2.5	5.0	ug/kg
1,2,4-Trimethylbenzene	2.5	5.0	ug/kg
1,2-Dibromo-3-chloropropane	2.5	5.0	ug/kg
1,2-Dibromoethane	2.5	5.0	ug/kg
1,2-Dichlorobenzene	2.5	5.0	ug/kg
1,2-Dichloroethane	2.5	5.0	ug/kg
1,2-Dichloropropane	2.5	5.0	ug/kg
1,3,5-Trimethylbenzene	2.5	5.0	ug/kg
1,3-Dichlorobenzene	2.5	5.0	ug/kg
1,4-Dichlorobenzene	2.5	5.0	ug/kg
1,4-Dioxane	50	100	ug/kg
2-Butanone	2.5	5.0	ug/kg
2-Hexanone	2.5	5.0	ug/kg
4-Methyl-2-pentanone	2.5	5.0	ug/kg
Acetone	5.0	10	ug/kg
Acrolein	5.0	10	ug/kg
Acrylonitrile	2.5	5.0	ug/kg
Benzene	2.5	5.0	ug/kg
Bromochloromethane	2.5	5.0	ug/kg
Bromodichloromethane	2.5	5.0	ug/kg
Bromoform	2.5	5.0	ug/kg
Bromomethane	2.5	5.0	ug/kg
Carbon disulfide	2.5	5.0	ug/kg
Carbon tetrachloride	2.5	5.0	ug/kg
Chlorobenzene	2.5	5.0	ug/kg
Chloroethane	2.5	5.0	ug/kg
Chloroform	2.5	5.0	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20H1207

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyd

Matrix: Soil **Instrument:** QVOA4

Analyte	LOD	LOQ	Units
Chloromethane	2.5	5.0	ug/kg
cis-1,2-Dichloroethylene	2.5	5.0	ug/kg
cis-1,3-Dichloropropylene	2.5	5.0	ug/kg
Cyclohexane	2.5	5.0	ug/kg
Dibromochloromethane	2.5	5.0	ug/kg
Dibromomethane	2.5	5.0	ug/kg
Dichlorodifluoromethane	2.5	5.0	ug/kg
Ethyl Benzene	2.5	5.0	ug/kg
Hexachlorobutadiene	2.5	5.0	ug/kg
Isopropylbenzene	2.5	5.0	ug/kg
Methyl acetate	2.5	5.0	ug/kg
Methyl tert-butyl ether (MTBE)	2.5	5.0	ug/kg
Methylcyclohexane	2.5	5.0	ug/kg
Methylene chloride	5.0	10	ug/kg
n-Butylbenzene	2.5	5.0	ug/kg
n-Propylbenzene	2.5	5.0	ug/kg
o-Xylene	2.5	5.0	ug/kg
p- & m- Xylenes	5.0	10	ug/kg
p-Isopropyltoluene	2.5	5.0	ug/kg
sec-Butylbenzene	2.5	5.0	ug/kg
Styrene	2.5	5.0	ug/kg
tert-Butyl alcohol (TBA)	2.5	5.0	ug/kg
tert-Butylbenzene	2.5	5.0	ug/kg
Tetrachloroethylene	2.5	5.0	ug/kg
Toluene	2.5	5.0	ug/kg
trans-1,2-Dichloroethylene	2.5	5.0	ug/kg
trans-1,3-Dichloropropylene	2.5	5.0	ug/kg
trans-1,4-dichloro-2-butene	2.5	5.0	ug/kg
Trichloroethylene	2.5	5.0	ug/kg
Trichlorofluoromethane	2.5	5.0	ug/kg
Vinyl Chloride	2.5	5.0	ug/kg
Xylenes, Total	7.5	15	ug/kg

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

GB-15A (18-20)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-01 File ID: QV413961.D

Sampled: 08/31/20 13:25 Prepared: 09/02/20 06:55 Analyzed: 09/03/20 12:27

Solids: 97.97 Preparation: EPA 5035A Initial/Final: 8.42 g / 5 ml

Batch: BI00207 Sequence: Y0I0351 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	3.0	U
71-55-6	1,1,1-Trichloroethane	1	3.0	U
79-34-5	1,1,2,2-Tetrachloroethane	1	3.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	3.0	U
79-00-5	1,1,2-Trichloroethane	1	3.0	U
75-34-3	1,1-Dichloroethane	1	3.0	U
75-35-4	1,1-Dichloroethylene	1	3.0	U
87-61-6	1,2,3-Trichlorobenzene	1	3.0	U
96-18-4	1,2,3-Trichloropropane	1	3.0	U
120-82-1	1,2,4-Trichlorobenzene	1	3.0	U
95-63-6	1,2,4-Trimethylbenzene	1	3.0	U
96-12-8	1,2-Dibromo-3-chloropropane	1	3.0	U
106-93-4	1,2-Dibromoethane	1	3.0	U
95-50-1	1,2-Dichlorobenzene	1	3.0	U
107-06-2	1,2-Dichloroethane	1	3.0	U
78-87-5	1,2-Dichloropropane	1	3.0	U
108-67-8	1,3,5-Trimethylbenzene	1	3.0	U
541-73-1	1,3-Dichlorobenzene	1	3.0	U
106-46-7	1,4-Dichlorobenzene	1	3.0	U
123-91-1	1,4-Dioxane	1	61	U
78-93-3	2-Butanone	1	3.0	U
591-78-6	2-Hexanone	1	3.0	U
108-10-1	4-Methyl-2-pentanone	1	3.0	U
67-64-1	Acetone	1	4.4	J
107-02-8	Acrolein	1	6.1	U
107-13-1	Acrylonitrile	1	3.0	U
71-43-2	Benzene	1	3.0	U
74-97-5	Bromochloromethane	1	3.0	U
75-27-4	Bromodichloromethane	1	3.0	U
75-25-2	Bromoform	1	3.0	U
74-83-9	Bromomethane	1	3.0	U
75-15-0	Carbon disulfide	1	3.0	U
56-23-5	Carbon tetrachloride	1	3.0	U
108-90-7	Chlorobenzene	1	3.0	U
75-00-3	Chloroethane	1	3.0	U
67-66-3	Chloroform	1	3.0	U
74-87-3	Chloromethane	1	3.0	U
156-59-2	cis-1,2-Dichloroethylene	1	3.0	U
10061-01-5	cis-1,3-Dichloropropylene	1	3.0	U
110-82-7	Cyclohexane	1	3.0	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-15A (18-20)

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	20H1207-01	File ID:	QV413961.D
Sampled:	08/31/20 13:25	Prepared:	09/02/20 06:55	Analyzed:	09/03/20 12:27
Solids:	97.97	Preparation:	EPA 5035A	Initial/Final:	8.42 g / 5 ml
Batch:	BI00207	Sequence:	Y0I0351	Calibration:	YH00003
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	3.0	U
74-95-3	Dibromomethane	1	3.0	U
75-71-8	Dichlorodifluoromethane	1	3.0	U
100-41-4	Ethyl Benzene	1	3.0	U
87-68-3	Hexachlorobutadiene	1	3.0	U
98-82-8	Isopropylbenzene	1	3.0	U
79-20-9	Methyl acetate	1	3.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	3.0	U
108-87-2	Methylcyclohexane	1	3.0	U
75-09-2	Methylene chloride	1	6.1	U
104-51-8	n-Butylbenzene	1	3.0	U
103-65-1	n-Propylbenzene	1	3.0	U
95-47-6	o-Xylene	1	3.0	U
179601-23-1	p- & m- Xylenes	1	6.1	U
99-87-6	p-Isopropyltoluene	1	3.0	U
135-98-8	sec-Butylbenzene	1	3.0	U
100-42-5	Styrene	1	3.0	U
75-65-0	tert-Butyl alcohol (TBA)	1	3.0	U
98-06-6	tert-Butylbenzene	1	3.0	U
127-18-4	Tetrachloroethylene	1	18	
108-88-3	Toluene	1	3.0	U
156-60-5	trans-1,2-Dichloroethylene	1	3.0	U
10061-02-6	trans-1,3-Dichloropropylene	1	3.0	U
110-57-6	trans-1,4-dichloro-2-butene	1	3.0	U
79-01-6	Trichloroethylene	1	3.0	U
75-69-4	Trichlorofluoromethane	1	3.0	U
75-01-4	Vinyl Chloride	1	3.0	U
1330-20-7	Xylenes, Total	1	9.1	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.9	102	77 - 125	
SURR: Toluene-d8	50.0	49.7	99.4	85 - 120	
SURR: p-Bromofluorobenzene	50.0	54.4	109	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	545655	4.877	533987	4.877	
ISTD: Chlorobenzene-d5	2015732	7.843	2013216	7.843	
ISTD: 1,2-Dichlorobenzene-d4	845325	10.792	999963	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413961.D
Acq On : 3 Sep 2020 12:27 pm
Operator : TMP
Sample : 20H1207-01
Misc : QBQV4090220B 8260 B 8.42G
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 03 14:00:47 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

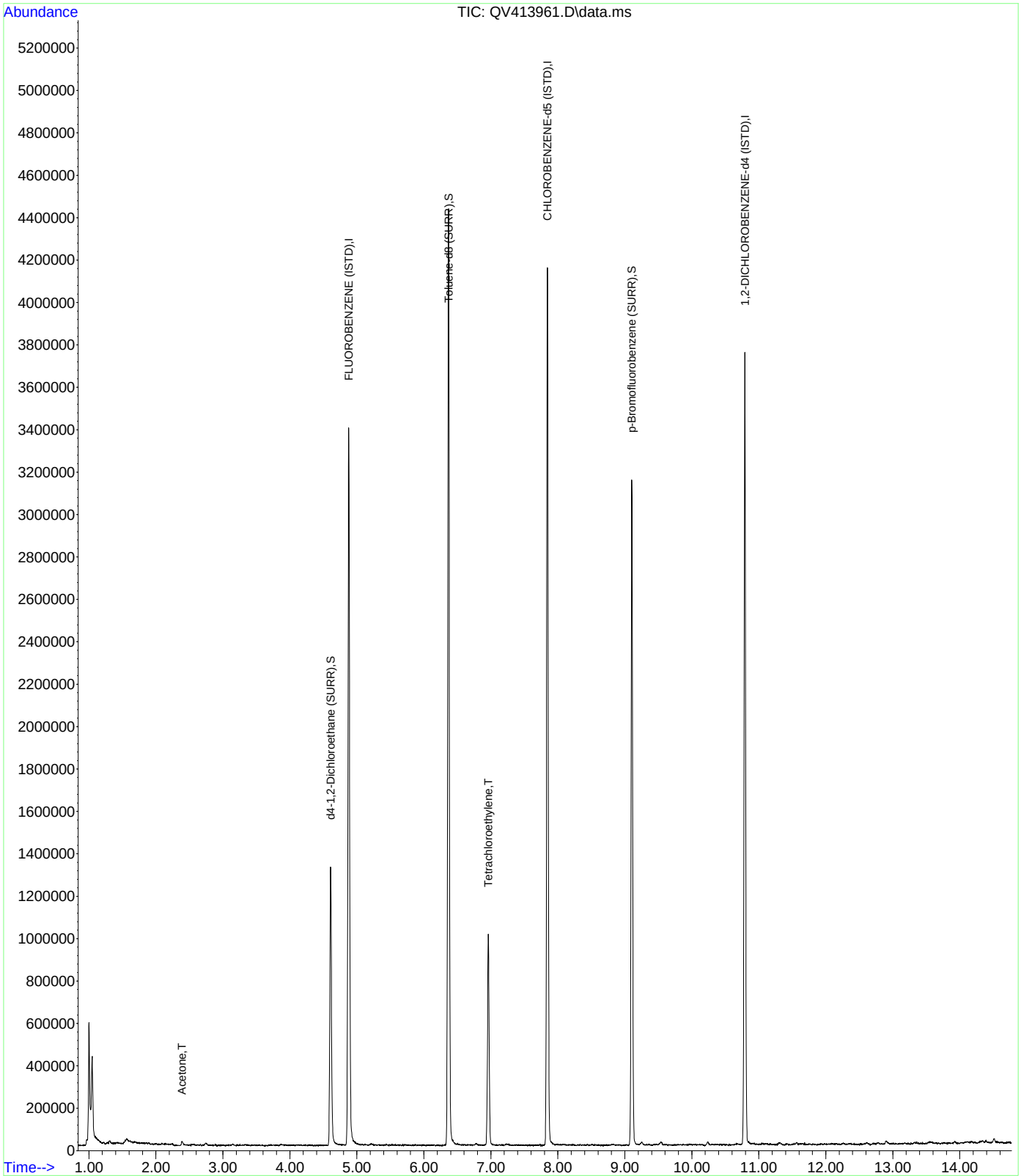
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	545655	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2015732	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	845325	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	868229	50.94	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 101.88%			
54) Toluene-d8 (SURR)	6.369	98	2684419	49.72	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.44%			
73) p-Bromofluorobenzene (...	9.103	95	1069549	54.38	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 108.76%			
Target Compounds						Qvalue
13) Acetone	2.387	43	22341	7.26	ppb	# 45
59) Tetrachloroethylene	6.961	166	238960	30.15	ppb	# 78

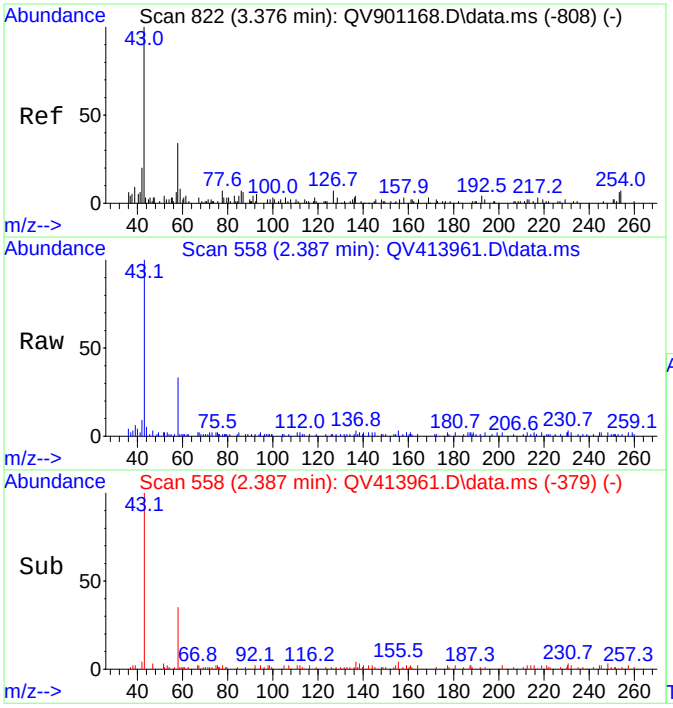
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413961.D
Acq On : 3 Sep 2020 12:27 pm
Operator : TMP
Sample : 20H1207-01
Misc : QBQV4090220B 8260 B 8.42G
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Sep 03 14:00:47 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

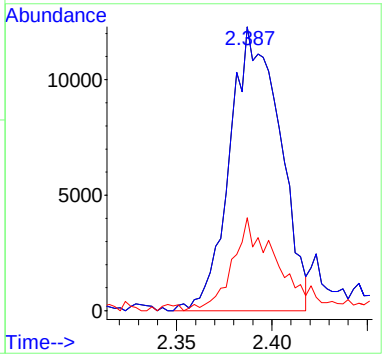


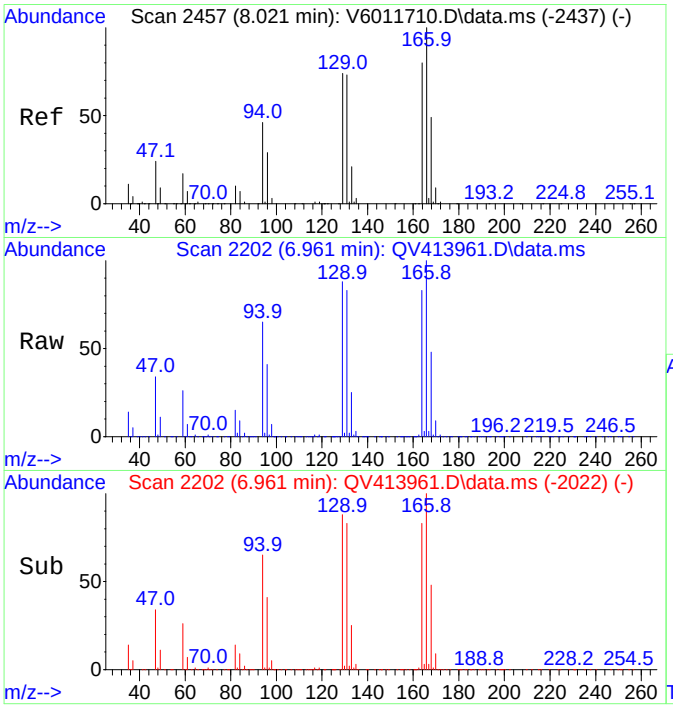


#13
Acetone
Concen: 7.26 ppb
RT: 2.387 min Scan# 558
Delta R.T. -0.003 min
Lab File: QV413961.D
Acq: 3 Sep 2020 12:27 pm

Tgt Ion: 43 Resp: 22341

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	30.3	15.1	45.3

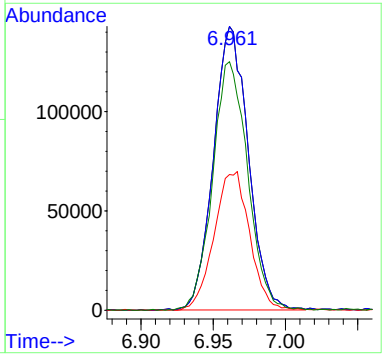




#59
Tetrachloroethylene
Concen: 30.15 ppb
RT: 6.961 min Scan# 2202
Delta R.T. 0.000 min
Lab File: QV413961.D
Acq: 3 Sep 2020 12:27 pm

Tgt Ion:166 Resp: 238960

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	0.0	30.2	62.6#
129	88.5	45.8	95.2



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-15B (13-15)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-02 File ID: QV413962.D

Sampled: 08/31/20 13:15 Prepared: 09/02/20 06:55 Analyzed: 09/03/20 12:53

Solids: 97.15 Preparation: EPA 5035A Initial/Final: 8.24 g / 5 ml

Batch: BI00207 Sequence: Y0I0351 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	3.1	U
71-55-6	1,1,1-Trichloroethane	1	3.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	3.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	3.1	U
79-00-5	1,1,2-Trichloroethane	1	3.1	U
75-34-3	1,1-Dichloroethane	1	3.1	U
75-35-4	1,1-Dichloroethylene	1	3.1	U
87-61-6	1,2,3-Trichlorobenzene	1	3.1	U
96-18-4	1,2,3-Trichloropropane	1	3.1	U
120-82-1	1,2,4-Trichlorobenzene	1	3.1	U
95-63-6	1,2,4-Trimethylbenzene	1	3.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	3.1	U
106-93-4	1,2-Dibromoethane	1	3.1	U
95-50-1	1,2-Dichlorobenzene	1	3.1	U
107-06-2	1,2-Dichloroethane	1	3.1	U
78-87-5	1,2-Dichloropropane	1	3.1	U
108-67-8	1,3,5-Trimethylbenzene	1	3.1	U
541-73-1	1,3-Dichlorobenzene	1	3.1	U
106-46-7	1,4-Dichlorobenzene	1	3.1	U
123-91-1	1,4-Dioxane	1	62	U
78-93-3	2-Butanone	1	3.1	U
591-78-6	2-Hexanone	1	3.1	U
108-10-1	4-Methyl-2-pentanone	1	3.1	U
67-64-1	Acetone	1	6.2	U
107-02-8	Acrolein	1	6.2	U
107-13-1	Acrylonitrile	1	3.1	U
71-43-2	Benzene	1	3.1	U
74-97-5	Bromochloromethane	1	3.1	U
75-27-4	Bromodichloromethane	1	3.1	U
75-25-2	Bromoform	1	3.1	U
74-83-9	Bromomethane	1	3.1	U
75-15-0	Carbon disulfide	1	3.1	U
56-23-5	Carbon tetrachloride	1	3.1	U
108-90-7	Chlorobenzene	1	3.1	U
75-00-3	Chloroethane	1	3.1	U
67-66-3	Chloroform	1	3.1	U
74-87-3	Chloromethane	1	3.1	U
156-59-2	cis-1,2-Dichloroethylene	1	3.1	U
10061-01-5	cis-1,3-Dichloropropylene	1	3.1	U
110-82-7	Cyclohexane	1	3.1	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-15B (13-15)

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	20H1207-02	File ID:	QV413962.D
Sampled:	08/31/20 13:15	Prepared:	09/02/20 06:55	Analyzed:	09/03/20 12:53
Solids:	97.15	Preparation:	EPA 5035A	Initial/Final:	8.24 g / 5 ml
Batch:	BI00207	Sequence:	Y0I0351	Calibration:	YH00003
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	3.1	U
74-95-3	Dibromomethane	1	3.1	U
75-71-8	Dichlorodifluoromethane	1	3.1	U
100-41-4	Ethyl Benzene	1	3.1	U
87-68-3	Hexachlorobutadiene	1	3.1	U
98-82-8	Isopropylbenzene	1	3.1	U
79-20-9	Methyl acetate	1	3.1	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	3.1	U
108-87-2	Methylcyclohexane	1	3.1	U
75-09-2	Methylene chloride	1	6.2	U
104-51-8	n-Butylbenzene	1	3.1	U
103-65-1	n-Propylbenzene	1	3.1	U
95-47-6	o-Xylene	1	3.1	U
179601-23-1	p- & m- Xylenes	1	6.2	U
99-87-6	p-Isopropyltoluene	1	3.1	U
135-98-8	sec-Butylbenzene	1	3.1	U
100-42-5	Styrene	1	3.1	U
75-65-0	tert-Butyl alcohol (TBA)	1	3.1	U
98-06-6	tert-Butylbenzene	1	3.1	U
127-18-4	Tetrachloroethylene	1	1.6	J
108-88-3	Toluene	1	3.1	U
156-60-5	trans-1,2-Dichloroethylene	1	3.1	U
10061-02-6	trans-1,3-Dichloropropylene	1	3.1	U
110-57-6	trans-1,4-dichloro-2-butene	1	3.1	U
79-01-6	Trichloroethylene	1	3.1	U
75-69-4	Trichlorofluoromethane	1	3.1	U
75-01-4	Vinyl Chloride	1	3.1	U
1330-20-7	Xylenes, Total	1	9.4	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.7	97.3	77 - 125	
SURR: Toluene-d8	50.0	49.6	99.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.3	103	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	543639	4.877	533987	4.877	
ISTD: Chlorobenzene-d5	2033321	7.843	2013216	7.843	
ISTD: 1,2-Dichlorobenzene-d4	921234	10.79	999963	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413962.D
Acq On : 3 Sep 2020 12:53 pm
Operator : TMP
Sample : 20H1207-02
Misc : QBQV4090220B 8260 B 8.24G
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 03 14:01:11 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

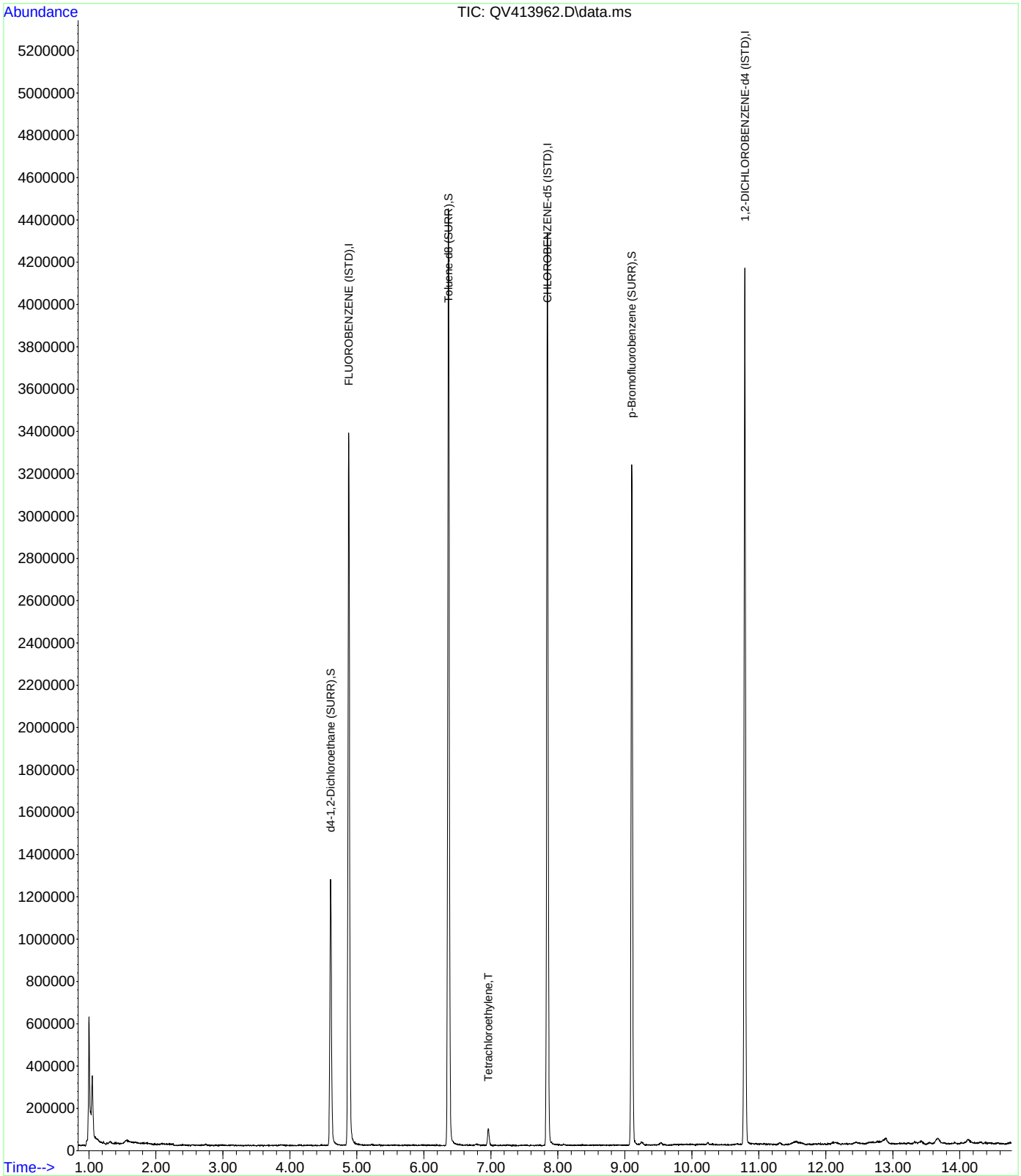
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	543639	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2033321	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	921234	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	826353	48.66	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.32%			
54) Toluene-d8 (SURR)	6.366	98	2700293	49.58	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.16%			
73) p-Bromofluorobenzene (...	9.104	95	1100372	51.34	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 102.68%			
Target Compounds						Qvalue
59) Tetrachloroethylene	6.961	166	20656	2.58	ppb	# 72

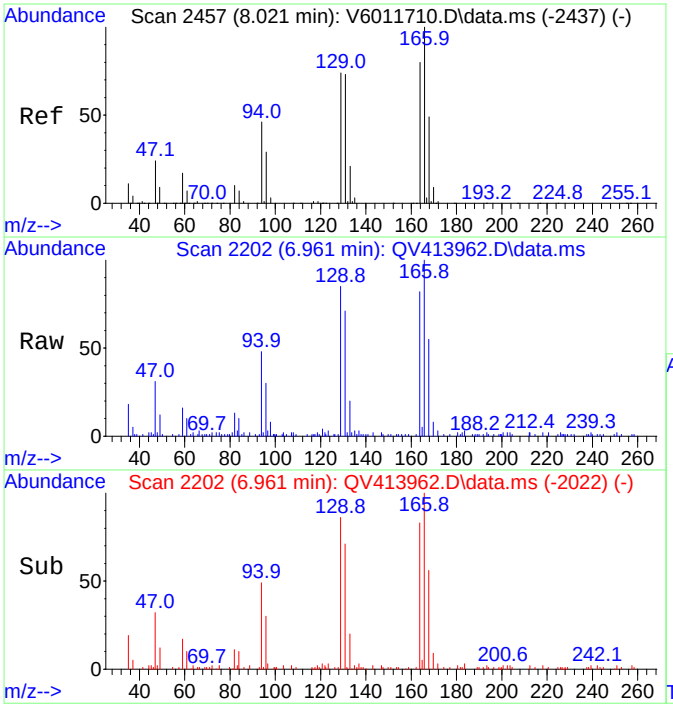
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413962.D
Acq On : 3 Sep 2020 12:53 pm
Operator : TMP
Sample : 20H1207-02
Misc : QBQV4090220B 8260 B 8.24G
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Sep 03 14:01:11 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

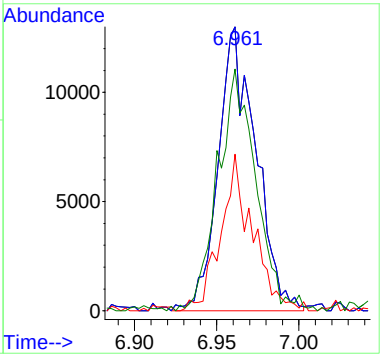




#59
Tetrachloroethylene
Concen: 2.58 ppb
RT: 6.961 min Scan# 2202
Delta R.T. 0.000 min
Lab File: QV413962.D
Acq: 3 Sep 2020 12:53 pm

Tgt Ion:166 Resp: 20656

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	46.8	30.2	62.6
129	0.0	45.8	95.2#



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-15C (15-17)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-03 File ID: QV413963.D

Sampled: 08/31/20 13:05 Prepared: 09/02/20 06:55 Analyzed: 09/03/20 13:19

Solids: 94.98 Preparation: EPA 5035A Initial/Final: 7.97 g / 5 ml

Batch: BI00207 Sequence: Y0I0351 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	3.3	U
71-55-6	1,1,1-Trichloroethane	1	3.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	3.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	3.3	U
79-00-5	1,1,2-Trichloroethane	1	3.3	U
75-34-3	1,1-Dichloroethane	1	3.3	U
75-35-4	1,1-Dichloroethylene	1	3.3	U
87-61-6	1,2,3-Trichlorobenzene	1	3.3	U
96-18-4	1,2,3-Trichloropropane	1	3.3	U
120-82-1	1,2,4-Trichlorobenzene	1	3.3	U
95-63-6	1,2,4-Trimethylbenzene	1	3.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	3.3	U
106-93-4	1,2-Dibromoethane	1	3.3	U
95-50-1	1,2-Dichlorobenzene	1	3.3	U
107-06-2	1,2-Dichloroethane	1	3.3	U
78-87-5	1,2-Dichloropropane	1	3.3	U
108-67-8	1,3,5-Trimethylbenzene	1	3.3	U
541-73-1	1,3-Dichlorobenzene	1	3.3	U
106-46-7	1,4-Dichlorobenzene	1	3.3	U
123-91-1	1,4-Dioxane	1	66	U
78-93-3	2-Butanone	1	3.3	U
591-78-6	2-Hexanone	1	3.3	U
108-10-1	4-Methyl-2-pentanone	1	3.3	U
67-64-1	Acetone	1	6.6	U
107-02-8	Acrolein	1	6.6	U
107-13-1	Acrylonitrile	1	3.3	U
71-43-2	Benzene	1	3.3	U
74-97-5	Bromochloromethane	1	3.3	U
75-27-4	Bromodichloromethane	1	3.3	U
75-25-2	Bromoform	1	3.3	U
74-83-9	Bromomethane	1	3.3	U
75-15-0	Carbon disulfide	1	3.3	U
56-23-5	Carbon tetrachloride	1	3.3	U
108-90-7	Chlorobenzene	1	3.3	U
75-00-3	Chloroethane	1	3.3	U
67-66-3	Chloroform	1	3.3	U
74-87-3	Chloromethane	1	3.3	U
156-59-2	cis-1,2-Dichloroethylene	1	3.3	U
10061-01-5	cis-1,3-Dichloropropylene	1	3.3	U
110-82-7	Cyclohexane	1	3.3	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-15C (15-17)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-03 File ID: QV413963.D

Sampled: 08/31/20 13:05 Prepared: 09/02/20 06:55 Analyzed: 09/03/20 13:19

Solids: 94.98 Preparation: EPA 5035A Initial/Final: 7.97 g / 5 ml

Batch: BI00207 Sequence: Y0I0351 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	3.3	U
74-95-3	Dibromomethane	1	3.3	U
75-71-8	Dichlorodifluoromethane	1	3.3	U
100-41-4	Ethyl Benzene	1	3.3	U
87-68-3	Hexachlorobutadiene	1	3.3	U
98-82-8	Isopropylbenzene	1	3.3	U
79-20-9	Methyl acetate	1	3.3	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	3.3	U
108-87-2	Methylcyclohexane	1	3.3	U
75-09-2	Methylene chloride	1	6.6	U
104-51-8	n-Butylbenzene	1	3.3	U
103-65-1	n-Propylbenzene	1	3.3	U
95-47-6	o-Xylene	1	3.3	U
179601-23-1	p- & m- Xylenes	1	6.6	U
99-87-6	p-Isopropyltoluene	1	3.3	U
135-98-8	sec-Butylbenzene	1	3.3	U
100-42-5	Styrene	1	3.3	U
75-65-0	tert-Butyl alcohol (TBA)	1	3.3	U
98-06-6	tert-Butylbenzene	1	3.3	U
127-18-4	Tetrachloroethylene	1	3.3	U
108-88-3	Toluene	1	3.3	U
156-60-5	trans-1,2-Dichloroethylene	1	3.3	U
10061-02-6	trans-1,3-Dichloropropylene	1	3.3	U
110-57-6	trans-1,4-dichloro-2-butene	1	3.3	U
79-01-6	Trichloroethylene	1	3.3	U
75-69-4	Trichlorofluoromethane	1	3.3	U
75-01-4	Vinyl Chloride	1	3.3	U
1330-20-7	Xylenes, Total	1	9.9	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.5	96.9	77 - 125	
SURR: Toluene-d8	50.0	49.2	98.4	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.7	101	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	535600	4.88	533987	4.877	
ISTD: Chlorobenzene-d5	2017745	7.846	2013216	7.843	
ISTD: 1,2-Dichlorobenzene-d4	914584	10.79	999963	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413963.D
Acq On : 3 Sep 2020 1:19 pm
Operator : TMP
Sample : 20H1207-03
Misc : QBQV4090220B 8260 B 7.97G
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 03 14:01:40 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

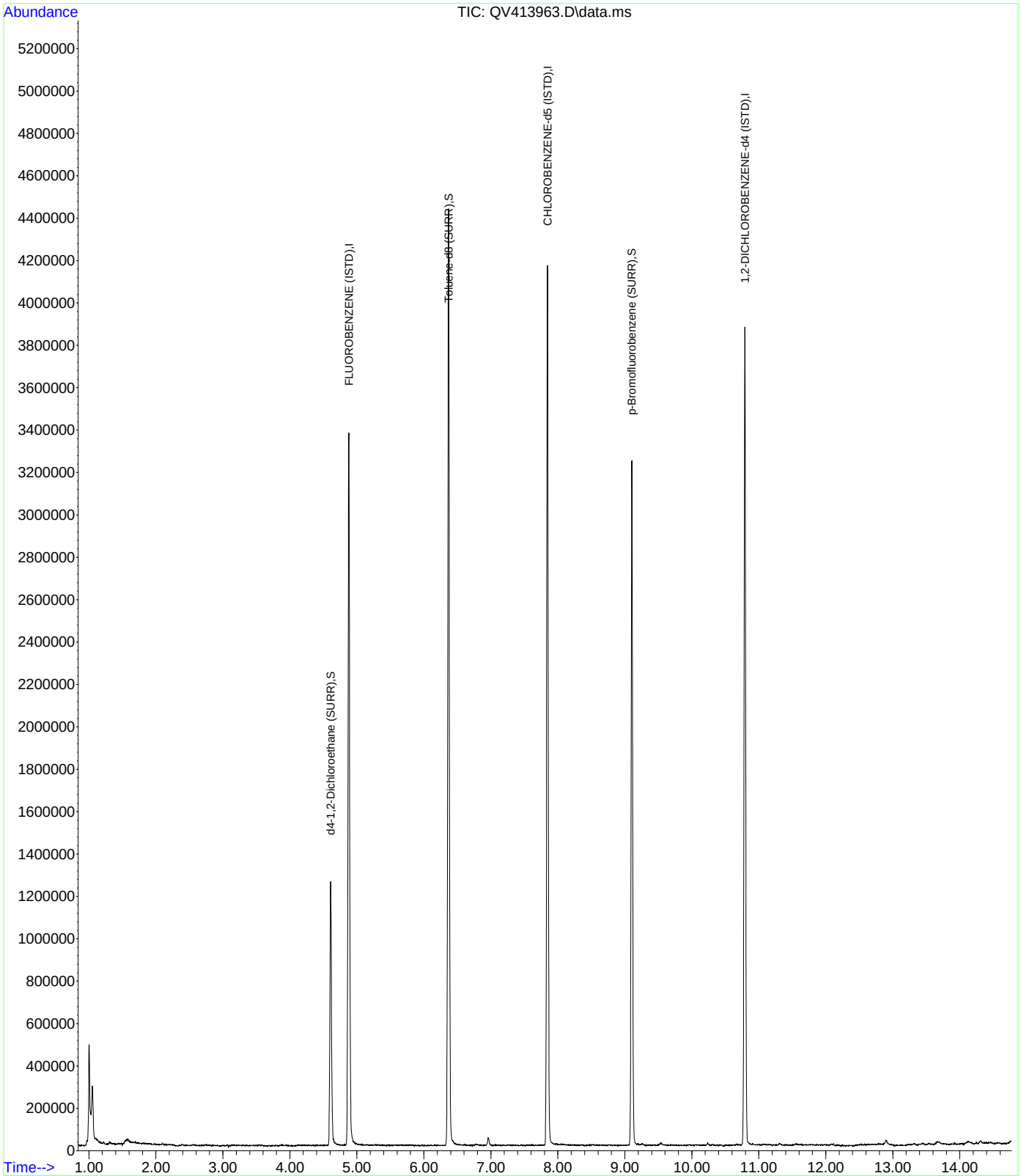
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.880	70	535600	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2017745	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	914584	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	810681	48.46	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 96.92%			
54) Toluene-d8 (SURR)	6.369	98	2657733	49.18	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 98.36%			
73) p-Bromofluorobenzene (...	9.104	95	1078605	50.69	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 101.38%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413963.D
Acq On : 3 Sep 2020 1:19 pm
Operator : TMP
Sample : 20H1207-03
Misc : QBQV4090220B 8260 B 7.97G
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Sep 03 14:01:40 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

GB-15D (12-14)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-04 File ID: QV413993.D

Sampled: 08/31/20 13:00 Prepared: 09/02/20 06:55 Analyzed: 09/04/20 01:10

Solids: 95.16 Preparation: EPA 5035A Initial/Final: 7.61 g / 5 ml

Batch: BI00143 Sequence: Y0I0437 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	3.5	U
71-55-6	1,1,1-Trichloroethane	1	3.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1	3.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	3.5	U
79-00-5	1,1,2-Trichloroethane	1	3.5	U
75-34-3	1,1-Dichloroethane	1	3.5	U
75-35-4	1,1-Dichloroethylene	1	3.5	U
87-61-6	1,2,3-Trichlorobenzene	1	3.5	U
96-18-4	1,2,3-Trichloropropane	1	3.5	U
120-82-1	1,2,4-Trichlorobenzene	1	3.5	U
95-63-6	1,2,4-Trimethylbenzene	1	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	1	3.5	U
106-93-4	1,2-Dibromoethane	1	3.5	U
95-50-1	1,2-Dichlorobenzene	1	3.5	U
107-06-2	1,2-Dichloroethane	1	3.5	U
78-87-5	1,2-Dichloropropane	1	3.5	U
108-67-8	1,3,5-Trimethylbenzene	1	3.5	U
541-73-1	1,3-Dichlorobenzene	1	3.5	U
106-46-7	1,4-Dichlorobenzene	1	3.5	U
123-91-1	1,4-Dioxane	1	69	U
78-93-3	2-Butanone	1	3.5	U
591-78-6	2-Hexanone	1	3.5	U
108-10-1	4-Methyl-2-pentanone	1	3.5	U
67-64-1	Acetone	1	6.9	U
107-02-8	Acrolein	1	6.9	U
107-13-1	Acrylonitrile	1	3.5	U
71-43-2	Benzene	1	3.5	U
74-97-5	Bromochloromethane	1	3.5	U
75-27-4	Bromodichloromethane	1	3.5	U
75-25-2	Bromoform	1	3.5	U
74-83-9	Bromomethane	1	3.5	U
75-15-0	Carbon disulfide	1	3.5	U
56-23-5	Carbon tetrachloride	1	3.5	U
108-90-7	Chlorobenzene	1	3.5	U
75-00-3	Chloroethane	1	3.5	U
67-66-3	Chloroform	1	3.5	U
74-87-3	Chloromethane	1	3.5	U
156-59-2	cis-1,2-Dichloroethylene	1	3.5	U
10061-01-5	cis-1,3-Dichloropropylene	1	3.5	U
110-82-7	Cyclohexane	1	3.5	U

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

GB-15D (12-14)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-04 File ID: QV413993.D

Sampled: 08/31/20 13:00 Prepared: 09/02/20 06:55 Analyzed: 09/04/20 01:10

Solids: 95.16 Preparation: EPA 5035A Initial/Final: 7.61 g / 5 ml

Batch: BI00143 Sequence: Y0I0437 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	3.5	U
74-95-3	Dibromomethane	1	3.5	U
75-71-8	Dichlorodifluoromethane	1	3.5	U
100-41-4	Ethyl Benzene	1	3.5	U
87-68-3	Hexachlorobutadiene	1	3.5	U
98-82-8	Isopropylbenzene	1	3.5	U
79-20-9	Methyl acetate	1	3.5	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	3.5	U
108-87-2	Methylcyclohexane	1	3.5	U
75-09-2	Methylene chloride	1	6.9	U
104-51-8	n-Butylbenzene	1	3.5	U
103-65-1	n-Propylbenzene	1	3.5	U
95-47-6	o-Xylene	1	3.5	U
179601-23-1	p- & m- Xylenes	1	6.9	U
99-87-6	p-Isopropyltoluene	1	3.5	U
135-98-8	sec-Butylbenzene	1	3.5	U
100-42-5	Styrene	1	3.5	U
75-65-0	tert-Butyl alcohol (TBA)	1	3.5	U
98-06-6	tert-Butylbenzene	1	3.5	U
127-18-4	Tetrachloroethylene	1	3.5	U
108-88-3	Toluene	1	3.5	U
156-60-5	trans-1,2-Dichloroethylene	1	3.5	U
10061-02-6	trans-1,3-Dichloropropylene	1	3.5	U
110-57-6	trans-1,4-dichloro-2-butene	1	3.5	U
79-01-6	Trichloroethylene	1	3.5	U
75-69-4	Trichlorofluoromethane	1	3.5	U
75-01-4	Vinyl Chloride	1	3.5	U
1330-20-7	Xylenes, Total	1	10	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.7	99.5	77 - 125	
SURR: Toluene-d8	50.0	49.7	99.4	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.7	101	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	481767	4.877	496055	4.877	
ISTD: Chlorobenzene-d5	1787550	7.843	1841792	7.843	
ISTD: 1,2-Dichlorobenzene-d4	820509	10.792	892805	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413993.D
Acq On : 4 Sep 2020 1:10 am
Operator : TMP
Sample : 20H1207-04
Misc : QBQV4090320A 8260 COMP B 7.61G
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 04 10:02:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

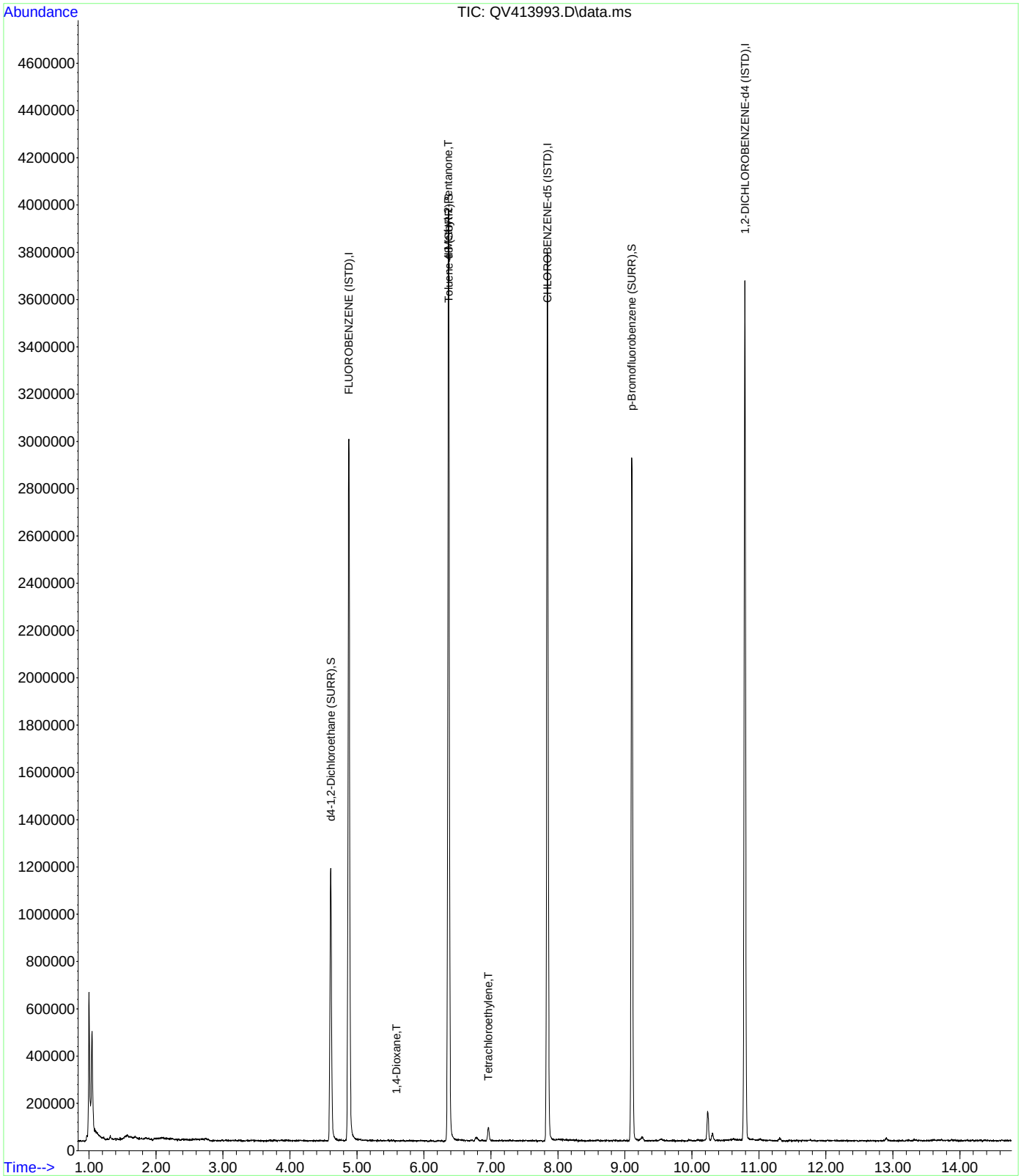
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	481767	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1787550	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	820509	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.610	65	748417	49.73	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.46%			
54) Toluene-d8 (SURR)	6.368	98	2379104	49.69	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.38%			
73) p-Bromofluorobenzene (...	9.103	95	968263	50.72	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 101.44%			
Target Compounds						Qvalue
48) 1,4-Dioxane	5.587	88	115	2.17	ppb	78
53) 4-Methyl-2-Pentanone	6.363	43	12841	2.05	ppb #	1
59) Tetrachloroethylene	6.961	166	14362	2.04	ppb	93

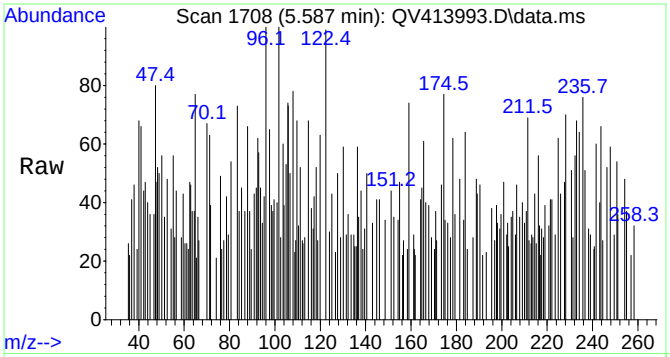
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413993.D
Acq On : 4 Sep 2020 1:10 am
Operator : TMP
Sample : 20H1207-04
Misc : QBQV4090320A 8260 COMP B 7.61G
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Sep 04 10:02:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

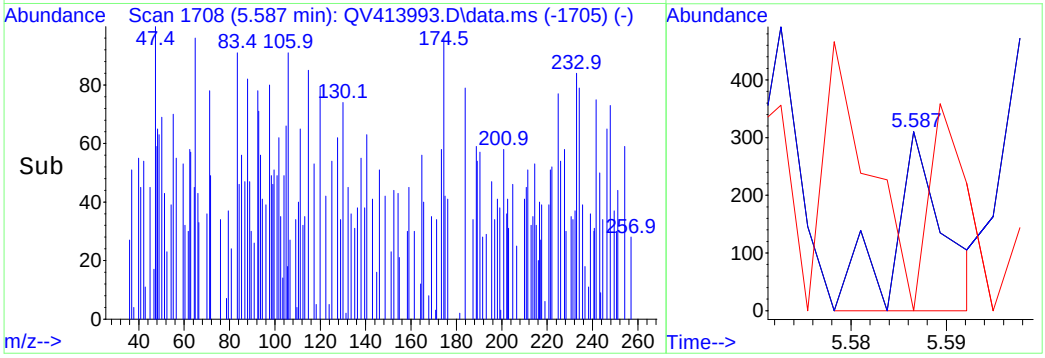


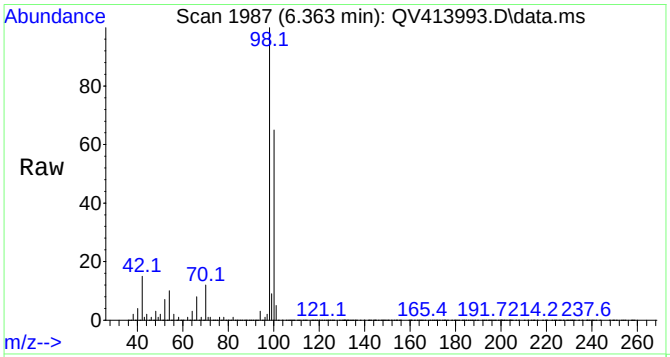


#48
1,4-Dioxane
Concen: 2.17 ppb
RT: 5.587 min Scan# 1708
Delta R.T. -0.016 min
Lab File: QV413993.D
Acq: 4 Sep 2020 1:10 am

Tgt Ion: 88 Resp: 115

Ion	Ratio	Lower	Upper
88	100		
88	100.0	71.8	107.6
58	84.3	28.1	84.4

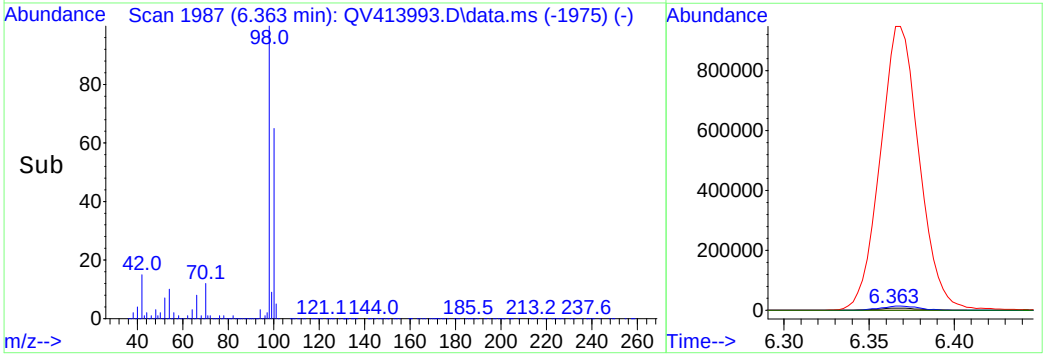


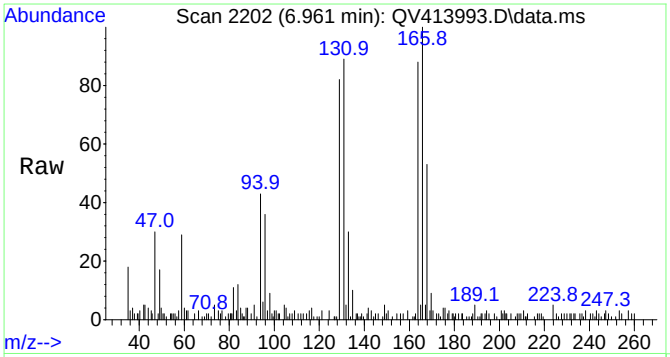


#53
4-Methyl-2-Pentanone
Concen: 2.05 ppb
RT: 6.363 min Scan# 1987
Delta R.T. 0.070 min
Lab File: QV413993.D
Acq: 4 Sep 2020 1:10 am

Tgt Ion: 43 Resp: 12841

Ion	Ratio	Lower	Upper
43	100		
58	177.7	25.7	53.5#
100	11844.9	8.1	24.3#
85	2.4	8.7	26.1#

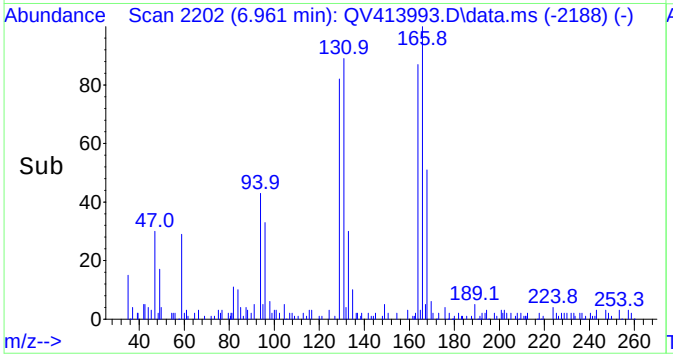


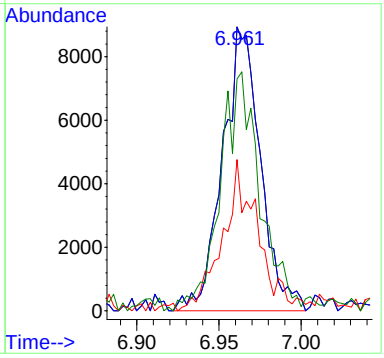


#59
Tetrachloroethylene
Concen: 2.04 ppb
RT: 6.961 min Scan# 2202
Delta R.T. 0.000 min
Lab File: QV413993.D
Acq: 4 Sep 2020 1:10 am

Tgt Ion:166 Resp: 14362

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	45.3	30.2	62.6
129	88.1	45.8	95.2





FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

GB-16A (22-24)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-05 File ID: QV413994.D

Sampled: 08/31/20 14:20 Prepared: 09/02/20 06:55 Analyzed: 09/04/20 01:36

Solids: 97.71 Preparation: EPA 5035A Initial/Final: 7.22 g / 5 ml

Batch: BI00143 Sequence: Y0I0437 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	3.5	U
71-55-6	1,1,1-Trichloroethane	1	3.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1	3.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	3.5	U
79-00-5	1,1,2-Trichloroethane	1	3.5	U
75-34-3	1,1-Dichloroethane	1	3.5	U
75-35-4	1,1-Dichloroethylene	1	3.5	U
87-61-6	1,2,3-Trichlorobenzene	1	3.5	U
96-18-4	1,2,3-Trichloropropane	1	3.5	U
120-82-1	1,2,4-Trichlorobenzene	1	3.5	U
95-63-6	1,2,4-Trimethylbenzene	1	3.5	U
96-12-8	1,2-Dibromo-3-chloropropane	1	3.5	U
106-93-4	1,2-Dibromoethane	1	3.5	U
95-50-1	1,2-Dichlorobenzene	1	3.5	U
107-06-2	1,2-Dichloroethane	1	3.5	U
78-87-5	1,2-Dichloropropane	1	3.5	U
108-67-8	1,3,5-Trimethylbenzene	1	3.5	U
541-73-1	1,3-Dichlorobenzene	1	3.5	U
106-46-7	1,4-Dichlorobenzene	1	3.5	U
123-91-1	1,4-Dioxane	1	71	U
78-93-3	2-Butanone	1	3.5	U
591-78-6	2-Hexanone	1	3.5	U
108-10-1	4-Methyl-2-pentanone	1	3.5	U
67-64-1	Acetone	1	7.1	U
107-02-8	Acrolein	1	7.1	U
107-13-1	Acrylonitrile	1	3.5	U
71-43-2	Benzene	1	3.5	U
74-97-5	Bromochloromethane	1	3.5	U
75-27-4	Bromodichloromethane	1	3.5	U
75-25-2	Bromoform	1	3.5	U
74-83-9	Bromomethane	1	3.5	U
75-15-0	Carbon disulfide	1	3.5	U
56-23-5	Carbon tetrachloride	1	3.5	U
108-90-7	Chlorobenzene	1	3.5	U
75-00-3	Chloroethane	1	3.5	U
67-66-3	Chloroform	1	3.5	U
74-87-3	Chloromethane	1	3.5	U
156-59-2	cis-1,2-Dichloroethylene	1	3.5	U
10061-01-5	cis-1,3-Dichloropropylene	1	3.5	U
110-82-7	Cyclohexane	1	3.5	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-16A (22-24)

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	20H1207-05	File ID:	QV413994.D
Sampled:	08/31/20 14:20	Prepared:	09/02/20 06:55	Analyzed:	09/04/20 01:36
Solids:	97.71	Preparation:	EPA 5035A	Initial/Final:	7.22 g / 5 ml
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	3.5	U
74-95-3	Dibromomethane	1	3.5	U
75-71-8	Dichlorodifluoromethane	1	3.5	U
100-41-4	Ethyl Benzene	1	3.5	U
87-68-3	Hexachlorobutadiene	1	3.5	U
98-82-8	Isopropylbenzene	1	3.5	U
79-20-9	Methyl acetate	1	3.5	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	3.5	U
108-87-2	Methylcyclohexane	1	3.5	U
75-09-2	Methylene chloride	1	7.1	U
104-51-8	n-Butylbenzene	1	3.5	U
103-65-1	n-Propylbenzene	1	3.5	U
95-47-6	o-Xylene	1	3.5	U
179601-23-1	p- & m- Xylenes	1	7.1	U
99-87-6	p-Isopropyltoluene	1	3.5	U
135-98-8	sec-Butylbenzene	1	3.5	U
100-42-5	Styrene	1	3.5	U
75-65-0	tert-Butyl alcohol (TBA)	1	3.5	U
98-06-6	tert-Butylbenzene	1	3.5	U
127-18-4	Tetrachloroethylene	1	6.6	
108-88-3	Toluene	1	3.5	U
156-60-5	trans-1,2-Dichloroethylene	1	3.5	U
10061-02-6	trans-1,3-Dichloropropylene	1	3.5	U
110-57-6	trans-1,4-dichloro-2-butene	1	3.5	U
79-01-6	Trichloroethylene	1	3.5	U
75-69-4	Trichlorofluoromethane	1	3.5	U
75-01-4	Vinyl Chloride	1	3.5	U
1330-20-7	Xylenes, Total	1	11	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.9	99.8	77 - 125	
SURR: Toluene-d8	50.0	49.3	98.5	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.5	103	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	465352	4.88	496055	4.877	
ISTD: Chlorobenzene-d5	1737187	7.846	1841792	7.843	
ISTD: 1,2-Dichlorobenzene-d4	777910	10.792	892805	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413994.D
Acq On : 4 Sep 2020 1:36 am
Operator : TMP
Sample : 20H1207-05
Misc : QBQV4090320A 8260 COMP B 7.22G
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 04 10:02:47 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

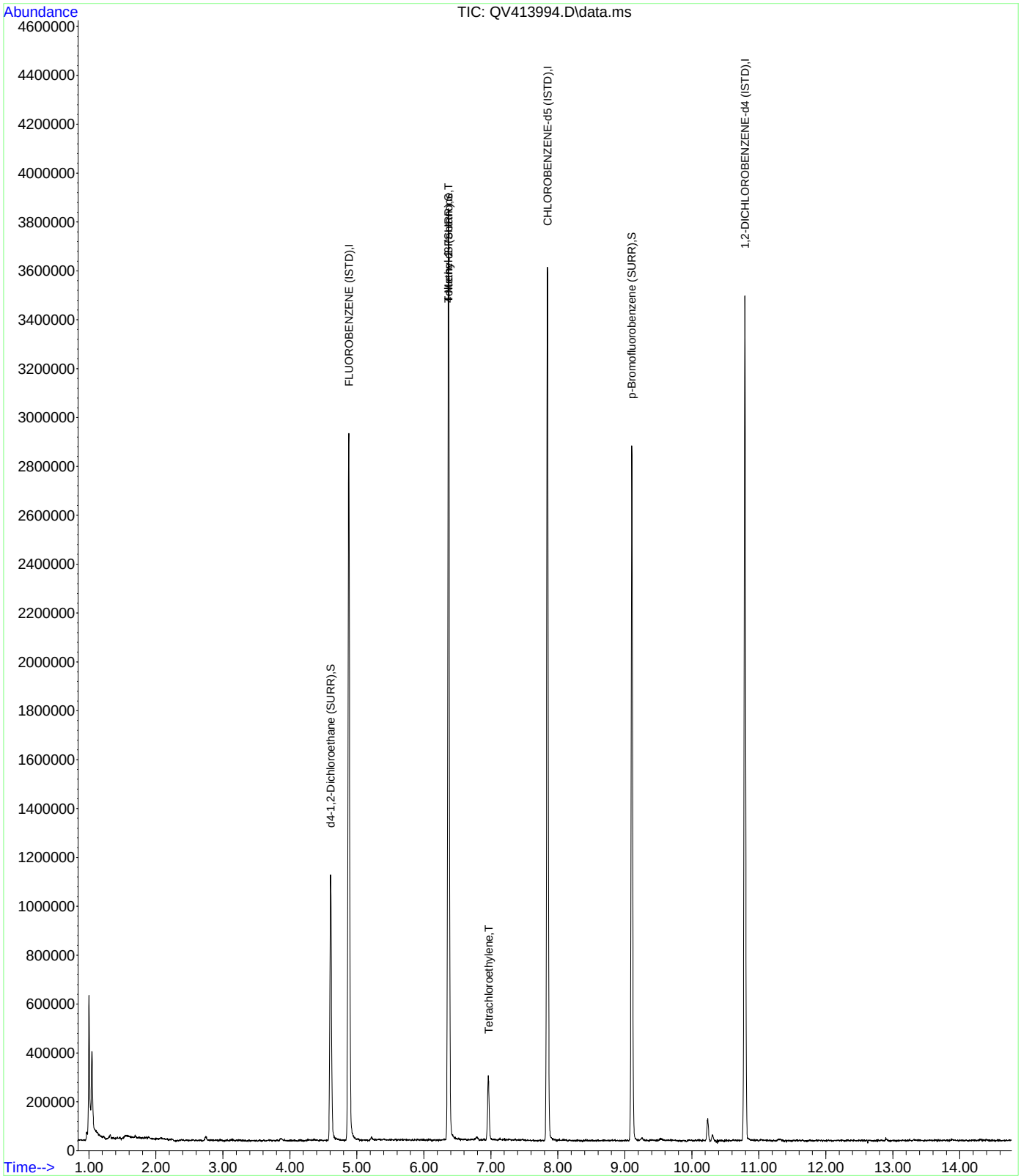
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.880	70	465352	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1737187	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	777910	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	725499	49.91	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.82%			
54) Toluene-d8 (SURR)	6.366	98	2292331	49.27	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 98.54%			
73) p-Bromofluorobenzene (...	9.103	95	931290	51.46	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 102.92%			
Target Compounds						Qvalue
53) 4-Methyl-2-Pentanone	6.366	43	12518	2.06	ppb	# 1
59) Tetrachloroethylene	6.967	166	63707	9.33	ppb	94

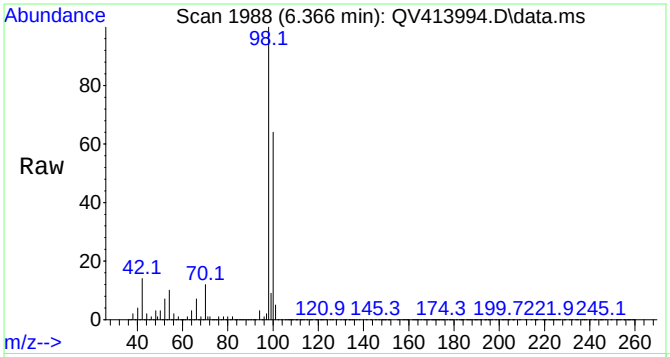
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413994.D
Acq On : 4 Sep 2020 1:36 am
Operator : TMP
Sample : 20H1207-05
Misc : QBQV4090320A 8260 COMP B 7.22G
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 04 10:02:47 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

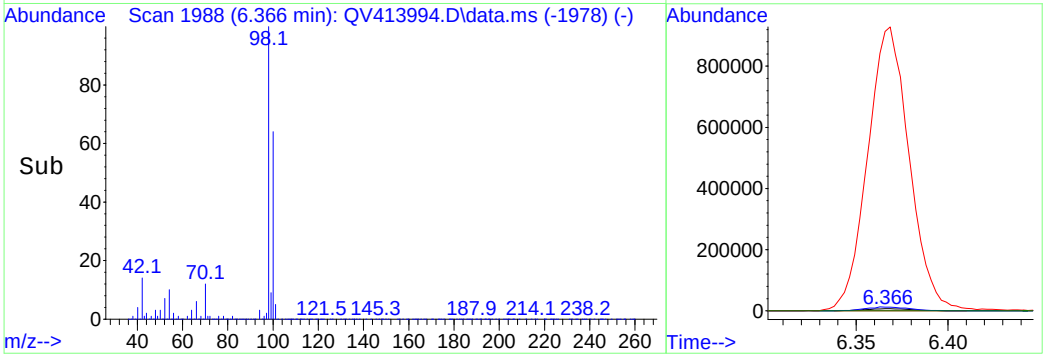


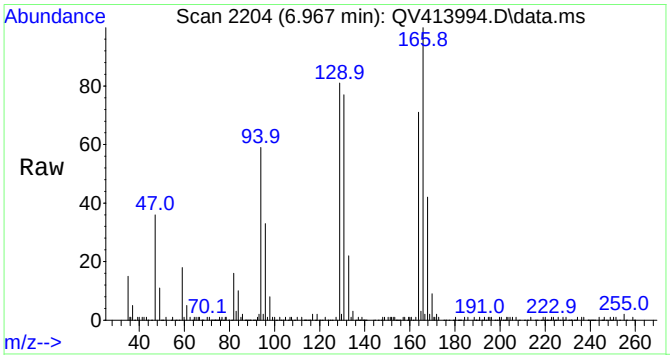


#53
4-Methyl-2-Pentanone
Concen: 2.06 ppb
RT: 6.366 min Scan# 1988
Delta R.T. 0.073 min
Lab File: QV413994.D
Acq: 4 Sep 2020 1:36 am

Tgt Ion: 43 Resp: 12518

Ion	Ratio	Lower	Upper
43	100		
58	170.3	25.7	53.5#
100	11756.5	8.1	24.3#
85	0.7	8.7	26.1#

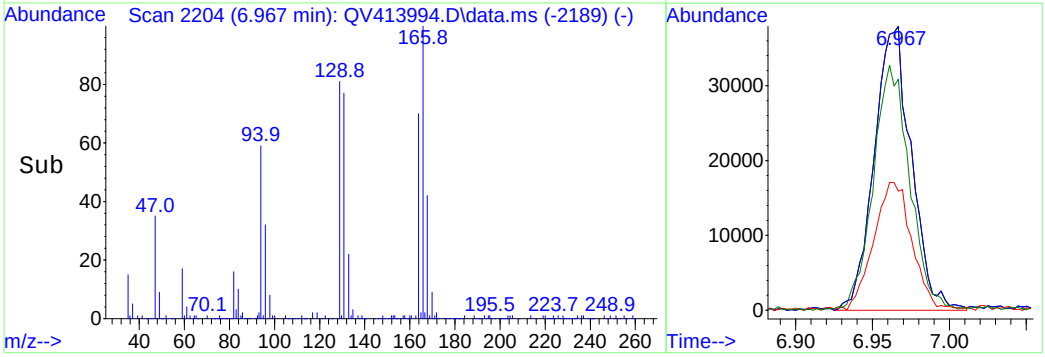




#59
Tetrachloroethylene
Concen: 9.33 ppb
RT: 6.967 min Scan# 2204
Delta R.T. 0.006 min
Lab File: QV413994.D
Acq: 4 Sep 2020 1:36 am

Tgt Ion:166 Resp: 63707

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	46.9	30.2	62.6
129	85.1	45.8	95.2



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-DUP

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-06 File ID: QV413995.D

Sampled: 08/31/20 14:20 Prepared: 09/02/20 06:55 Analyzed: 09/04/20 02:02

Solids: 97.83 Preparation: EPA 5035A Initial/Final: 8.34 g / 5 ml

Batch: BI00143 Sequence: Y0I0437 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	3.1	U
71-55-6	1,1,1-Trichloroethane	1	3.1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	3.1	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	3.1	U
79-00-5	1,1,2-Trichloroethane	1	3.1	U
75-34-3	1,1-Dichloroethane	1	3.1	U
75-35-4	1,1-Dichloroethylene	1	3.1	U
87-61-6	1,2,3-Trichlorobenzene	1	3.1	U
96-18-4	1,2,3-Trichloropropane	1	3.1	U
120-82-1	1,2,4-Trichlorobenzene	1	3.1	U
95-63-6	1,2,4-Trimethylbenzene	1	3.1	U
96-12-8	1,2-Dibromo-3-chloropropane	1	3.1	U
106-93-4	1,2-Dibromoethane	1	3.1	U
95-50-1	1,2-Dichlorobenzene	1	3.1	U
107-06-2	1,2-Dichloroethane	1	3.1	U
78-87-5	1,2-Dichloropropane	1	3.1	U
108-67-8	1,3,5-Trimethylbenzene	1	3.1	U
541-73-1	1,3-Dichlorobenzene	1	3.1	U
106-46-7	1,4-Dichlorobenzene	1	3.1	U
123-91-1	1,4-Dioxane	1	61	U
78-93-3	2-Butanone	1	3.1	U
591-78-6	2-Hexanone	1	3.1	U
108-10-1	4-Methyl-2-pentanone	1	3.1	U
67-64-1	Acetone	1	6.1	U
107-02-8	Acrolein	1	6.1	U
107-13-1	Acrylonitrile	1	3.1	U
71-43-2	Benzene	1	3.1	U
74-97-5	Bromochloromethane	1	3.1	U
75-27-4	Bromodichloromethane	1	3.1	U
75-25-2	Bromoform	1	3.1	U
74-83-9	Bromomethane	1	3.1	U
75-15-0	Carbon disulfide	1	3.1	U
56-23-5	Carbon tetrachloride	1	3.1	U
108-90-7	Chlorobenzene	1	3.1	U
75-00-3	Chloroethane	1	3.1	U
67-66-3	Chloroform	1	3.1	U
74-87-3	Chloromethane	1	3.1	U
156-59-2	cis-1,2-Dichloroethylene	1	3.1	U
10061-01-5	cis-1,3-Dichloropropylene	1	3.1	U
110-82-7	Cyclohexane	1	3.1	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-DUP

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-06 File ID: QV413995.D

Sampled: 08/31/20 14:20 Prepared: 09/02/20 06:55 Analyzed: 09/04/20 02:02

Solids: 97.83 Preparation: EPA 5035A Initial/Final: 8.34 g / 5 ml

Batch: BI00143 Sequence: Y0I0437 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	3.1	U
74-95-3	Dibromomethane	1	3.1	U
75-71-8	Dichlorodifluoromethane	1	3.1	U
100-41-4	Ethyl Benzene	1	3.1	U
87-68-3	Hexachlorobutadiene	1	3.1	U
98-82-8	Isopropylbenzene	1	3.1	U
79-20-9	Methyl acetate	1	3.1	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	3.1	U
108-87-2	Methylcyclohexane	1	3.1	U
75-09-2	Methylene chloride	1	6.1	U
104-51-8	n-Butylbenzene	1	3.1	U
103-65-1	n-Propylbenzene	1	3.1	U
95-47-6	o-Xylene	1	3.1	U
179601-23-1	p- & m- Xylenes	1	6.1	U
99-87-6	p-Isopropyltoluene	1	3.1	U
135-98-8	sec-Butylbenzene	1	3.1	U
100-42-5	Styrene	1	3.1	U
75-65-0	tert-Butyl alcohol (TBA)	1	3.1	U
98-06-6	tert-Butylbenzene	1	3.1	U
127-18-4	Tetrachloroethylene	1	4.8	
108-88-3	Toluene	1	3.1	U
156-60-5	trans-1,2-Dichloroethylene	1	3.1	U
10061-02-6	trans-1,3-Dichloropropylene	1	3.1	U
110-57-6	trans-1,4-dichloro-2-butene	1	3.1	U
79-01-6	Trichloroethylene	1	3.1	U
75-69-4	Trichlorofluoromethane	1	3.1	U
75-01-4	Vinyl Chloride	1	3.1	U
1330-20-7	Xylenes, Total	1	9.2	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	50.8	102	77 - 125	
SURR: Toluene-d8	50.0	49.4	98.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.3	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	447170	4.88	496055	4.877	
ISTD: Chlorobenzene-d5	1676254	7.846	1841792	7.843	
ISTD: 1,2-Dichlorobenzene-d4	755071	10.792	892805	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413995.D
Acq On : 4 Sep 2020 2:02 am
Operator : TMP
Sample : 20H1207-06
Misc : QBQV4090320A 8260 COMP B 8.34G
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 04 10:02:51 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

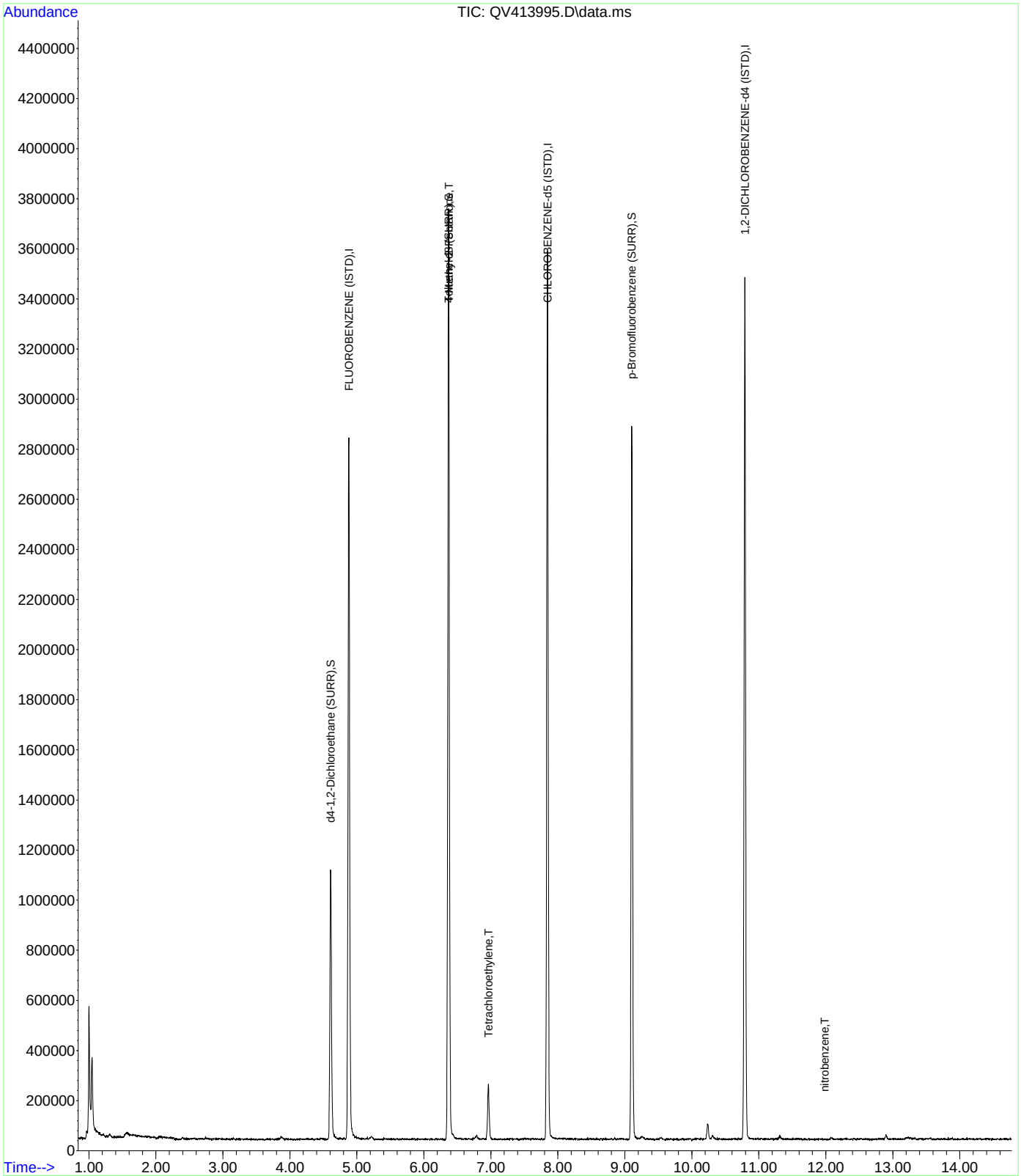
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.880	70	447170	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1676254	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	755071	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	709134	50.77	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 101.54%			
54) Toluene-d8 (SURR)	6.368	98	2220050	49.45	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 98.90%			
73) p-Bromofluorobenzene (...	9.103	95	918340	52.28	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 104.56%			
Target Compounds						Qvalue
53) 4-Methyl-2-Pentanone	6.371	43	12664	2.16	ppb	# 1
59) Tetrachloroethylene	6.964	166	51809	7.86	ppb	# 78
90) nitrobenzene	11.983	77	159	2.22	ppb	# 100

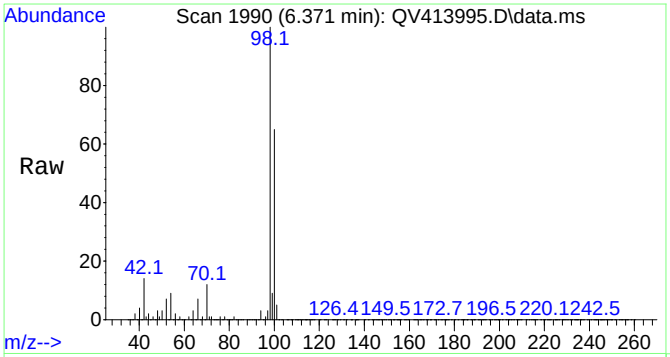
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413995.D
Acq On : 4 Sep 2020 2:02 am
Operator : TMP
Sample : 20H1207-06
Misc : QBQV4090320A 8260 COMP B 8.34G
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 04 10:02:51 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

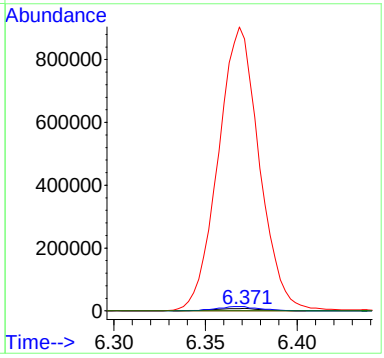


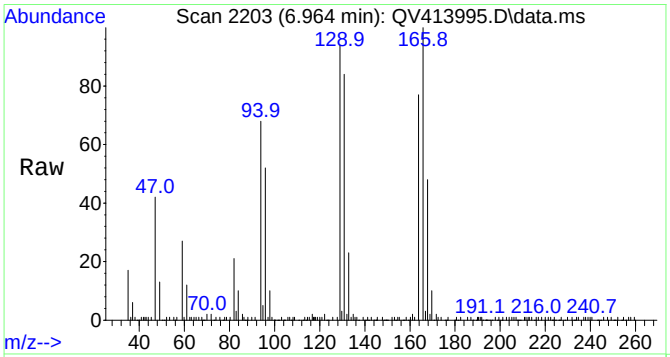


#53
4-Methyl-2-Pentanone
Concen: 2.16 ppb
RT: 6.371 min Scan# 1990
Delta R.T. 0.078 min
Lab File: QV413995.D
Acq: 4 Sep 2020 2:02 am

Tgt Ion: 43 Resp: 12664

Ion	Ratio	Lower	Upper
43	100		
58	176.1	25.7	53.5#
100	11173.6	8.1	24.3#
85	0.5	8.7	26.1#

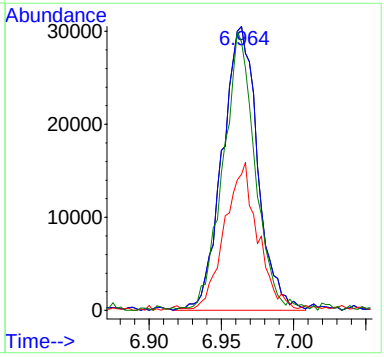


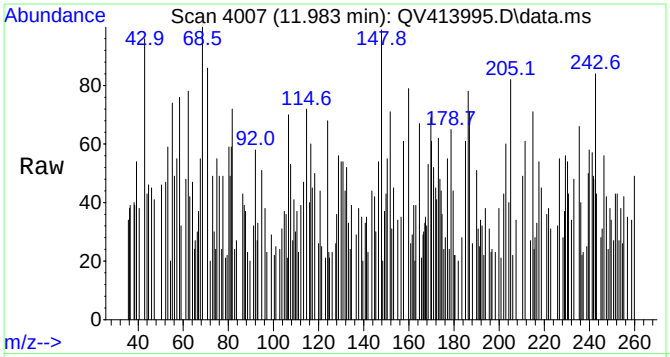


#59
Tetrachloroethylene
Concen: 7.86 ppb
RT: 6.964 min Scan# 2203
Delta R.T. 0.003 min
Lab File: QV413995.D
Acq: 4 Sep 2020 2:02 am

Tgt Ion:166 Resp: 51809

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	0.0	30.2	62.6#
129	87.4	45.8	95.2

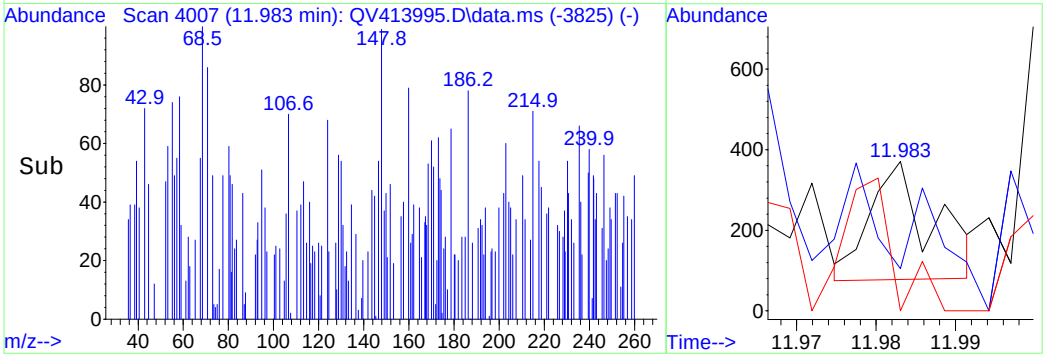




#90
nitrobenzene
Concen: 2.22 ppb
RT: 11.983 min Scan# 4007
Delta R.T. 0.006 min
Lab File: QV413995.D
Acq: 4 Sep 2020 2:02 am

Tgt Ion: 77 Resp: 159

Ion	Ratio	Lower	Upper
77	100		
123	61.6	0.0	0.0#
51	90.6	0.0	0.0#



FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20H1207

Client: Walden Associates

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Calibration: YH00003

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	5	0.1252529	10	0.1576941	20	0.1731192	50	0.1782922	100	0.2154682	200	0.2346624
1,1,1-Trichloroethane	5	1.008402	10	1.295503	20	1.430173	50	1.315429	100	1.504856	200	1.553078
1,1,2,2-Tetrachloroethane	5	0.357591	10	0.4199218	20	0.443459	50	0.4093825	100	0.4009538	200	0.3540539
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	5	0.7543719	10	0.6327126	20	0.8903644	50	0.810499	100	0.8525213	200	0.8182595
1,1,2-Trichloroethane	5	0.133169	10	0.1521238	20	0.1607469	50	0.1468412	100	0.1550715	200	0.1481565
1,1-Dichloroethane	5	1.264761	10	1.504054	20	1.595989	50	1.462591	100	1.606283	200	1.592391
1,1-Dichloroethylene	5	1.10918	10	1.31905	20	1.387507	50	1.22833	100	1.374047	200	1.328842
1,1-Dichloropropylene	5	0.9818828	10	1.152903	20	1.248124	50	1.116171	100	1.283973	200	1.270348
1,2,3-Trichlorobenzene	5	0.4262379	10	0.5275983	20	0.5373386	50	0.487835	100	0.4855137	200	0.4471691
1,2,3-Trichloropropane	5	0.1166584	10	0.1421091	20	0.1451267	50	0.1408245	100	0.1399932	200	0.1360226
1,2,4,5-Tetramethylbenzene	5	1.9485	10	1.652409	20	2.121112	50	2.148697	100	2.157335	200	2.027662
1,2,4-Trichlorobenzene	5	0.4895964	10	0.587851	20	0.623481	50	0.5554386	100	0.5746037	200	0.5356966
1,2,4-Trimethylbenzene	5	1.723202	10	2.072662	20	2.198166	50	2.061118	100	2.249607	200	2.182699
1,2-Dibromo-3-chloropropa ne	5	6.258649E-02	10	8.533517E-02	20	9.327578E-02	50	9.063323E-02	100	9.091439E-02	200	7.864813E-02
1,2-Dibromoethane	5	0.1270952	10	0.1578067	20	0.1691375	50	0.1556038	100	0.1605713	200	0.156617
1,2-Dichlorobenzene	5	0.7532385	10	0.9114092	20	0.907844	50	0.8449759	100	0.8760353	200	0.8460975
1,2-Dichloroethane	5	0.9403848	10	1.104983	20	1.188724	50	1.115103	100	1.214464	200	1.216854
1,2-Dichloropropane	5	0.1861455	10	0.2265128	20	0.2355953	50	0.2124714	100	0.2231052	200	0.2101627
1,3,5-Trimethylbenzene	5	1.665075	10	2.085793	20	2.1738	50	2.012971	100	2.122182	200	2.062637
1,3-Dichlorobenzene	5	0.7616149	10	0.9236629	20	0.9736377	50	0.9174704	100	1.014575	200	1.018623
1,3-Dichloropropane	5	0.2553927	10	0.303155	20	0.3188235	50	0.2947296	100	0.3073624	200	0.2936599
1,4-Dichlorobenzene	5	0.7969407	10	0.9419739	20	0.9650583	50	0.8775519	100	0.938032	200	0.9137161
1,4-Dioxane	100	1.333186E-03	200	1.784529E-03	400	1.478429E-03	1000	1.519126E-03	2000	1.408014E-03	4000	1.386457E-03
2,2-Dichloropropane	5	1.095402	10	1.297399	20	1.431105	50	1.329921	100	1.482621	200	1.483763
2-Butanone	5	5.716896E-02	10	5.382208E-02	20	5.409459E-02	50	5.076733E-02	100	5.328114E-02	200	5.459231E-02
2-Chlorotoluene	5	1.736049	10	2.012084	20	2.173661	50	2.006679	100	2.072599	200	1.982818
2-Hexanone	5	0.1014326	10	0.1187074	20	0.1357947	50	0.1327993	100	0.1340413	200	0.1192585
4-Chlorotoluene	5	1.607834	10	2.130116	20	2.22836	50	2.008601	100	2.102423	200	1.972909
4-Methyl-2-pentanone	5	0.1418487	10	0.1768939	20	0.1991333	50	0.1815167	100	0.184001	200	0.1663263
Acetone	5	0.3489291	10	0.3109211	20	0.2989614	50	0.2563082	100	0.26106	200	0.2154889

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20H1207

Client: Walden Associates

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Calibration: YH00003

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	5	6.677903E-02	10	8.695441E-02	20	0.0953168	50	7.951168E-02	100	3.769825E-02	200	4.177145E-02
Acrylonitrile	5	0.1516679	10	0.1771071	20	0.1974355	50	0.1759233	100	0.1933495	200	0.1837848
Benzene	5	2.47845	10	2.949056	20	3.175817	50	2.850897	100	3.120597	200	3.105734
Bromobenzene	5	0.7731828	10	0.9144697	20	0.9539665	50	0.8551938	100	0.8584083	200	0.7779288
Bromochloromethane	5	0.5813725	10	0.6868581	20	0.728028	50	0.6706467	100	0.7200899	200	0.6811234
Bromodichloromethane	5	0.2115191	10	0.2692906	20	0.2853668	50	0.2813659	100	0.3067053	200	0.2990897
Bromoform	5	3.995172E-02	10	5.926857E-02	20	6.843101E-02	50	7.718678E-02	100	9.220055E-02	200	9.995283E-02
Bromomethane	5	0.3503669	10	0.4167775	20	0.3193192	50	0.3574044	100	0.4289261	200	0.4438352
Carbon disulfide	5	1.680815	10	2.013337	20	2.045906	50	1.860886	100	2.267527	200	2.241964
Carbon tetrachloride	5	0.7308017	10	0.9001071	20	1.031248	50	0.9949013	100	1.212086	200	1.289812
Chlorobenzene	5	0.4597802	10	0.5698413	20	0.5858874	50	0.5423766	100	0.5971426	200	0.5986176
Chloroethane	5	0.4442653	10	0.5193547	20	0.4847529	50	0.5118538	100	0.5849816	200	0.5438104
Chloroform	5	1.224701	10	1.429128	20	1.509023	50	1.419694	100	1.522335	200	1.517405
Chloromethane	5	1.011696	10	1.073135	20	0.7567125	50	0.8630933	100	1.106765	200	1.034856
cis-1,2-Dichloroethylene	5	1.135516	10	1.373519	20	1.455889	50	1.322038	100	1.441985	200	1.412106
cis-1,3-Dichloropropylene	5	0.272262	10	0.3324212	20	0.3609055	50	0.3449663	100	0.3728775	200	0.3589148
Cyclohexane	5	1.42036	10	1.202547	20	1.531995	50	1.445989	100	1.53311	200	1.493775
Dibromochloromethane	5	0.1070419	10	0.137289	20	0.1562485	50	0.1621022	100	0.1823609	200	0.1866753
Dibromomethane	5	9.428028E-02	10	0.1177904	20	0.1214085	50	0.113303	100	0.1185849	200	0.1135865
Dichlorodifluoromethane	5	0.5523421	10	0.6097769	20	0.2837134	50	0.3946559	100	0.6657358	200	0.6298525
Ethyl Benzene	5	0.8941094	10	1.112594	20	1.169193	50	1.098102	100	1.261069	200	1.297626
Hexachlorobutadiene	5	0.277572	10	0.3465035	20	0.359985	50	0.3330677	100	0.3547774	200	0.3348169
Isopropylbenzene	5	2.004023	10	2.459417	20	2.552814	50	2.335391	100	2.404724	200	2.267107
Methyl acetate	5	0.6381592	10	0.469225	20	0.5726369	50	0.5006165	100	0.4934851	200	0.4586057
Methyl tert-butyl ether (MTBE)	5	1.590211	10	1.916043	20	2.012618	50	1.898216	100	2.051607	200	2.072017
Methylcyclohexane	5	0.384227	10	0.3360343	20	0.4196873	50	0.4017702	100	0.4129964	200	0.390581
Methylene chloride	5	0.8777556	10	1.067521	20	1.099262	50	1.00835	100	1.080168	200	1.042786
Naphthalene	5	1.340206	10	1.48667	20	1.514175	50	1.35225	100	1.287593	200	1.150603
n-Butylbenzene	5	2.292322	10	2.750959	20	2.938323	50	2.721028	100	2.841931	200	2.59853
n-Propylbenzene	5	2.566564	10	3.171519	20	3.314922	50	3.048652	100	3.192952	200	2.91674
o-Xylene	5	0.7227226	10	0.8863116	20	0.9339282	50	0.8827401	100	0.9893816	200	1.01532

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YH00003

SDG: 20H1207

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	10	0.7218479	20	0.894329	40	0.9470369	100	0.9078614	200	1.063323	400	0.9442139
p-Diethylbenzene	5	1.155557	10	1.044975	20	1.298439	50	1.248385	100	1.276886	200	1.186439
p-Ethyltoluene	5	2.309628	10	1.897764	20	2.459132	50	2.381991	100	2.409927	200	2.313631
p-Isopropyltoluene	5	1.842833	10	2.251248	20	2.421998	50	2.263491	100	2.523081	200	2.445026
sec-Butylbenzene	5	2.153496	10	2.653457	20	2.777813	50	2.519062	100	2.624684	200	2.494005
Styrene	5	0.500186	10	0.6077406	20	0.6471334	50	0.6127818	100	0.6813458	200	0.7070274
SURR: 1,2-Dichloroethane-d4	50	1.499607	50	1.49137	50	1.554773	50	1.558784	50	1.605505	50	1.660933
SURR: p-Bromofluorobenzene	50	1.226768	50	1.246306	50	1.218975	50	1.190716	50	1.094541	50	1.002336
SURR: Toluene-d8	50	1.357441	50	1.364453	50	1.35331	50	1.338403	50	1.33202	50	1.289434
tert-Butyl alcohol (TBA)	5	6.195579E-02	10	5.202531E-02	20	6.835316E-02	50	6.445556E-02	100	6.069702E-02	200	5.678363E-02
tert-Butylbenzene	5	1.444524	10	1.75138	20	1.81557	50	1.680431	100	1.760096	200	1.707006
Tetrachloroethylene	5	0.1671398	10	0.1982108	20	0.2050638	50	0.1867865	100	0.2111395	200	0.2111472
Toluene	5	0.8064034	10	0.9546927	20	0.9654347	50	0.8767375	100	0.9484391	200	0.9304364
trans-1,2-Dichloroethylene	5	0.9832115	10	1.156766	20	1.232976	50	1.086769	100	1.230818	200	1.196221
trans-1,3-Dichloropropylene	5	0.2312318	10	0.289025	20	0.3220946	50	0.314729	100	0.3479804	200	0.3386738
trans-1,4-dichloro-2-butene	5	0.423657	10	0.5152226	20	0.5513874	50	0.5224546	100	0.5392945	200	0.5046229
Trichloroethylene	5	0.1861197	10	0.2203294	20	0.2375604	50	0.2215866	100	0.2397422	200	0.2280716
Trichlorofluoromethane	5	1.50119	10	1.649196	20	1.581166	50	1.546845	100	1.779165	200	1.647864
Vinyl acetate	5	0.928081	10	0.9205273	20	1.048308	50	1.028366	100	1.130454	200	1.019048
Vinyl Chloride	5	0.8386055	10	0.9616822	20	0.7814487	50	0.8385594	100	1.060815	200	0.9935065

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, N

Calibration: YH00003 Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.1807482	21.83458	7.9725	2.797988E-02	0.99850		0.99	
1,1,1-Trichloroethane	1.35124	14.5208	4.274167	5.020336E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.3975603	8.891902	9.323167	2.773063E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.7931214	11.43841	2.2625	0.1557116			SPCC (0.1)	
1,1,2-Trichloroethane	0.1493515	6.280079	6.8965	3.368091E-02			SPCC (0.1)	
1,1-Dichloroethane	1.504345	8.702066	3.339333	2.776637E-02			SPCC (0.2)	
1,1-Dichloroethylene	1.291159	8.153604	2.284	1.494816E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.175567	9.887722	4.422	2.915497E-02			20	
1,2,3-Trichlorobenzene	0.4852821	8.956599	13.175	0.0200103			20	
1,2,3-Trichloropropane	0.1367891	7.528074	9.357167	1.991185E-02			20	
1,2,4,5-Tetramethylbenzene	2.009286	9.579791	11.6215	0.0239708			20	
1,2,4-Trichlorobenzene	0.5611112	8.197821	12.61617	6.061076E-03			SPCC (0.2)	
1,2,4-Trimethylbenzene	2.081242	9.141382	9.9645	3.371412E-02			20	
1,2-Dibromo-3-chloropropane	8.356553E-02	13.80768	11.72567	2.997389E-02			SPCC (0.05)	
1,2-Dibromoethane	0.1544719	9.240671	7.3945	2.773051E-02			SPCC (0.1)	
1,2-Dichlorobenzene	0.8566001	6.794409	10.8125	2.866794E-02			SPCC (0.4)	
1,2-Dichloroethane	1.130085	9.274709	4.6795	3.027175E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2156655	7.983183	5.447333	2.647044E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	2.02041	9.025519	9.552166	3.094544E-02			20	
1,3-Dichlorobenzene	0.9349307	10.18266	10.294	1.913159E-02			SPCC (0.6)	
1,3-Dichloropropane	0.2955205	7.345182	7.059	2.091709E-02			20	
1,4-Dichlorobenzene	0.9055455	6.729855	10.3965	2.572242E-02			SPCC (0.5)	
1,4-Dioxane	1.484957E-03	10.84229	5.6025	0.1248319			20	
2,2-Dichloropropane	1.353369	10.95866	3.830167	8.862664E-02			20	
2-Butanone	0.0539544	3.833313	3.904833	0.1168934			SPCC (0.1)	*
2-Chlorotoluene	1.997315	7.274109	9.462333	0.0291307			20	
2-Hexanone	0.1236723	10.70583	7.135167	3.244393E-02			SPCC (0.1)	
4-Chlorotoluene	2.008374	10.7658	9.586167	1.428081E-02			20	
4-Methyl-2-pentanone	0.1749533	11.09432	6.295	5.194219E-02			SPCC (0.1)	
Acetone	0.2819448	16.73086	2.392	6.558365E-02			SPCC (0.1)	
Acrolein	6.800527E-02	35.0801	2.2495	0.1124568	0.96493		0.99	*

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, N

Calibration: YH00003 Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	0.179878	9.046965	2.999	0.1086934			20	
Benzene	2.946759	8.80323	4.618833	4.188523E-02			SPCC (0.5)	
Bromobenzene	0.855525	8.424817	9.26	2.205387E-02			20	
Bromochloromethane	0.6780198	7.735338	4.0865	5.207596E-02			20	
Bromodichloromethane	0.2755562	12.35372	5.730333	1.635209E-02			SPCC (0.2)	
Bromoform	7.283191E-02	30.16965	8.7895	0.0525369	0.99885		SPCC (0.1)	
Bromomethane	0.3861049	13.03684	1.581	9.862432E-02			SPCC (0.1)	
Carbon disulfide	2.018406	11.11381	2.4705	6.580728E-02			SPCC (0.1)	
Carbon tetrachloride	1.026493	19.87965	4.411833	3.249648E-02			SPCC (0.1)	
Chlorobenzene	0.5589409	9.462193	7.8745	2.712907E-02			SPCC (0.5)	
Chloroethane	0.5148365	9.38565	1.655667	0.1191343			SPCC (0.1)	
Chloroform	1.437048	7.895396	4.158	2.990724E-02			SPCC (0.2)	
Chloromethane	0.9743763	13.92834	1.286667	0.5850693			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.356842	8.756923	3.86	6.341825E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3403912	10.62927	6.1465	2.387189E-02			SPCC (0.2)	
Cyclohexane	1.437963	8.619109	4.285833	4.476523E-02			SPCC (0.1)	
Dibromochloromethane	0.1552863	19.1404	7.2925	5.578256E-03			SPCC (0.1)	
Dibromomethane	0.1131589	8.61838	5.58	3.006772E-02			20	
Dichlorodifluoromethane	0.5226794	28.87779	1.1225	0.1466633		0.9883858	SPCC (0.1)	
Ethyl Benzene	1.138782	12.62286	7.971	1.637069E-02			SPCC (0.1)	
Hexachlorobutadiene	0.3344537	8.917553	12.77867	9.525456E-03			20	
Isopropylbenzene	2.337246	8.160895	8.907	2.048767E-02			SPCC (0.1)	
Methyl acetate	0.5221214	13.3056	2.654	7.312016E-02			SPCC (0.1)	
Methyl tert-butyl ether (MTBE)	1.923452	9.247394	2.942333	5.059261E-02			SPCC (0.1)	
Methylcyclohexane	0.3908827	7.666408	5.335167	3.009899E-02			SPCC (0.1)	
Methylene chloride	1.029307	7.836268	2.741667	5.453166E-02			SPCC (0.1)	
Naphthalene	1.35525	9.856672	12.89833	1.106623E-02			20	
n-Butylbenzene	2.690516	8.409069	10.771	2.715927E-02			20	
n-Propylbenzene	3.035225	8.785602	9.356	2.131341E-02			20	
o-Xylene	0.9050673	11.50333	8.5165	2.469201E-02			SPCC (0.3)	
p- & m- Xylenes	0.913102	12.16021	8.092167	1.092937E-02			SPCC (0.1)	
p-Diethylbenzene	1.20178	7.816032	10.74167	0.0311211			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, N
Calibration: YH00003
Instrument: QVOA4
Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
p-Ethyltoluene	2.295345	8.844561	9.482334	3.104672E-02			20	
p-Isopropyltoluene	2.291279	10.65366	10.3095	1.935123E-02			20	
sec-Butylbenzene	2.537086	8.425786	10.1435	1.537192E-02			20	
Styrene	0.6260358	11.60968	8.5485	1.522871E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.561829	4.112169	4.6085	3.596378E-02			20	
SURR: p-Bromofluorobenzene	1.163274	8.192062	9.104667	1.558246E-02			20	
SURR: Toluene-d8	1.339177	2.030909	6.369	1.571832E-02			20	
tert-Butyl alcohol (TBA)	6.071175E-02	9.457423	2.895667	8.744689E-02			20	
tert-Butylbenzene	1.693168	7.70186	9.904	3.691764E-02			20	
Tetrachloroethylene	0.1965813	8.696919	6.964	2.757865E-02			SPCC (0.2)	*
Toluene	0.9136906	6.697287	6.4345	3.469465E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.147794	8.481582	2.9525	3.420218E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.3072891	13.83244	6.709	0.0179689			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.5094398	8.881338	9.356834	3.147015E-02			20	
Trichloroethylene	0.222235	8.73414	5.2125	3.042349E-02			SPCC (0.2)	
Trichlorofluoromethane	1.617571	6.051045	1.842	1.848113E-02			SPCC (0.1)	
Vinyl acetate	1.012464	7.786542	3.3865	0.117511			20	
Vinyl Chloride	0.9124362	11.91335	1.336667	0.1120461			SPCC (0.1)	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	549424	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1937839	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	867919	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	823920	64.08	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 128.16%#				
54) Toluene-d8 (SURR)	6.369	98	2630503	52.60	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 105.20%				
73) p-Bromofluorobenzene (...	9.104	95	1064735	59.24	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 118.48%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	30347	8.53	ppb		100
3) Chloromethane	1.274	50	55585m	6.27	ppb		
4) Vinyl Chloride	1.336	62	46075	5.61	ppb		100
5) Bromomethane	1.580	94	19250	8.28	ppb		97
6) Allyl Chloride	2.615	76	18809	4.17	ppb	#	100
7) Chloroethane	1.655	64	24409	7.23	ppb		100
8) Trichlorofluoromethane	1.842	101	82479	7.62	ppb		98
9) Ethanol	2.095	45	21151	361.70	ppb		82
10) Freon-113	2.256	101	41447	5.82	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	60941	5.37	ppb		87
12) Acrolein	2.245	56	3669m	6.67	ppb		
13) Acetone	2.393	43	19171	7.40	ppb	#	43
14) Iodomethane	2.429	142	27116m	2.74	ppb		
15) Methyl Acetate	2.654	43	35062m	6.64	ppb		
16) Carbon disulfide	2.471	76	92348	3.95	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	3404m	5.56	ppb		
18) Methylene Chloride	2.741	49	48226	4.99	ppb		87
19) Acrylonitrile	3.005	53	8333m	4.17	ppb		
20) trans-1,2-Dichloroethy...	2.952	61	54020	4.88	ppb		92
21) tert-Butyl Methyl Ethe...	2.941	73	87370	4.87	ppb		99
22) 1,1-Dichloroethane	3.339	63	69489	4.80	ppb	#	97
23) Vinyl Acetate	3.392	43	50991m	5.38	ppb		
24) Diisopropyl ether (DIPE)	3.355	45	151079	5.72	ppb	#	86
25) Ethyl-tert-Butyl ether...	3.675	59	124793	5.50	ppb	#	79
26) cis-1,2-Dichloroethylene	3.856	61	62388	5.08	ppb		88
27) 2-Butanone	3.912	72	3141m	5.22	ppb		
28) 2,2-Dichloropropane	3.826	77	60184	5.07	ppb	#	93
29) Tetrahydrofuran	4.126	42	8305m	4.21	ppb		
30) Bromochloromethane	4.090	49	31942	5.19	ppb	#	74
31) Chloroform	4.157	83	67288	5.26	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	55404	4.98	ppb		100
33) Cyclohexane	4.285	56	78038	5.22	ppb		86
34) 1,1-Dichloropropylene	4.421	75	53947	4.80	ppb		72
36) Carbon Tetrachloride	4.413	117	40152m	4.85	ppb		
37) tert-Amyl alcohol (TAA)	4.699	59	25350m	48.16	ppb		
38) 1,2-Dichloroethane	4.680	62	51667m	6.26	ppb		
39) Benzene	4.621	78	136172	4.29	ppb	#	1
40) tert-Amyl methyl ether...	4.699	73	112464	5.14	ppb	#	91
42) Trichloroethylene	5.211	95	36067	4.99	ppb		79
43) Methyl Cyclohexane	5.336	83	74457	5.38	ppb	#	68
44) Methyl Methacrylate	5.553	69	16638	4.42	ppb	#	82
45) Dibromomethane	5.581	93	18270	5.26	ppb	#	65
46) Bromodichloromethane	5.731	83	40989	5.52	ppb	#	96
47) 1,2-Dichloropropane	5.448	63	36072	5.13	ppb	#	95
48) 1,4-Dioxane	5.609	88	5167m	97.61	ppb		
49) 2-Chloroethyl vinyl ether	6.012	63	17300	5.84	ppb		95
50) 2-nitropropane	5.974	43	1934m	16.59	ppb		
51) cis-1,3-Dichloropropene	6.149	75	52760	4.95	ppb	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

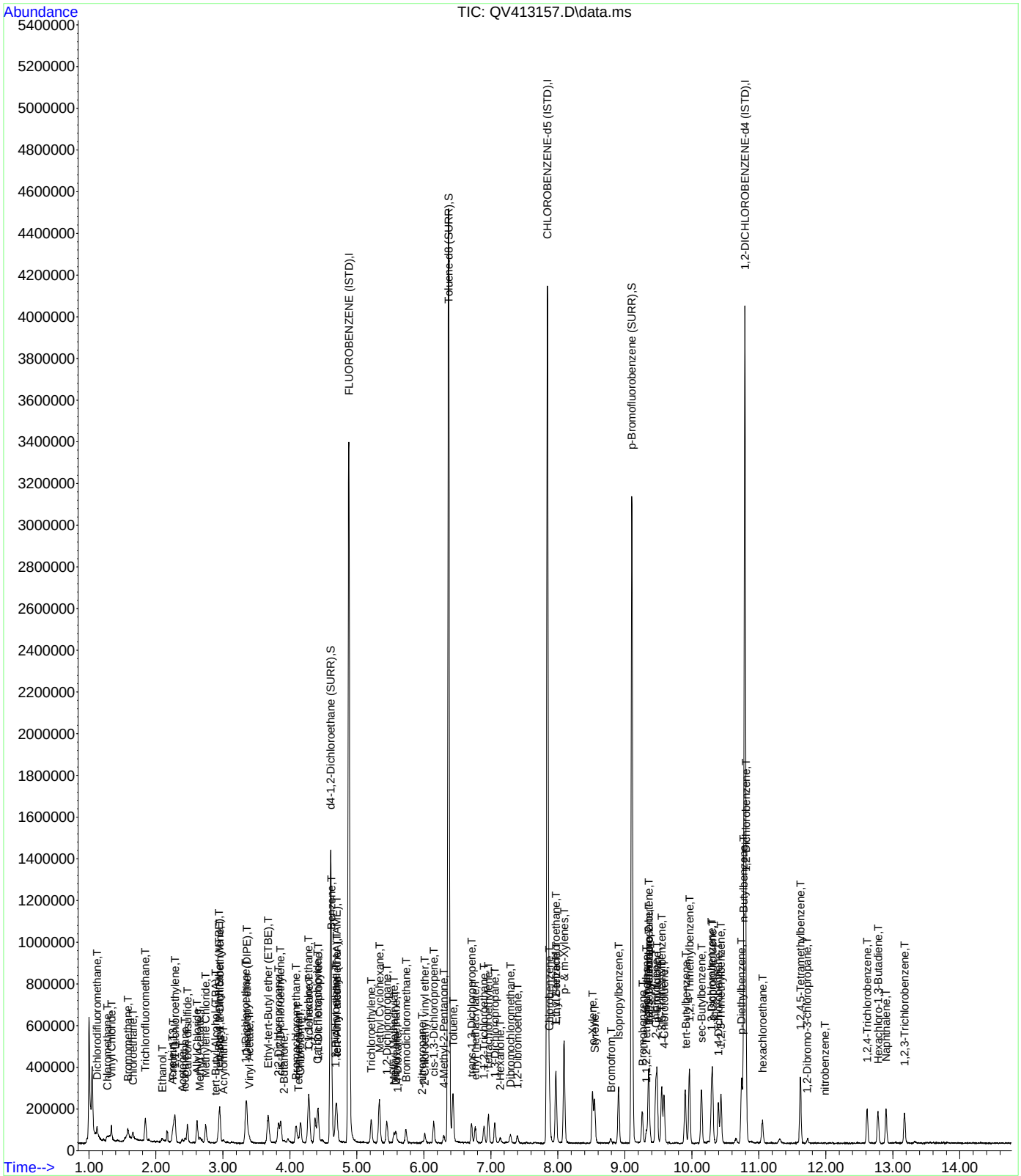
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.766	69	32958	4.60	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	27488	5.14	ppb	#	89
55) Toluene	6.438	91	156268	4.66	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	44809	4.94	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	25806	5.13	ppb	#	81
58) 1,3-Dichloropropane	7.061	76	49491	5.33	ppb	#	88
59) Tetrachloroethylene	6.961	166	32389	4.37	ppb		92
60) 2-Hexanone	7.139	43	19656	5.13	ppb	#	72
61) Dibromochloromethane	7.292	129	20743m	4.54	ppb		
62) 1,2-Dibromoethane	7.395	107	24629	4.80	ppb		96
63) Chlorobenzene	7.874	112	89098	4.56	ppb	#	30
64) 1,1,1,2-tetrachloroethane	7.968	131	24272m	4.43	ppb		
65) Ethyl Benzene	7.971	91	173264	4.89	ppb		94
66) p- & m-Xylenes	8.094	91	279765	10.31	ppb		91
67) o-Xylene	8.516	91	140052	4.99	ppb		97
68) Styrene	8.550	104	96928	4.56	ppb	#	100
69) Bromofrom	8.795	173	7742	4.42	ppb		97
71) p-Ethyltoluene	9.479	105	200457	6.07	ppb	#	97
72) Isopropylbenzene	8.906	105	173933	5.20	ppb	#	93
74) 1,1,2,2-Tetrachloroethane	9.321	83	31036	5.20	ppb	#	100
75) Bromobenzene	9.262	77	67106	5.75	ppb	#	71
76) trans-1,4-Dichloro-2-b...	9.357	75	36770	5.21	ppb	#	47
77) 1,2,3-Trichloropropane	9.357	110	10125	5.59	ppb		92
78) n-Propylbenzene	9.354	91	222757	5.33	ppb		95
79) 2-Chlorotoluene	9.460	91	150675	5.59	ppb		97
80) 4-Chlorotoluene	9.585	91	139547	5.08	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	144515	5.11	ppb		91
82) tert-Butylbenzene	9.908	119	125373	5.08	ppb	#	82
83) 1,2,4-Trimethylbenzene	9.963	105	149560	5.28	ppb		84
84) sec-Butylbenzene	10.141	105	186906	5.14	ppb		93
85) hexachloroethane	11.054	117	12071	4.34	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	66102	4.42	ppb	#	84
87) p-Isopropyltoluene	10.308	119	159943	4.94	ppb	#	91
88) 1,4-Dichlorobenzene	10.397	146	69168	4.72	ppb	#	87
89) 1,2,3-Trimethylbenzene	10.433	105	132964m	5.20	ppb		
90) nitrobenzene	11.986	77	554m	16.80	ppb		
91) p-Diethylbenzene	10.740	105	100293	5.80	ppb		86
92) 1,2-Dichlorobenzene	10.809	146	65375	4.76	ppb	#	87
93) n-Butylbenzene	10.770	91	198955m	5.51	ppb		
94) 1,2-Dibromo-3-chloropr...	11.722	75	5432m	5.43	ppb		
95) 1,2,4,5-Tetramethylben...	11.621	119	169114	5.90	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	42493	4.56	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	24091	4.66	ppb	#	74
98) Naphthalene	12.899	128	116319	5.15	ppb		99
99) 1,2,3-Trichlorobenzene	13.177	180	36994	4.57	ppb		81

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	556556	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1908347	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	860958	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	830031	63.73	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 127.46%#				
54) Toluene-d8 (SURR)	6.369	98	2603850	52.88	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 105.76%				
73) p-Bromofluorobenzene (...	9.103	95	1073017	60.18	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 120.36%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	67875	18.09	ppb		99
3) Chloromethane	1.291	50	119452m	13.29	ppb		
4) Vinyl Chloride	1.335	62	107046	12.86	ppb		100
5) Bromomethane	1.580	94	46392	19.70	ppb		97
6) Allyl Chloride	2.615	76	42603	9.31	ppb	#	100
7) Chloroethane	1.655	64	57810	16.89	ppb		99
8) Trichlorofluoromethane	1.842	101	183574	16.75	ppb		97
9) Ethanol	2.092	45	33025m	557.53	ppb		
10) Freon-113	2.262	101	70428	9.77	ppb	#	91
11) 1,1-Dichloroethylene	2.284	61	146825	12.78	ppb		84
12) Acrolein	2.251	56	9679	17.37	ppb		82
13) Acetone	2.393	43	34609	13.20	ppb	#	42
14) Iodomethane	2.434	142	62642	6.24	ppb	#	20
15) Methyl Acetate	2.657	43	52230	9.76	ppb		94
16) Carbon disulfide	2.471	76	224107	9.46	ppb		100
17) tert-Butyl Alcohol (TBA)	2.899	59	5791m	9.34	ppb		
18) Methylene Chloride	2.743	49	118827	12.14	ppb		86
19) Acrylonitrile	2.999	53	19714	9.74	ppb	#	63
20) trans-1,2-Dichloroethy...	2.952	61	128761	11.49	ppb		90
21) tert-Butyl Methyl Ethe...	2.944	73	213277	11.75	ppb	#	86
22) 1,1-Dichloroethane	3.339	63	167418	11.42	ppb	#	100
23) Vinyl Acetate	3.389	43	102465m	10.68	ppb		
24) Diisopropyl ether (DIPE)	3.355	45	302762	11.31	ppb	#	88
25) Ethyl-tert-Butyl ether...	3.672	59	259529	11.30	ppb	#	79
26) cis-1,2-Dichloroethylene	3.859	61	152888	12.30	ppb		88
27) 2-Butanone	3.909	72	5991m	9.83	ppb		
28) 2,2-Dichloropropane	3.828	77	144415	12.00	ppb	#	77
29) Tetrahydrofuran	4.129	42	22580	11.29	ppb	#	73
30) Bromochloromethane	4.087	49	76455	12.27	ppb	#	82
31) Chloroform	4.157	83	159078	12.29	ppb		100
32) 1,1,1-Trichloroethane	4.273	97	144204	12.79	ppb	#	85
33) Cyclohexane	4.282	56	133857	8.83	ppb		88
34) 1,1-Dichloropropylene	4.424	75	128331	11.27	ppb	#	73
36) Carbon Tetrachloride	4.410	117	100192	11.95	ppb		100
37) tert-Amyl alcohol (TAA)	4.696	59	51384m	96.37	ppb		
38) 1,2-Dichloroethane	4.677	62	122997	14.70	ppb		98
39) Benzene	4.616	78	328263	10.20	ppb	#	15
40) tert-Amyl methyl ether...	4.694	73	228851	10.33	ppb	#	90
42) Trichloroethylene	5.211	95	84093	11.81	ppb		83
43) Methyl Cyclohexane	5.333	83	128254	9.42	ppb	#	73
44) Methyl Methacrylate	5.553	69	43633	11.76	ppb	#	87
45) Dibromomethane	5.578	93	44957	13.15	ppb		91
46) Bromodichloromethane	5.729	83	102780	14.07	ppb		97
47) 1,2-Dichloropropane	5.448	63	86453	12.49	ppb	#	97
48) 1,4-Dioxane	5.612	88	13622m	261.31	ppb		
49) 2-Chloroethyl vinyl ether	6.010	63	30859	10.57	ppb	#	92
50) 2-nitropropane	5.979	43	5411m	37.19	ppb		
51) cis-1,3-Dichloropropene	6.146	75	126875	12.09	ppb		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

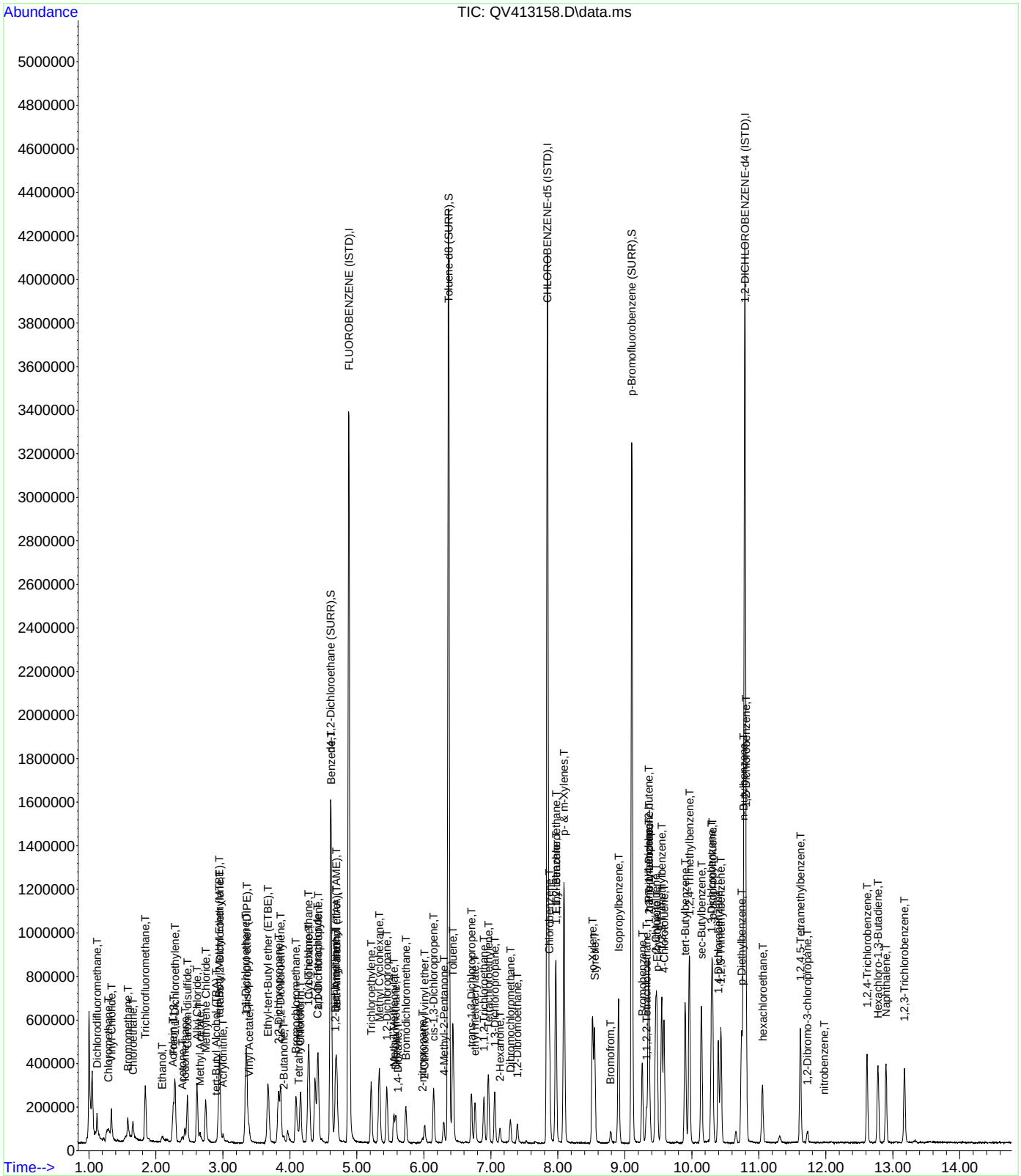
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.761	69	81661	11.58	ppb	#	100
53) 4-Methyl-2-Pentanone	6.299	43	67515	12.81	ppb	#	81
55) Toluene	6.432	91	364377	11.03	ppb		98
56) trans-1,3-Dichloropropene	6.708	75	110312	12.34	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	58061	11.72	ppb		89
58) 1,3-Dichloropropane	7.059	76	115705	12.64	ppb	#	89
59) Tetrachloroethylene	6.964	166	75651	10.37	ppb	#	78
60) 2-Hexanone	7.136	43	45307	12.00	ppb		91
61) Dibromochloromethane	7.292	129	52399	11.65	ppb		95
62) 1,2-Dibromoethane	7.392	107	60230	11.91	ppb		96
63) Chlorobenzene	7.871	112	217491	11.31	ppb	#	74
64) 1,1,1,2-tetrachloroethane	7.974	131	60187	11.15	ppb	#	33
65) Ethyl Benzene	7.971	91	424643	12.17	ppb		94
66) p- & m-Xylenes	8.091	91	682676	25.55	ppb		90
67) o-Xylene	8.516	91	338278	12.23	ppb		96
68) Styrene	8.547	104	231956	11.08	ppb	#	100
69) Bromofrom	8.783	173	22621	12.58	ppb		98
71) p-Ethyltoluene	9.482	105	326779	9.97	ppb	#	97
72) Isopropylbenzene	8.906	105	423491	12.75	ppb	#	91
74) 1,1,2,2-Tetrachloroethane	9.323	83	72307	12.22	ppb	#	100
75) Bromobenzene	9.259	77	157464	13.61	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.354	75	88717	12.66	ppb	#	40
77) 1,2,3-Trichloropropane	9.359	110	24470	13.62	ppb		88
78) n-Propylbenzene	9.357	91	546109	13.17	ppb		94
79) 2-Chlorotoluene	9.460	91	346464	12.95	ppb		97
80) 4-Chlorotoluene	9.585	91	366788	13.46	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	359156m	12.81	ppb		
82) tert-Butylbenzene	9.899	119	301573	12.33	ppb		81
83) 1,2,4-Trimethylbenzene	9.966	105	356895	12.71	ppb		86
84) sec-Butylbenzene	10.144	105	456903	12.66	ppb		93
85) hexachloroethane	11.057	117	35692	12.46	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	159047	10.73	ppb	#	86
87) p-Isopropyltoluene	10.308	119	387646	12.07	ppb	#	92
88) 1,4-Dichlorobenzene	10.394	146	162200	11.15	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.431	105	305623	12.05	ppb	#	92
90) nitrobenzene	11.975	77	1037m	30.31	ppb		
91) p-Diethylbenzene	10.742	105	179936	10.48	ppb	#	21
92) 1,2-Dichlorobenzene	10.809	146	156937	11.53	ppb	#	93
93) n-Butylbenzene	10.770	91	473692m	13.23	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	14694	14.82	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.621	119	284531	10.00	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	101223	10.94	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.776	225	59665	11.62	ppb	#	73
98) Naphthalene	12.898	128	255992	11.42	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	90848	11.31	ppb		77

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	523019	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1843426	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	848827	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	813176	66.43	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 132.86%#				
54) Toluene-d8 (SURR)	6.369	98	2494726	52.44	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 104.88%				
73) p-Bromofluorobenzene (...	9.106	95	1034699	58.86	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 117.72%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	59355m	16.92	ppb		
3) Chloromethane	1.283	50	158310	18.74	ppb	#	54
4) Vinyl Chloride	1.338	62	163485	20.90	ppb		99
5) Bromomethane	1.580	94	66804	30.19	ppb		99
6) Allyl Chloride	2.615	76	85328	19.85	ppb	#	100
7) Chloroethane	1.653	64	101414	31.54	ppb		99
8) Trichlorofluoromethane	1.842	101	330792	32.12	ppb		97
9) Ethanol	2.101	45	83826m	1505.89	ppb		
10) Freon-113	2.265	101	186271	27.48	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	290277	26.88	ppb		91
12) Acrolein	2.248	56	19941	38.08	ppb		93
13) Acetone	2.390	43	62545	25.38	ppb	#	21
14) Iodomethane	2.432	142	139593	14.79	ppb	#	20
15) Methyl Acetate	2.651	43	119800	23.83	ppb		95
16) Carbon disulfide	2.468	76	428019	19.22	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	14300	24.53	ppb	#	1
18) Methylene Chloride	2.743	49	229974	25.00	ppb		87
19) Acrylonitrile	2.999	53	41305	21.71	ppb	#	64
20) trans-1,2-Dichloroethy...	2.952	61	257948	24.49	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	421055	24.68	ppb		99
22) 1,1-Dichloroethane	3.339	63	333893	24.24	ppb	#	96
23) Vinyl Acetate	3.383	43	219314	24.32	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	533707	21.22	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.675	59	464141	21.51	ppb	#	96
26) cis-1,2-Dichloroethylene	3.859	61	304583	26.07	ppb		89
27) 2-Butanone	3.903	72	11317m	19.76	ppb		
28) 2,2-Dichloropropane	3.834	77	299398	26.47	ppb	#	85
29) Tetrahydrofuran	4.126	42	46900m	24.95	ppb		
30) Bromochloromethane	4.084	49	152309	26.01	ppb		81
31) Chloroform	4.157	83	315699	25.95	ppb		99
32) 1,1,1-Trichloroethane	4.271	97	299203	28.24	ppb		99
33) Cyclohexane	4.287	56	320505	22.51	ppb		87
34) 1,1-Dichloropropylene	4.421	75	261117	24.40	ppb		77
36) Carbon Tetrachloride	4.413	117	215745	27.39	ppb		99
37) tert-Amyl alcohol (TAA)	4.694	59	98067	195.73	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	248690	31.64	ppb		99
39) Benzene	4.619	78	664405	21.97	ppb	#	61
40) tert-Amyl methyl ether...	4.696	73	414434	19.91	ppb		97
42) Trichloroethylene	5.214	95	175170	25.46	ppb		81
43) Methyl Cyclohexane	5.334	83	309465	23.52	ppb	#	73
44) Methyl Methacrylate	5.553	69	87712	24.47	ppb	#	81
45) Dibromomethane	5.581	93	89523	27.11	ppb		90
46) Bromodichloromethane	5.729	83	210421	29.81	ppb		99
47) 1,2-Dichloropropane	5.448	63	173721	25.99	ppb	#	81
48) 1,4-Dioxane	5.603	88	21803	432.98	ppb		87
49) 2-Chloroethyl vinyl ether	6.007	63	79967	28.36	ppb		97
50) 2-nitropropane	5.973	43	6652	44.17	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	266121	26.24	ppb		88

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

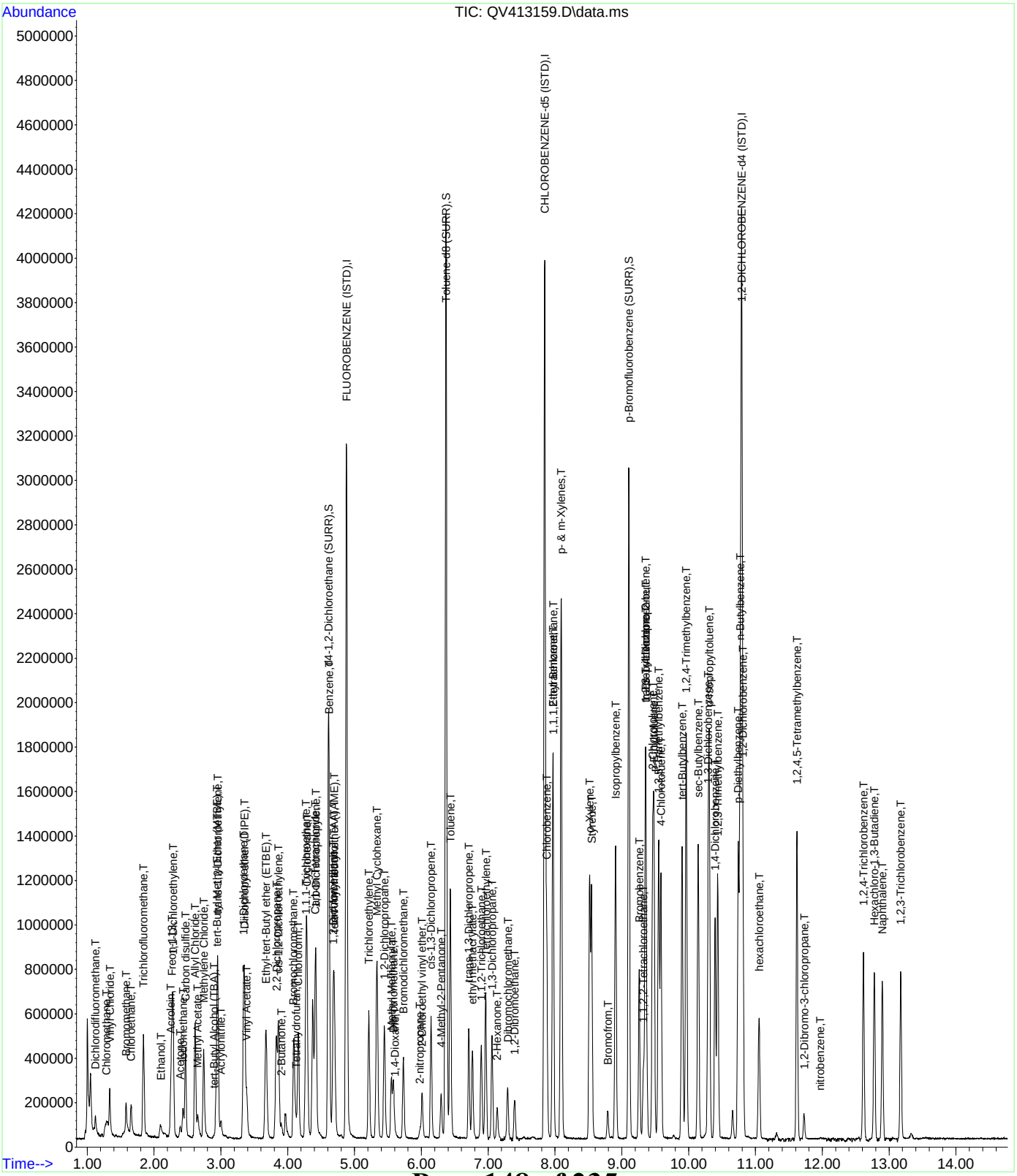
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.764	69	176787	25.94	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	146835	28.85	ppb	#	85
55) Toluene	6.435	91	711883	22.32	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	237503	27.51	ppb		97
57) 1,1,2-Trichloroethane	6.900	97	118530	24.76	ppb		91
58) 1,3-Dichloropropane	7.059	76	235091	26.60	ppb	#	88
59) Tetrachloroethylene	6.967	166	151208	21.45	ppb		92
60) 2-Hexanone	7.134	43	100131	27.47	ppb	#	87
61) Dibromochloromethane	7.295	129	115213	26.51	ppb		97
62) 1,2-Dibromoethane	7.392	107	124717	25.54	ppb		98
63) Chlorobenzene	7.874	112	432016	23.26	ppb	#	85
64) 1,1,1,2-tetrachloroethane	7.974	131	127653	24.48	ppb	#	53
65) Ethyl Benzene	7.968	91	862128	25.58	ppb		93
66) p- & m-Xylenes	8.091	91	1396634	54.11	ppb		90
67) o-Xylene	8.516	91	688651	25.78	ppb		96
68) Styrene	8.547	104	477177	23.59	ppb	#	100
69) Bromofrom	8.792	173	50459	27.11	ppb		99
71) p-Ethyltoluene	9.482	105	834951	25.83	ppb	#	97
72) Isopropylbenzene	8.906	105	866759	26.47	ppb		92
74) 1,1,2,2-Tetrachloroethane	9.320	83	150568	25.80	ppb	#	100
75) Bromobenzene	9.259	77	323901	28.39	ppb	#	72
76) trans-1,4-Dichloro-2-b...	9.357	75	187213	27.11	ppb	#	43
77) 1,2,3-Trichloropropane	9.357	110	49275	27.82	ppb		89
78) n-Propylbenzene	9.354	91	1125518	27.53	ppb		94
79) 2-Chlorotoluene	9.462	91	738025	27.99	ppb		97
80) 4-Chlorotoluene	9.585	91	756597	28.17	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	738072m	26.70	ppb		
82) tert-Butylbenzene	9.902	119	616442	25.56	ppb		82
83) 1,2,4-Trimethylbenzene	9.960	105	746345	26.96	ppb		87
84) sec-Butylbenzene	10.141	105	943153	26.51	ppb		93
85) hexachloroethane	11.054	117	85757	28.27	ppb	#	100
86) 1,3-Dichlorobenzene	10.291	146	330580	22.63	ppb	#	87
87) p-Isopropyltoluene	10.308	119	822343	25.97	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	327667	22.86	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	690302m	27.60	ppb		
90) nitrobenzene	11.966	77	1970m	54.22	ppb		
91) p-Diethylbenzene	10.739	105	440860	26.05	ppb	#	20
92) 1,2-Dichlorobenzene	10.812	146	308241m	22.96	ppb		
93) n-Butylbenzene	10.770	91	997651m	28.26	ppb		
94) 1,2-Dibromo-3-chloropr...	11.730	75	31670m	32.40	ppb		
95) 1,2,4,5-Tetramethylben...	11.621	119	720183	25.67	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	211691	23.20	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.776	225	122226	24.15	ppb	#	77
98) Naphthalene	12.896	128	514109	23.26	ppb		100
99) 1,2,3-Trichlorobenzene	13.174	180	182443	23.03	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	533670	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1885854	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	892068	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	831876	66.61	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 133.22%#				
54) Toluene-d8 (SURR)	6.368	98	2524032	51.87	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.74%				
73) p-Bromofluorobenzene (...	9.103	95	1062200	57.50	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 115.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	210616m	51.41	ppb		
3) Chloromethane	1.288	50	460607	53.45	ppb	#	72
4) Vinyl Chloride	1.335	62	447514	56.07	ppb		99
5) Bromomethane	1.580	94	190736	84.47	ppb		93
6) Allyl Chloride	2.612	76	202842	46.24	ppb	#	100
7) Chloroethane	1.655	64	273161	83.25	ppb		99
8) Trichlorofluoromethane	1.842	101	825505	78.55	ppb		97
9) Ethanol	2.095	45	184843	3254.33	ppb		82
10) Freon-113	2.265	101	432539	62.55	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	655523	59.48	ppb		90
12) Acrolein	2.251	56	42433	79.41	ppb		96
13) Acetone	2.390	43	136784	54.39	ppb	#	21
14) Iodomethane	2.434	142	364335	37.84	ppb	#	20
15) Methyl Acetate	2.654	43	267164	52.09	ppb		95
16) Carbon disulfide	2.470	76	993099	43.71	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	34398	57.83	ppb	#	1
18) Methylene Chloride	2.740	49	538126	57.33	ppb		86
19) Acrylonitrile	2.996	53	93885	48.36	ppb	#	88
20) trans-1,2-Dichloroethy...	2.952	61	579976	53.96	ppb		91
21) tert-Butyl Methyl Ethe...	2.943	73	1013021	58.19	ppb		99
22) 1,1-Dichloroethane	3.339	63	780541	55.54	ppb	#	99
23) Vinyl Acetate	3.389	43	548808	59.64	ppb		100
24) Diisopropyl ether (DIPE)	3.352	45	1558655	60.72	ppb		96
25) Ethyl-tert-Butyl ether...	3.672	59	1363843	61.93	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	705532	59.19	ppb		89
27) 2-Butanone	3.901	72	27093	46.37	ppb	#	1
28) 2,2-Dichloropropane	3.828	77	709739	61.50	ppb		96
29) Tetrahydrofuran	4.123	42	109043	56.86	ppb		76
30) Bromochloromethane	4.087	49	357904	59.90	ppb	#	67
31) Chloroform	4.159	83	757648	61.02	ppb	#	72
32) 1,1,1-Trichloroethane	4.273	97	702005	64.93	ppb	#	85
33) Cyclohexane	4.287	56	771681	53.11	ppb		87
34) 1,1-Dichloropropylene	4.421	75	595667	54.55	ppb		82
36) Carbon Tetrachloride	4.410	117	530949	66.06	ppb	#	92
37) tert-Amyl alcohol (TAA)	4.685	59	299529	585.88	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	595097	74.19	ppb		99
39) Benzene	4.618	78	1521438	49.30	ppb	#	84
40) tert-Amyl methyl ether...	4.696	73	1241464	58.46	ppb	#	92
42) Trichloroethylene	5.211	95	417880	59.38	ppb		79
43) Methyl Cyclohexane	5.336	83	757680	56.29	ppb	#	73
44) Methyl Methacrylate	5.550	69	217481	59.30	ppb	#	96
45) Dibromomethane	5.581	93	213673	63.25	ppb	#	65
46) Bromodichloromethane	5.731	83	530615	73.49	ppb		98
47) 1,2-Dichloropropane	5.445	63	400690	58.60	ppb	#	81
48) 1,4-Dioxane	5.601	88	57297	1112.24	ppb		88
49) 2-Chloroethyl vinyl ether	6.010	63	198790	68.91	ppb		97
50) 2-nitropropane	5.982	43	24037m	101.07	ppb		
51) cis-1,3-Dichloropropene	6.146	75	650556	62.71	ppb		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

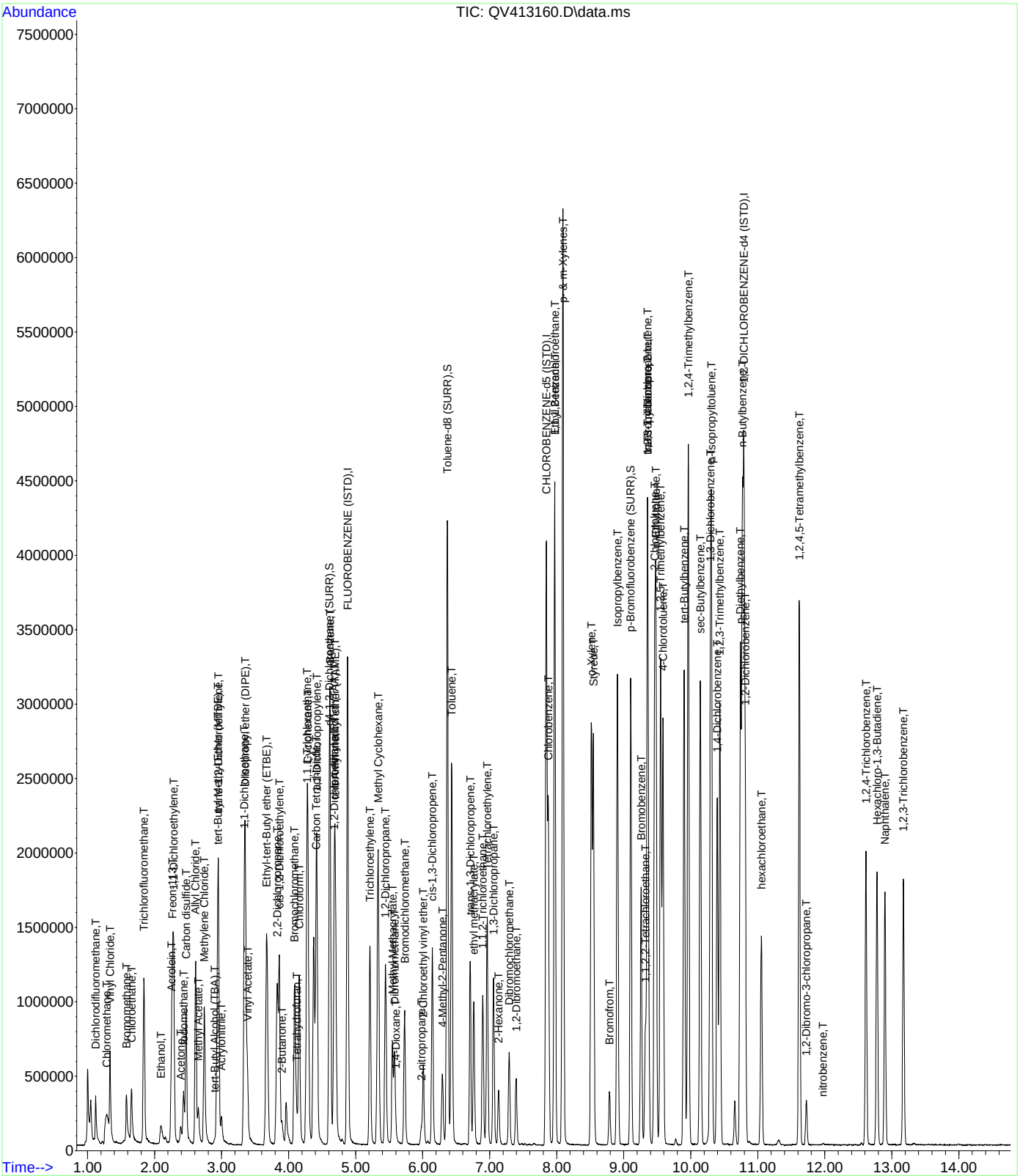
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.763	69	430456	61.75	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	342314	65.74	ppb	#	85
55) Toluene	6.432	91	1653399	50.67	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	593533	67.21	ppb		97
57) 1,1,2-Trichloroethane	6.894	97	276921	56.55	ppb		91
58) 1,3-Dichloropropane	7.058	76	555817	61.47	ppb	#	88
59) Tetrachloroethylene	6.964	166	352252	48.85	ppb	#	72
60) 2-Hexanone	7.134	43	250440	67.15	ppb		92
61) Dibromochloromethane	7.292	129	305701	68.76	ppb		97
62) 1,2-Dibromoethane	7.395	107	293446	58.74	ppb		99
63) Chlorobenzene	7.876	112	1022843	53.84	ppb	#	82
64) 1,1,1,2-tetrachloroethane	7.971	131	336233	63.03	ppb	#	53
65) Ethyl Benzene	7.971	91	2070860	60.06	ppb		94
66) p- & m-Xylenes	8.093	91	3424188	129.67	ppb		90
67) o-Xylene	8.516	91	1664719	60.92	ppb		96
68) Styrene	8.547	104	1155617	55.85	ppb	#	100
69) Bromofrom	8.786	173	145563	65.13	ppb	#	80
71) p-Ethyltoluene	9.482	105	2124898	62.55	ppb	#	97
72) Isopropylbenzene	8.906	105	2083328	60.54	ppb		92
74) 1,1,2,2-Tetrachloroethane	9.323	83	365197	59.55	ppb	#	100
75) Bromobenzene	9.259	77	762891	63.63	ppb	#	73
76) trans-1,4-Dichloro-2-b...	9.354	75	466065	64.21	ppb	#	53
77) 1,2,3-Trichloropropane	9.354	110	125625	67.49	ppb		92
78) n-Propylbenzene	9.357	91	2719605	63.29	ppb		94
79) 2-Chlorotoluene	9.462	91	1790094	64.60	ppb		97
80) 4-Chlorotoluene	9.585	91	1791809	63.48	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	1795707m	61.81	ppb		
82) tert-Butylbenzene	9.902	119	1499059	59.14	ppb		82
83) 1,2,4-Trimethylbenzene	9.963	105	1838657	63.21	ppb		87
84) sec-Butylbenzene	10.144	105	2247175	60.11	ppb		92
85) hexachloroethane	11.054	117	249619	67.02	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	818446	53.30	ppb	#	87
87) p-Isopropyltoluene	10.308	119	2019188	60.67	ppb		91
88) 1,4-Dichlorobenzene	10.397	146	782836	51.96	ppb	#	87
89) 1,2,3-Trimethylbenzene	10.433	105	1707250	64.95	ppb		92
90) nitrobenzene	11.969	77	4185m	97.10	ppb		
91) p-Diethylbenzene	10.739	105	1113644	62.62	ppb	#	22
92) 1,2-Dichlorobenzene	10.814	146	753776m	53.43	ppb		
93) n-Butylbenzene	10.770	91	2427342m	65.43	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	80851	78.70	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1916784	65.01	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	495489	51.68	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.781	225	297119	55.87	ppb	#	78
98) Naphthalene	12.898	128	1206299	51.93	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	435182	52.28	ppb		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	540529	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1935829	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1011578	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	867822	68.60	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 137.20%#				
54) Toluene-d8 (SURR)	6.368	98	2578562	51.62	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.24%				
73) p-Bromofluorobenzene (...	9.106	95	1107214	52.85	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 105.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	719699	133.40	ppb		100
3) Chloromethane	1.288	50	1196477	137.07	ppb	#	96
4) Vinyl Chloride	1.338	62	1146803	141.86	ppb		100
5) Bromomethane	1.583	94	463694	202.76	ppb		98
6) Allyl Chloride	2.612	76	463988	104.44	ppb	#	100
7) Chloroethane	1.658	64	632399	190.29	ppb		100
8) Trichlorofluoromethane	1.842	101	1923381	180.70	ppb		97
9) Ethanol	2.095	45	426413	7412.12	ppb		82
10) Freon-113	2.262	101	921625	131.58	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	1485424	133.08	ppb		92
12) Acrolein	2.251	56	40754	75.30	ppb		91
13) Acetone	2.393	43	282221	110.79	ppb	#	41
14) Iodomethane	2.434	142	871874	89.40	ppb	#	20
15) Methyl Acetate	2.654	43	533486	102.69	ppb		95
16) Carbon disulfide	2.470	76	2451328	106.53	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	65617	108.91	ppb	#	1
18) Methylene Chloride	2.743	49	1167724	122.83	ppb		86
19) Acrylonitrile	2.999	53	209022	106.31	ppb	#	90
20) trans-1,2-Dichloroethy...	2.952	61	1330586	122.23	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	2217906	125.79	ppb	#	92
22) 1,1-Dichloroethane	3.341	63	1736485	122.00	ppb	#	99
23) Vinyl Acetate	3.383	43	1222086	131.12	ppb		100
24) Diisopropyl ether (DIPE)	3.352	45	3208212	123.40	ppb		96
25) Ethyl-tert-Butyl ether...	3.672	59	2783527	124.80	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	1558869	129.12	ppb		89
27) 2-Butanone	3.903	72	57600	97.34	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	1602799	137.11	ppb		97
29) Tetrahydrofuran	4.120	42	235142	121.06	ppb		76
30) Bromochloromethane	4.084	49	778459	128.64	ppb		82
31) Chloroform	4.159	83	1645732	130.87	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	1626837	148.55	ppb	#	85
33) Cyclohexane	4.287	56	1657381	112.62	ppb		88
34) 1,1-Dichloropropylene	4.421	75	1388049	125.51	ppb		87
36) Carbon Tetrachloride	4.412	117	1310335	160.97	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	626132	1209.18	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	1312906	161.61	ppb		99
39) Benzene	4.621	78	3373546	107.93	ppb	#	94
40) tert-Amyl methyl ether...	4.694	73	2591957	120.52	ppb	#	90
42) Trichloroethylene	5.214	95	928200	128.49	ppb		80
43) Methyl Cyclohexane	5.336	83	1598981	115.73	ppb	#	73
44) Methyl Methacrylate	5.548	69	454857	120.83	ppb	#	81
45) Dibromomethane	5.578	93	459120	132.39	ppb		91
46) Bromodichloromethane	5.731	83	1187458	160.22	ppb		98
47) 1,2-Dichloropropane	5.447	63	863787	123.07	ppb	#	96
48) 1,4-Dioxane	5.595	88	109027	2061.78	ppb		83
49) 2-Chloroethyl vinyl ether	6.007	63	351044	118.54	ppb		97
50) 2-nitropropane	5.979	43	71336	189.12	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	1443654	135.56	ppb		88

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

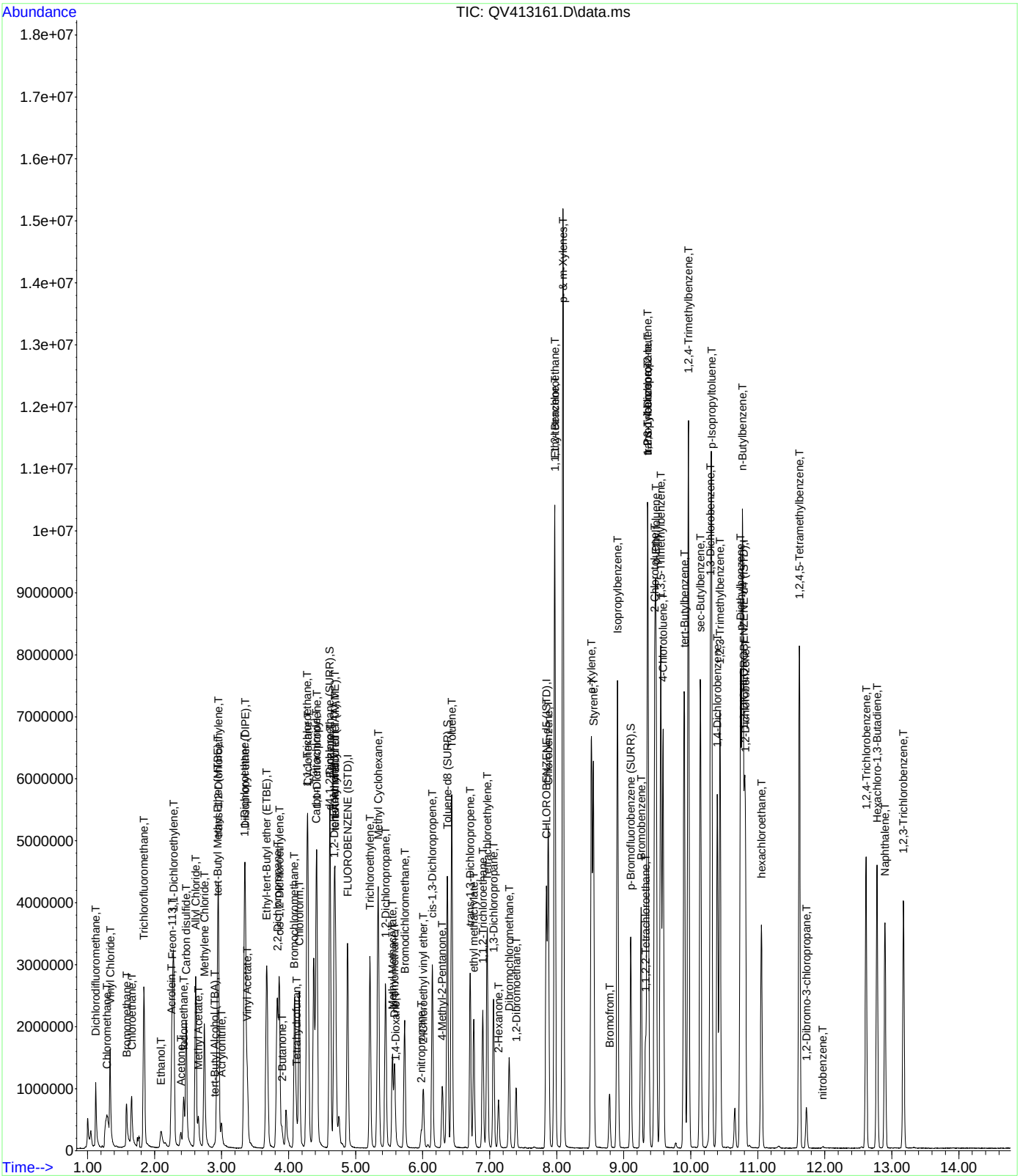
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.763	69	911549	127.38	ppb	#	100
53) 4-Methyl-2-Pentanone	6.290	43	712389	133.28	ppb		91
55) Toluene	6.435	91	3672032	109.62	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	1347261	148.61	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	600384	119.43	ppb		92
58) 1,3-Dichloropropane	7.058	76	1190002	128.20	ppb	#	89
59) Tetrachloroethylene	6.964	166	817460	110.43	ppb	#	78
60) 2-Hexanone	7.134	43	518962	135.55	ppb		91
61) Dibromochloromethane	7.292	129	706039	154.71	ppb		96
62) 1,2-Dibromoethane	7.398	107	621677	121.23	ppb		100
63) Chlorobenzene	7.876	112	2311932	118.56	ppb		86
64) 1,1,1,2-tetrachloroethane	7.974	131	834219	152.34	ppb	#	52
65) Ethyl Benzene	7.971	91	4882429	137.96	ppb		93
66) p- & m-Xylenes	8.093	91	8233649	303.76	ppb		90
67) o-Xylene	8.516	91	3830547	136.56	ppb		96
68) Styrene	8.550	104	2637938	124.19	ppb	#	100
69) Bromofrom	8.792	173	356969	125.84	ppb	#	81
71) p-Ethyltoluene	9.482	105	4875659	126.58	ppb	#	97
72) Isopropylbenzene	8.909	105	4865131	124.68	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.326	83	811192	116.66	ppb	#	100
75) Bromobenzene	9.259	77	1736694	127.74	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.357	75	1091077	132.56	ppb	#	50
77) 1,2,3-Trichloropropane	9.357	110	283228	134.19	ppb		87
78) n-Propylbenzene	9.357	91	6459840	132.56	ppb		94
79) 2-Chlorotoluene	9.462	91	4193191	133.44	ppb		97
80) 4-Chlorotoluene	9.587	91	4253529	132.89	ppb		81
81) 1,3,5-Trimethylbenzene	9.554	105	4293506m	130.33	ppb		
82) tert-Butylbenzene	9.905	119	3560949	123.89	ppb		83
83) 1,2,4-Trimethylbenzene	9.966	105	4551305	137.97	ppb		87
84) sec-Butylbenzene	10.144	105	5310146	125.26	ppb		93
85) hexachloroethane	11.054	117	683456	130.80	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	2052643	117.88	ppb	#	89
87) p-Isopropyltoluene	10.311	119	5104587	135.25	ppb		93
88) 1,4-Dichlorobenzene	10.397	146	1897785	111.08	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	3964306	132.99	ppb		92
90) nitrobenzene	11.966	77	8038m	145.66	ppb		
91) p-Diethylbenzene	10.742	105	2583340	128.10	ppb	#	21
92) 1,2-Dichlorobenzene	10.814	146	1772356	110.80	ppb	#	88
93) n-Butylbenzene	10.770	91	5749669m	136.67	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	183934	157.90	ppb	#	72
95) 1,2,4,5-Tetramethylben...	11.621	119	4364625	130.55	ppb		89
96) 1,2,4-Trichlorobenzene	12.617	180	1162513	106.92	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.781	225	717770	119.02	ppb	#	79
98) Naphthalene	12.898	128	2605002	98.90	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	982270	104.06	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.883	70	559479	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2092222	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.795	152	1201745	50.00	ppb		# 0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	929257	70.97	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 141.94%#				
54) Toluene-d8 (SURR)	6.371	98	2697782	49.97	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.94%				
73) p-Bromofluorobenzene (...	9.106	95	1204552	48.40	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 96.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	1409557	208.40	ppb		100
3) Chloromethane	1.296	50	2315920	256.34	ppb	#	96
4) Vinyl Chloride	1.338	62	2223384	265.71	ppb		100
5) Bromomethane	1.583	94	993266	419.61	ppb		99
6) Allyl Chloride	2.612	76	968549	210.63	ppb	#	100
7) Chloroethane	1.658	64	1217002	353.80	ppb		100
8) Trichlorofluoromethane	1.842	101	3687782	334.73	ppb		98
9) Ethanol	2.098	45	747086	12546.37	ppb		82
10) Freon-113	2.265	101	1831196	252.59	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	2973837	257.41	ppb		93
12) Acrolein	2.251	56	93481	166.87	ppb		94
13) Acetone	2.393	43	482246	182.90	ppb	#	41
14) Iodomethane	2.434	142	1769974	175.35	ppb	#	20
15) Methyl Acetate	2.654	43	1026321	190.86	ppb		96
16) Carbon disulfide	2.473	76	5017326	210.65	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	127077	203.78	ppb	#	1
18) Methylene Chloride	2.740	49	2333668	237.16	ppb		86
19) Acrylonitrile	2.996	53	411295	202.09	ppb		97
20) trans-1,2-Dichloroethy...	2.955	61	2677041	237.58	ppb	#	83
21) tert-Butyl Methyl Ethe...	2.944	73	4637000	254.08	ppb		99
22) 1,1-Dichloroethane	3.339	63	3563637	241.90	ppb	#	99
23) Vinyl Acetate	3.383	43	2280543	236.40	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	6606139	245.49	ppb		96
25) Ethyl-tert-Butyl ether...	3.675	59	5744961	248.84	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	3160175	252.88	ppb		89
27) 2-Butanone	3.901	72	122173	199.47	ppb	#	1
28) 2,2-Dichloropropane	3.834	77	3320537	274.44	ppb		98
29) Tetrahydrofuran	4.115	42	447162	222.41	ppb		75
30) Bromochloromethane	4.087	49	1524297	243.35	ppb		84
31) Chloroform	4.159	83	3395826	260.90	ppb	#	93
32) 1,1,1-Trichloroethane	4.276	97	3475657	306.63	ppb	#	85
33) Cyclohexane	4.287	56	3342942	219.47	ppb		90
34) 1,1-Dichloropropylene	4.424	75	2842933	248.36	ppb		92
36) Carbon Tetrachloride	4.413	117	2886492	342.59	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	1295779	2417.63	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	2723218	323.85	ppb	#	98
39) Benzene	4.618	78	6950372	214.82	ppb	#	98
40) tert-Amyl methyl ether...	4.696	73	5450147	244.83	ppb	#	90
42) Trichloroethylene	5.214	95	1908706	244.47	ppb		81
43) Methyl Cyclohexane	5.336	83	3268729	218.89	ppb	#	75
44) Methyl Methacrylate	5.551	69	931580	228.97	ppb	#	97
45) Dibromomethane	5.581	93	950593	253.62	ppb		92
46) Bromodichloromethane	5.731	83	2503048	312.49	ppb		98
47) 1,2-Dichloropropane	5.448	63	1758828	231.86	ppb	#	81
48) 1,4-Dioxane	5.595	88	232062	4060.42	ppb		86
49) 2-Chloroethyl vinyl ether	6.012	63	541300	169.13	ppb		97
50) 2-nitropropane	5.979	43	168531	292.40	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	3003718	260.97	ppb		89

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

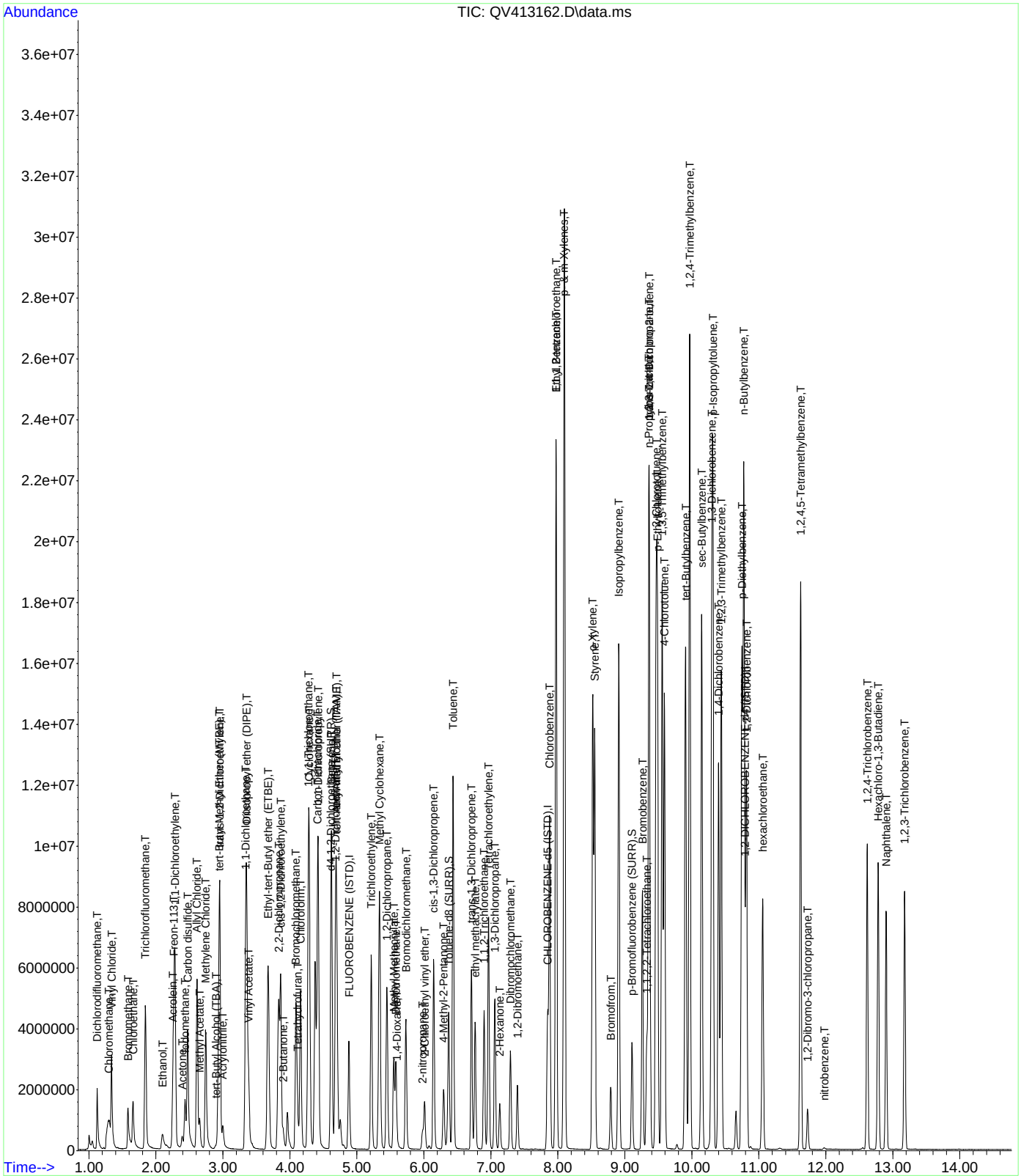
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.766	69	1869079	241.66	ppb	#	100
53) 4-Methyl-2-Pentanone	6.293	43	1391966	240.95	ppb		90
55) Toluene	6.435	91	7786718	215.07	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	2834323	289.28	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	1239905	228.22	ppb		93
58) 1,3-Dichloropropane	7.059	76	2457607	244.98	ppb	#	90
59) Tetrachloroethylene	6.964	166	1767067	220.87	ppb		93
60) 2-Hexanone	7.134	43	998061	241.21	ppb		92
61) Dibromochloromethane	7.292	129	1562265	316.74	ppb		97
62) 1,2-Dibromoethane	7.395	107	1310710	236.49	ppb		98
63) Chlorobenzene	7.876	112	5009764	237.70	ppb		89
64) 1,1,1,2-tetrachloroethane	7.974	131	1963863	331.82	ppb	#	52
65) Ethyl Benzene	7.974	91	10859690	283.91	ppb		94
66) p- & m-Xylenes	8.091	91	15804035m	539.47	ppb		
67) o-Xylene	8.519	91	8497097	280.27	ppb		96
68) Styrene	8.550	104	5917033	257.75	ppb	#	100
69) Bromofrom	8.789	173	836494	213.69	ppb	#	81
71) p-Ethyltoluene	9.487	105	11121575	243.04	ppb	#	97
72) Isopropylbenzene	8.909	105	10897936	235.08	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.326	83	1701930	206.02	ppb	#	100
75) Bromobenzene	9.262	77	3739488	231.53	ppb		76
76) trans-1,4-Dichloro-2-b...	9.362	75	2425712	248.08	ppb	#	55
77) 1,2,3-Trichloropropane	9.359	110	653858	260.77	ppb		92
78) n-Propylbenzene	9.357	91	14020707	242.19	ppb		96
79) 2-Chlorotoluene	9.468	91	9531367	255.32	ppb		97
80) 4-Chlorotoluene	9.590	91	9483736	249.40	ppb		81
81) 1,3,5-Trimethylbenzene	9.557	105	9915053m	253.35	ppb		
82) tert-Butylbenzene	9.908	119	8205546	240.30	ppb		85
83) 1,2,4-Trimethylbenzene	9.969	105	10492186	267.74	ppb		89
84) sec-Butylbenzene	10.147	105	11988631	238.04	ppb		94
85) hexachloroethane	11.057	117	1666586	214.52	ppb	#	100
86) 1,3-Dichlorobenzene	10.297	146	4896501	236.70	ppb	#	91
87) p-Isopropyltoluene	10.314	119	11753190	262.13	ppb		94
88) 1,4-Dichlorobenzene	10.400	146	4392215	216.40	ppb	#	91
89) 1,2,3-Trimethylbenzene	10.439	105	8700103	245.67	ppb		92
90) nitrobenzene	11.977	77	17440m	224.42	ppb		
91) p-Diethylbenzene	10.748	105	5703187	238.05	ppb	#	22
92) 1,2-Dichlorobenzene	10.817	146	4067174	214.02	ppb	#	88
93) n-Butylbenzene	10.776	91	12491077m	249.93	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	378060	273.19	ppb	#	71
95) 1,2,4,5-Tetramethylben...	11.624	119	9746929	245.40	ppb		90
96) 1,2,4-Trichlorobenzene	12.620	180	2575083	199.36	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	1609458	224.64	ppb		81
98) Naphthalene	12.901	128	5530926	176.76	ppb		98
99) 1,2,3-Trichlorobenzene	13.177	180	2149533	191.69	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20H1207

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	50.0	35.5	-28.9	30.00
1,1,1-Trichloroethane	50.0	46.7	-6.5	30.00
1,1,2,2-Tetrachloroethane	50.0	46.3	-7.5	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	49.7	-0.6	30.00
1,1,2-Trichloroethane	50.0	44.3	-11.5	30.00
1,1-Dichloroethane	50.0	45.1	-9.8	30.00
1,1-Dichloroethylene	50.0	48.2	-3.6	30.00
1,2,3-Trichlorobenzene	50.0	46.7	-6.7	30.00
1,2,3-Trichloropropane	50.0	44.0	-12.1	30.00
1,2,4-Trichlorobenzene	50.0	44.9	-10.3	30.00
1,2,4-Trimethylbenzene	50.0	43.6	-12.7	30.00
1,2-Dibromo-3-chloropropane	50.0	47.2	-5.5	30.00
1,2-Dibromoethane	50.0	45.6	-8.7	30.00
1,2-Dichlorobenzene	50.0	44.2	-11.6	30.00
1,2-Dichloroethane	50.0	45.2	-9.7	30.00
1,2-Dichloropropane	50.0	44.5	-11.0	30.00
1,3,5-Trimethylbenzene	50.0	45.4	-9.3	30.00
1,3-Dichlorobenzene	50.0	43.7	-12.6	30.00
1,4-Dichlorobenzene	50.0	43.4	-13.1	30.00
1,4-Dioxane	1050	1060	1.4	30.00
2-Butanone	50.0	52.2	4.4	30.00
2-Hexanone	50.0	46.6	-6.8	30.00
4-Methyl-2-pentanone	50.0	47.2	-5.6	30.00
Acetone	50.0	32.7	-34.6 *	30.00
Acrolein	50.0	37.2	-25.5	30.00
Acrylonitrile	50.0	48.7	-2.6	30.00
Benzene	50.0	46.4	-7.1	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20H1207

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Bromochloromethane	50.0	45.8	-8.5	30.00
Bromodichloromethane	50.0	46.2	-7.6	30.00
Bromoform	50.0	36.2	-27.7	30.00
Bromomethane	50.0	54.3	8.6	30.00
Carbon disulfide	50.0	51.2	2.4	30.00
Carbon tetrachloride	50.0	46.6	-6.7	30.00
Chlorobenzene	50.0	45.1	-9.8	30.00
Chloroethane	50.0	47.4	-5.3	30.00
Chloroform	50.0	45.5	-9.0	30.00
Chloromethane	50.0	59.3	18.6	30.00
cis-1,2-Dichloroethylene	50.0	45.2	-9.7	30.00
cis-1,3-Dichloropropylene	50.0	45.9	-8.2	30.00
Cyclohexane	50.0	49.3	-1.4	30.00
Dibromochloromethane	50.0	47.9	-4.2	30.00
Dibromomethane	50.0	44.4	-11.2	30.00
Dichlorodifluoromethane	50.0	49.6	-0.7	30.00
Ethyl Benzene	50.0	45.0	-10.0	30.00
Hexachlorobutadiene	50.0	48.0	-4.0	30.00
Isopropylbenzene	50.0	44.0	-11.9	30.00
Methyl acetate	50.0	44.9	-10.1	30.00
Methyl tert-butyl ether (MTBE)	50.0	48.1	-3.8	30.00
Methylcyclohexane	50.0	49.7	-0.7	30.00
Methylene chloride	50.0	48.1	-3.8	30.00
n-Butylbenzene	50.0	46.3	-7.4	30.00
n-Propylbenzene	50.0	44.0	-12.1	30.00
o-Xylene	50.0	44.9	-10.2	30.00
p- & m- Xylenes	100	90.9	-9.1	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20H1207

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
p-Isopropyltoluene	50.0	45.6	-8.7	30.00
sec-Butylbenzene	50.0	48.1	-3.8	30.00
Styrene	50.0	45.6	-8.9	30.00
tert-Butyl alcohol (TBA)	250	238	-4.8	30.00
tert-Butylbenzene	50.0	44.5	-10.9	30.00
Tetrachloroethylene	50.0	40.9	-18.3	30.00
Toluene	50.0	45.3	-9.5	30.00
trans-1,2-Dichloroethylene	50.0	47.8	-4.4	30.00
trans-1,3-Dichloropropylene	50.0	45.9	-8.2	30.00
trans-1,4-dichloro-2-butene	50.0	44.7	-10.6	30.00
Trichloroethylene	50.0	46.9	-6.2	30.00
Trichlorofluoromethane	50.0	47.2	-5.6	30.00
Vinyl Chloride	50.0	53.3	6.5	30.00

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	573258	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2048628	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	985291	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	888015	49.59	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery =	99.18%			
54) Toluene-d8 (SURR)	6.369	98	2739872	49.93	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery =	99.86%			
73) p-Bromofluorobenzene (...	9.106	95	1133457	49.45	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	98.90%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	354542	49.65	ppb	#	86
3) Chloromethane	1.291	50	662438	59.30	ppb	#	73
4) Vinyl Chloride	1.338	62	557192	53.26	ppb		100
5) Bromomethane	1.580	94	240395	54.31	ppb		98
6) Allyl Chloride	2.615	76	211622	46.63	ppb	#	100
7) Chloroethane	1.658	64	279618	47.37	ppb		99
8) Trichlorofluoromethane	1.839	101	875579	47.21	ppb		97
10) Freon-113	2.265	101	451890	49.70	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	713249	48.18	ppb		91
12) Acrolein	2.251	56	18485	37.25	ppb		95
13) Acetone	2.393	43	105638	32.68	ppb	#	21
14) Iodomethane	2.434	142	395036	51.64	ppb	#	20
15) Methyl Acetate	2.657	43	268994	44.94	ppb		95
16) Carbon disulfide	2.471	76	1185254	51.22	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	165703	238.06	ppb	#	1
18) Methylene Chloride	2.740	49	567343	48.08	ppb		86
19) Acrylonitrile	3.002	53	100423	48.69	ppb		97
20) trans-1,2-Dichloroethy...	2.952	61	629215	47.81	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	1060557	48.09	ppb		99
22) 1,1-Dichloroethane	3.336	63	777733	45.09	ppb	#	99
23) Vinyl Acetate	3.386	43	350825m	30.22	ppb		
24) Diisopropyl ether (DIPE)	3.353	45	1459082	45.29	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.675	59	1311310	47.27	ppb	#	97
26) cis-1,2-Dichloroethylene	3.862	61	702413	45.15	ppb		89
27) 2-Butanone	3.903	72	32286m	52.19	ppb		
28) 2,2-Dichloropropane	3.828	77	715717	46.13	ppb	#	87
29) Tetrahydrofuran	4.120	42	108933	47.51	ppb	#	73
30) Bromochloromethane	4.087	49	355631	45.75	ppb	#	61
31) Chloroform	4.159	83	749318	45.48	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	724046	46.74	ppb	#	85
33) Cyclohexane	4.285	56	813152	49.32	ppb		87
34) 1,1-Dichloropropylene	4.421	75	627888	46.59	ppb		82
36) Carbon Tetrachloride	4.410	117	548730	46.63	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	318447	535.64	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	585268	45.17	ppb		99
39) Benzene	4.616	78	1568570	46.43	ppb	#	84
40) tert-Amyl methyl ether...	4.696	73	1261089	49.83	ppb	#	90
42) Trichloroethylene	5.214	95	426915	46.89	ppb		81
43) Methyl Cyclohexane	5.336	83	795275	49.66	ppb	#	74
44) Methyl Methacrylate	5.551	69	214432	47.34	ppb	#	81
45) Dibromomethane	5.578	93	205958	44.42	ppb		91
46) Bromodichloromethane	5.731	83	521598	46.20	ppb		98
47) 1,2-Dichloropropane	5.445	63	393264	44.51	ppb	#	81
48) 1,4-Dioxane	5.601	88	64748	1064.19	ppb		85
49) 2-Chloroethyl vinyl ether	6.010	63	243257	66.05	ppb		96
50) 2-nitropropane	5.979	43	21695m	35.47	ppb		
51) cis-1,3-Dichloropropene	6.143	75	640318	45.91	ppb		88
52) ethyl methacrylate	6.764	69	430935	48.14	ppb	#	100

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

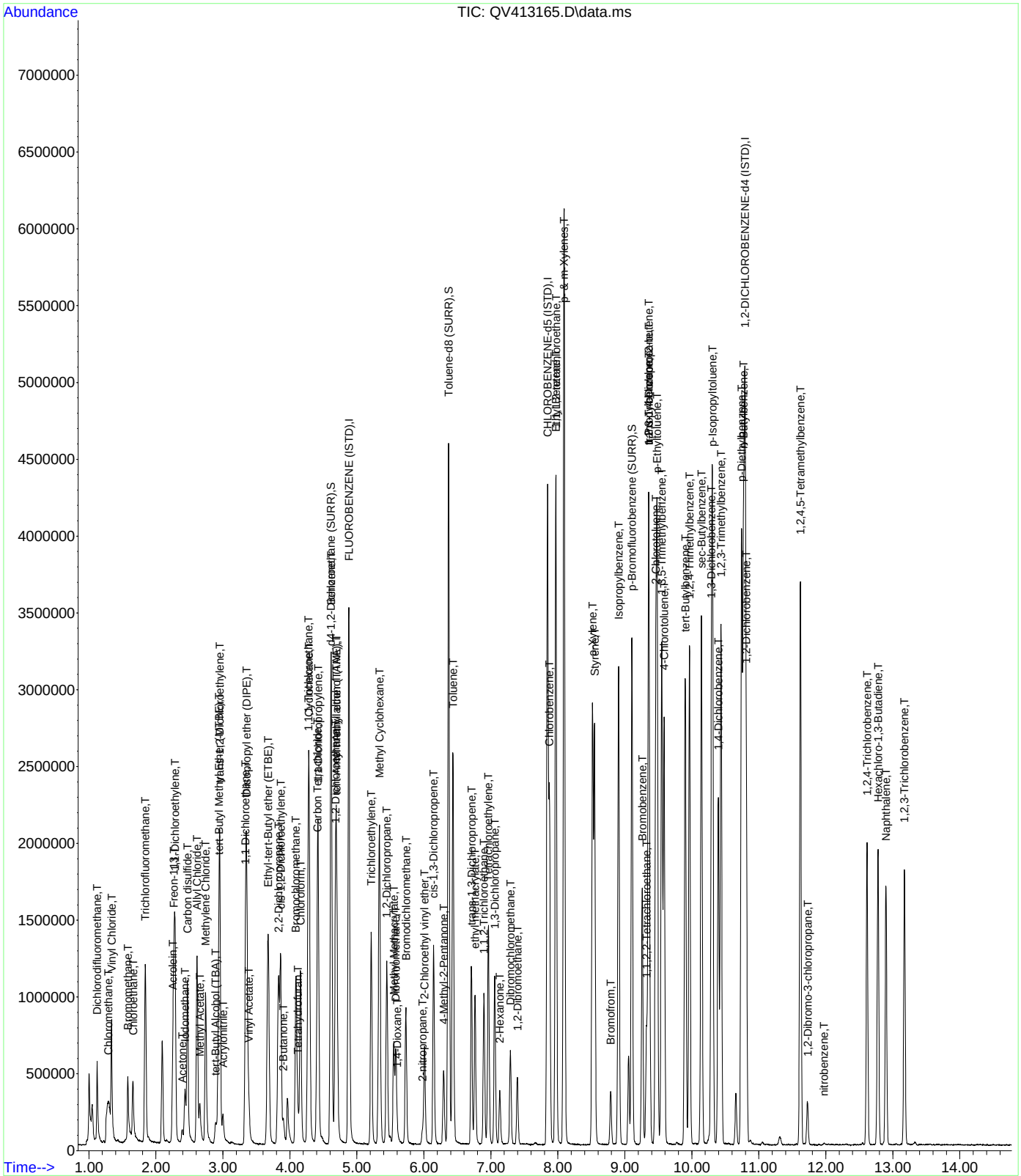
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.296	43	338329	47.20	ppb	#	86
55) Toluene	6.435	91	1694584	45.27	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	577836	45.89	ppb	#	91
57) 1,1,2-Trichloroethane	6.894	97	270869	44.26	ppb		91
58) 1,3-Dichloropropane	7.056	76	547413	45.21	ppb	#	73
59) Tetrachloroethylene	6.961	166	329210	40.87	ppb	#	77
60) 2-Hexanone	7.131	43	236035	46.58	ppb		92
61) Dibromochloromethane	7.289	129	304876	47.92	ppb		97
62) 1,2-Dibromoethane	7.395	107	288876	45.64	ppb		98
63) Chlorobenzene	7.874	112	1032957	45.10	ppb	#	84
64) 1,1,1,2-tetrachloroethane	7.971	131	331557	35.54	ppb	#	53
65) Ethyl Benzene	7.968	91	2098979	44.99	ppb		94
66) p- & m-Xylenes	8.091	91	3400222	90.89	ppb		90
67) o-Xylene	8.516	91	1664665	44.89	ppb		96
68) Styrene	8.547	104	1168410	45.55	ppb	#	100
69) Bromofrom	8.786	173	143845	36.17	ppb		99
71) p-Ethyltoluene	9.482	105	2302898	50.91	ppb	#	97
72) Isopropylbenzene	8.906	105	2027777	44.03	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.323	83	362456	46.27	ppb	#	100
75) Bromobenzene	9.259	77	753868	44.72	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.357	75	448796	44.71	ppb	#	56
77) 1,2,3-Trichloropropane	9.357	110	118528	43.97	ppb		89
78) n-Propylbenzene	9.357	91	2628789	43.95	ppb		94
79) 2-Chlorotoluene	9.462	91	1773600	45.06	ppb		97
80) 4-Chlorotoluene	9.585	91	1598298	40.38	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	1805420	45.35	ppb		90
82) tert-Butylbenzene	9.902	119	1486150	44.54	ppb		83
83) 1,2,4-Trimethylbenzene	9.963	105	1789867	43.64	ppb		87
84) sec-Butylbenzene	10.144	105	2405169	48.11	ppb		93
86) 1,3-Dichlorobenzene	10.291	146	805095	43.70	ppb	#	88
87) p-Isopropyltoluene	10.308	119	2061148	45.65	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	775101	43.44	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	1952323	53.93	ppb		92
90) nitrobenzene	11.969	77	3417m	38.29	ppb		
91) p-Diethylbenzene	10.742	105	1307356	55.20	ppb		95
92) 1,2-Dichlorobenzene	10.812	146	746307	44.21	ppb	#	88
93) n-Butylbenzene	10.770	91	2455909m	46.32	ppb		
94) 1,2-Dibromo-3-chloropr...	11.730	75	77787	47.24	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1984252	50.11	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	496057	44.86	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	316252	47.98	ppb	#	77
98) Naphthalene	12.898	128	1243231	46.55	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	446191	46.66	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413940.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0351	Injection Date:	09/03/20
Lab Sample ID:	Y0I0351-CCV1	Injection Time:	03:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	L	50.0	38.3	0.1807482	0.1746221		-23.3	20 *
1,1,1-Trichloroethane	A	50.0	45.9	1.35124	1.241017	0.1	-8.2	20
1,1,2,2-Tetrachloroethane	A	50.0	46.2	0.3975603	0.3675256	0.3	-7.6	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	53.0	0.7931214	0.8399249	0.1	5.9	20
1,1,2-Trichloroethane	A	50.0	46.7	0.1493515	0.1395196	0.1	-6.6	20
1,1-Dichloroethane	A	50.0	43.2	1.504345	1.300245	0.2	-13.6	20
1,1-Dichloroethylene	A	50.0	40.2	1.291159	1.037909	0.1	-19.6	20
1,2,3-Trichlorobenzene	A	50.0	51.6	0.4852821	0.5004795		3.1	20
1,2,3-Trichloropropane	A	50.0	46.8	0.1367891	0.1280647		-6.4	20
1,2,4-Trichlorobenzene	A	50.0	52.4	0.5611112	0.5875007	0.2	4.7	20
1,2,4-Trimethylbenzene	A	50.0	45.4	2.081242	1.888813		-9.2	20
1,2-Dibromo-3-chloropropane	A	50.0	48.0	8.356553E-02	8.027197E-02	0.05	-3.9	20
1,2-Dibromoethane	A	50.0	45.0	0.1544719	0.1391366	0.1	-9.9	20
1,2-Dichlorobenzene	A	50.0	47.7	0.8566001	0.8171812	0.4	-4.6	20
1,2-Dichloroethane	A	50.0	43.3	1.130085	0.9783909	0.1	-13.4	20
1,2-Dichloropropane	A	50.0	43.0	0.2156655	0.1852856	0.1	-14.1	20
1,3,5-Trimethylbenzene	A	50.0	44.7	2.02041	1.807744		-10.5	20
1,3-Dichlorobenzene	A	50.0	48.3	0.9349307	0.9033124	0.6	-3.4	20
1,4-Dichlorobenzene	A	50.0	47.4	0.9055455	0.8575647	0.5	-5.3	20
1,4-Dioxane	A	1000	976	1.484957E-03	1.448627E-03		-2.4	20
2-Butanone	A	50.0	46.4	0.0539544	0.0500162	0.1 *	-7.3	20
2-Hexanone	A	50.0	45.2	0.1236723	0.1116855	0.1	-9.7	20
4-Methyl-2-pentanone	A	50.0	45.4	0.1749533	0.158976	0.1	-9.1	20
Acetone	A	50.0	36.3	0.2819448	0.2049226	0.1	-27.3	20 *
Acrolein	L	50.0	99.4	6.800527E-02	8.607326E-02		98.9	20 *
Acrylonitrile	A	50.0	49.7	0.179878	0.1787216		-0.6	20
Benzene	A	50.0	42.8	2.946759	2.525513	0.5	-14.3	20
Bromochloromethane	A	50.0	42.1	0.6780198	0.5711094		-15.8	20
Bromodichloromethane	A	50.0	43.8	0.2755562	0.2415027	0.2	-12.4	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413940.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0351	Injection Date:	09/03/20
Lab Sample ID:	Y0I0351-CCV1	Injection Time:	03:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Bromoform	L	50.0	38.1	7.283191E-02	7.395034E-02	0.1	-23.8	20 *
Bromomethane	A	50.0	55.5	0.3861049	0.4282651	0.1	10.9	20
Carbon disulfide	A	50.0	22.7	2.018406	0.916292	0.1	-54.6	20 *
Carbon tetrachloride	A	50.0	46.8	1.026493	0.9611133	0.1	-6.4	20
Chlorobenzene	A	50.0	46.1	0.5589409	0.5153491	0.5	-7.8	20
Chloroethane	A	50.0	53.0	0.5148365	0.5459122	0.1	6.0	20
Chloroform	A	50.0	46.1	1.437048	1.326218	0.2	-7.7	20
Chloromethane	A	50.0	63.4	0.9743763	1.236324	0.1	26.9	20 *
cis-1,2-Dichloroethylene	A	50.0	42.5	1.356842	1.154517	0.1	-14.9	20
cis-1,3-Dichloropropylene	A	50.0	43.8	0.3403912	0.2982944	0.2	-12.4	20
Cyclohexane	A	50.0	37.7	1.437963	1.084317	0.1	-24.6	20 *
Dibromochloromethane	A	50.0	47.8	0.1552863	0.1484118	0.1	-4.4	20
Dibromomethane	A	50.0	42.9	0.1131589	9.711626E-02		-14.2	20
Dichlorodifluoromethane	Q	50.0	72.0	0.5226794	0.8972971	0.1	44.1	20 *
Ethyl Benzene	A	50.0	43.8	1.138782	0.9972884	0.1	-12.4	20
Hexachlorobutadiene	A	50.0	51.7	0.3344537	0.3460198		3.5	20
Isopropylbenzene	A	50.0	44.9	2.337246	2.10089	0.1	-10.1	20
Methyl acetate	A	50.0	42.2	0.5221214	0.440374	0.1	-15.7	20
Methyl tert-butyl ether (MTBE)	A	50.0	46.1	1.923452	1.77465	0.1	-7.7	20
Methylcyclohexane	A	50.0	38.3	0.3908827	0.2991462	0.1	-23.5	20 *
Methylene chloride	A	50.0	41.1	1.029307	0.8458727	0.1	-17.8	20
n-Butylbenzene	A	50.0	49.8	2.690516	2.678735		-0.4	20
n-Propylbenzene	A	50.0	45.2	3.035225	2.741055		-9.7	20
o-Xylene	A	50.0	44.6	0.9050673	0.8064838	0.3	-10.9	20
p- & m- Xylenes	A	100	89.2	0.913102	0.8140254	0.1	-10.9	20
p-Isopropyltoluene	A	50.0	49.6	2.291279	2.274461		-0.7	20
sec-Butylbenzene	A	50.0	45.8	2.537086	2.323465		-8.4	20
Styrene	A	50.0	45.8	0.6260358	0.5734179	0.3	-8.4	20
tert-Butyl alcohol (TBA)	A	50.0	48.7	6.071175E-02	5.910444E-02		-2.6	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413940.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0351	Injection Date:	09/03/20
Lab Sample ID:	Y0I0351-CCV1	Injection Time:	03:15

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butylbenzene	A	50.0	46.2	1.693168	1.565066		-7.6	20
Tetrachloroethylene	A	50.0	43.8	0.1965813	0.1720888	0.2 *	-12.5	20
Toluene	A	50.0	42.4	0.9136906	0.7740163	0.4	-15.3	20
trans-1,2-Dichloroethylene	A	50.0	37.2	1.147794	0.8534421	0.1	-25.6	20 *
trans-1,3-Dichloropropylene	A	50.0	45.0	0.3072891	0.2762659	0.1	-10.1	20
trans-1,4-dichloro-2-butene	A	50.0	45.6	0.5094398	0.4645482		-8.8	20
Trichloroethylene	A	50.0	42.1	0.222235	0.1871712	0.2 *	-15.8	20
Trichlorofluoromethane	A	50.0	51.7	1.617571	1.674003	0.1	3.5	20
Vinyl Chloride	A	50.0	63.5	0.9124362	1.158654	0.1	27.0	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413940.D
Acq On : 3 Sep 2020 3:15 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090220B
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 03 03:30:54 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	533987	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2013216	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	999963	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	803787	48.19	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 96.38%				
54) Toluene-d8 (SURR)	6.369	98	2680640	49.71	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.42%				
73) p-Bromofluorobenzene (...	9.106	95	1096829	47.15	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 94.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	479145	72.03	ppb		100
3) Chloromethane	1.288	50	660181m	63.44	ppb		
4) Vinyl Chloride	1.336	62	618706	63.49	ppb		100
5) Bromomethane	1.580	94	228688	55.46	ppb		98
6) Allyl Chloride	2.615	76	173221	40.98	ppb	#	100
7) Chloroethane	1.658	64	291510	53.02	ppb		99
8) Trichlorofluoromethane	1.842	101	893896	51.74	ppb		97
9) Ethanol	2.095	45	194862	2537.71	ppb		82
10) Freon-113	2.268	101	448509	52.95	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	554230	40.19	ppb		86
12) Acrolein	2.251	56	45962	99.43	ppb		93
13) Acetone	2.390	43	109426	36.34	ppb	#	41
14) Iodomethane	2.432	142	310489	43.57	ppb	#	20
15) Methyl Acetate	2.654	43	235154	42.17	ppb		95
16) Carbon disulfide	2.471	76	489288	22.70	ppb		100
17) tert-Butyl Alcohol (TBA)	2.885	59	31561m	48.68	ppb		
18) Methylene Chloride	2.743	49	451685	41.09	ppb		88
19) Acrylonitrile	2.999	53	95435	49.68	ppb		97
20) trans-1,2-Dichloroethy...	2.952	61	455727	37.18	ppb		93
21) tert-Butyl Methyl Ethe...	2.941	73	947640	46.13	ppb		100
22) 1,1-Dichloroethane	3.339	63	694314	43.22	ppb	#	96
23) Vinyl Acetate	3.383	43	519905	48.08	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	1372656	45.74	ppb	#	88
25) Ethyl-tert-Butyl ether...	3.673	59	1161630	44.95	ppb	#	97
26) cis-1,2-Dichloroethylene	3.859	61	616497	42.54	ppb		90
27) 2-Butanone	3.901	72	26708	46.35	ppb	#	1
28) 2,2-Dichloropropane	3.828	77	684951	47.39	ppb	#	89
29) Tetrahydrofuran	4.118	42	102837	48.15	ppb		77
30) Bromochloromethane	4.084	49	304965	42.12	ppb		85
31) Chloroform	4.160	83	708183	46.14	ppb	#	72
32) 1,1,1-Trichloroethane	4.271	97	662687	45.92	ppb		99
33) Cyclohexane	4.287	56	579011	37.70	ppb		90
34) 1,1-Dichloropropylene	4.421	75	503104	40.07	ppb		94
36) Carbon Tetrachloride	4.410	117	513222	46.82	ppb		100
37) tert-Amyl alcohol (TAA)	4.688	59	286074	516.58	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	522448	43.29	ppb		99
39) Benzene	4.616	78	1348591	42.85	ppb	#	83
40) tert-Amyl methyl ether...	4.694	73	1158379	49.14	ppb	#	90
42) Trichloroethylene	5.211	95	376816	42.11	ppb		84
43) Methyl Cyclohexane	5.336	83	602246	38.27	ppb	#	78
44) Methyl Methacrylate	5.548	69	202870	45.58	ppb	#	97
45) Dibromomethane	5.578	93	195516	42.91	ppb		93
46) Bromodichloromethane	5.729	83	486197	43.82	ppb		99
47) 1,2-Dichloropropane	5.448	63	373020	42.96	ppb	#	97
48) 1,4-Dioxane	5.601	88	58328	975.54	ppb		85
49) 2-Chloroethyl vinyl ether	6.007	63	177575	49.06	ppb		98
50) 2-nitropropane	5.976	43	36649	58.11	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	600531	43.82	ppb		91

Data Path : C:\msdchem\1\data\090220\
Data File : QV413940.D
Acq On : 3 Sep 2020 3:15 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090220B
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 03 03:30:54 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

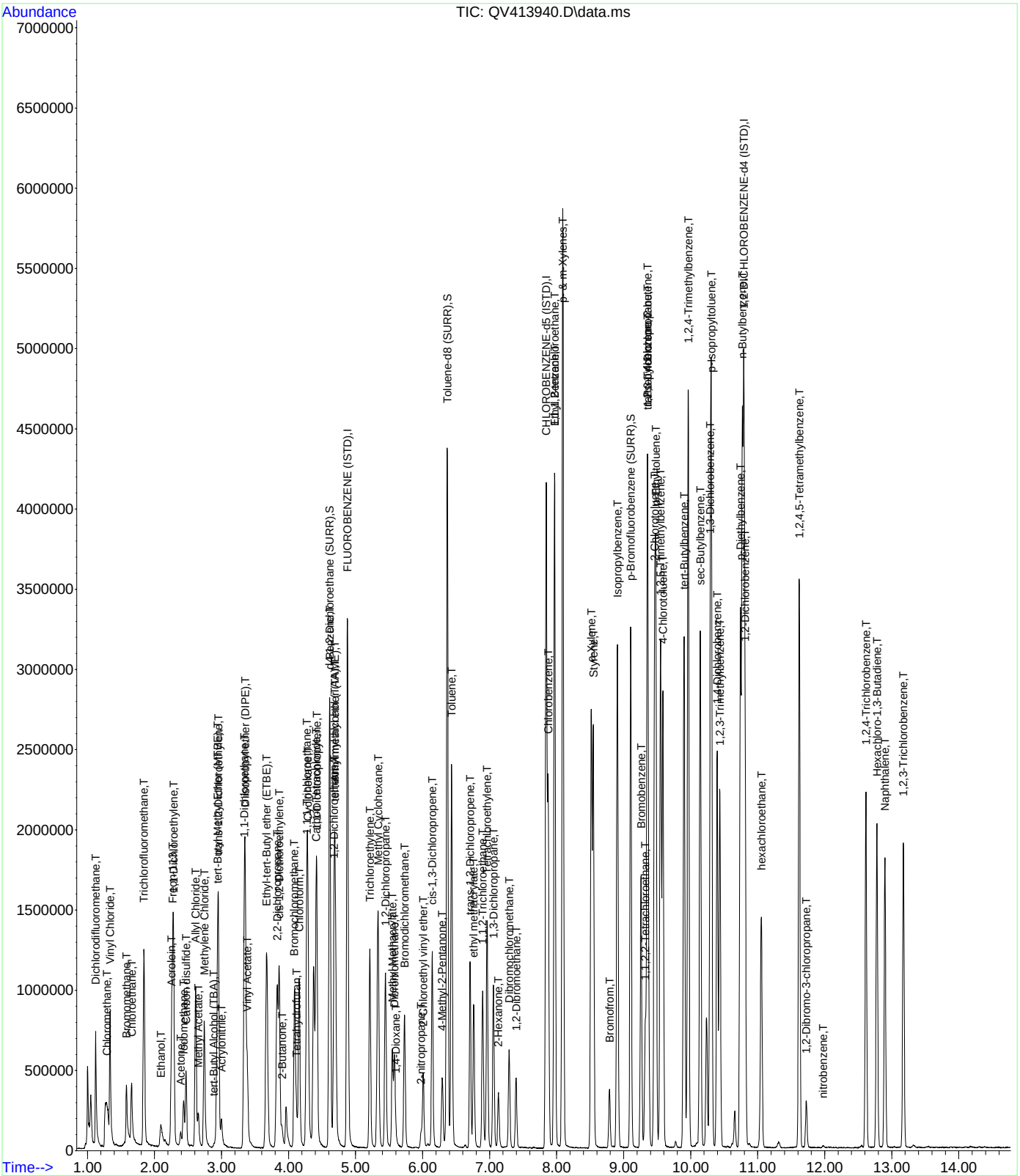
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.761	69	413188	46.97	ppb	#	100
53) 4-Methyl-2-Pentanone	6.291	43	320053	45.43	ppb	#	85
55) Toluene	6.433	91	1558262	42.36	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	556183	44.95	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	280883	46.71	ppb		95
58) 1,3-Dichloropropane	7.056	76	526829	44.28	ppb	#	92
59) Tetrachloroethylene	6.961	166	346452	43.77	ppb	#	72
60) 2-Hexanone	7.128	43	224847	45.15	ppb		93
61) Dibromochloromethane	7.290	129	298785	47.79	ppb		96
62) 1,2-Dibromoethane	7.395	107	280112	45.04	ppb		99
63) Chlorobenzene	7.874	112	1037509	46.10	ppb	#	87
64) 1,1,1,2-tetrachloroethane	7.968	131	351552	38.34	ppb	#	53
65) Ethyl Benzene	7.968	91	2007757	43.79	ppb		95
66) p- & m-Xylenes	8.091	91	3277618	89.15	ppb		92
67) o-Xylene	8.517	91	1623626	44.55	ppb		96
68) Styrene	8.547	104	1154414	45.80	ppb	#	100
69) Bromofrom	8.789	173	148878	38.09	ppb	#	80
71) p-Ethyltoluene	9.479	105	2071527	45.13	ppb	#	97
72) Isopropylbenzene	8.906	105	2100812	44.94	ppb		94
74) 1,1,2,2-Tetrachloroethane	9.321	83	367512	46.22	ppb	#	100
75) Bromobenzene	9.259	77	748388	43.74	ppb		78
76) trans-1,4-Dichloro-2-b...	9.357	75	464531	45.59	ppb	#	51
77) 1,2,3-Trichloropropane	9.354	110	128060	46.81	ppb		93
78) n-Propylbenzene	9.354	91	2740954	45.15	ppb		95
79) 2-Chlorotoluene	9.460	91	1765346	44.19	ppb		98
80) 4-Chlorotoluene	9.585	91	1809903	45.06	ppb		81
81) 1,3,5-Trimethylbenzene	9.549	105	1807677m	44.74	ppb		
82) tert-Butylbenzene	9.902	119	1565008	46.22	ppb		85
83) 1,2,4-Trimethylbenzene	9.963	105	1888743	45.38	ppb		89
84) sec-Butylbenzene	10.144	105	2323379	45.79	ppb		94
85) hexachloroethane	11.054	117	274389	40.26	ppb	#	100
86) 1,3-Dichlorobenzene	10.292	146	903279	48.31	ppb	#	90
87) p-Isopropyltoluene	10.308	119	2274377	49.63	ppb		94
88) 1,4-Dichlorobenzene	10.395	146	857533	47.35	ppb	#	90
89) 1,2,3-Trimethylbenzene	10.436	105	1292536	35.18	ppb		94
90) nitrobenzene	11.972	77	3294m	36.28	ppb		
91) p-Diethylbenzene	10.742	105	1131212	47.07	ppb	#	22
92) 1,2-Dichlorobenzene	10.812	146	817151	47.70	ppb		96
93) n-Butylbenzene	10.770	91	2678636	49.78	ppb		94
94) 1,2-Dibromo-3-chloropr...	11.724	75	80269	48.03	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.621	119	1927775	47.97	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	587479	52.35	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	346007	51.73	ppb		81
98) Naphthalene	12.899	128	1343581	49.57	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	500461	51.57	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413940.D
Acq On : 3 Sep 2020 3:15 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090220B
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 03 03:30:54 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413970.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0437	Injection Date:	09/03/20
Lab Sample ID:	Y0I0437-CCV1	Injection Time:	15:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	L	50.0	43.0	0.1807482	0.1960775		-13.9	20	
1,1,1-Trichloroethane	A	50.0	49.6	1.35124	1.339993	0.1	-0.8	20	
1,1,2,2-Tetrachloroethane	A	50.0	54.1	0.3975603	0.4303739	0.3	8.3	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	56.5	0.7931214	0.8966486	0.1	13.1	20	
1,1,2-Trichloroethane	A	50.0	53.3	0.1493515	0.1590896	0.1	6.5	20	
1,1-Dichloroethane	A	50.0	47.0	1.504345	1.415486	0.2	-5.9	20	
1,1-Dichloroethylene	A	50.0	41.4	1.291159	1.069867	0.1	-17.1	20	
1,2,3-Trichlorobenzene	A	50.0	55.3	0.4852821	0.5364733		10.5	20	
1,2,3-Trichloropropane	A	50.0	53.4	0.1367891	0.1459826		6.7	20	
1,2,4-Trichlorobenzene	A	50.0	50.7	0.5611112	0.5693225	0.2	1.5	20	
1,2,4-Trimethylbenzene	A	50.0	48.8	2.081242	2.031753		-2.4	20	
1,2-Dibromo-3-chloropropane	A	50.0	54.7	8.356553E-02	0.0914231	0.05	9.4	20	
1,2-Dibromoethane	A	50.0	52.6	0.1544719	0.1625314	0.1	5.2	20	
1,2-Dichlorobenzene	A	50.0	52.0	0.8566001	0.8908877	0.4	4.0	20	
1,2-Dichloroethane	A	50.0	49.3	1.130085	1.113804	0.1	-1.4	20	
1,2-Dichloropropane	A	50.0	47.9	0.2156655	0.2067617	0.1	-4.1	20	
1,3,5-Trimethylbenzene	A	50.0	49.0	2.02041	1.979459		-2.0	20	
1,3-Dichlorobenzene	A	50.0	50.4	0.9349307	0.9432093	0.6	0.9	20	
1,4-Dichlorobenzene	A	50.0	49.9	0.9055455	0.9035153	0.5	-0.2	20	
1,4-Dioxane	A	1000	1170	1.484957E-03	1.739203E-03		17.1	20	
2-Butanone	A	50.0	51.2	0.0539544	5.521767E-02	0.1	2.3	20	
2-Hexanone	A	50.0	52.2	0.1236723	0.1289842	0.1	4.3	20	
4-Methyl-2-pentanone	A	50.0	53.0	0.1749533	0.1856122	0.1	6.1	20	
Acetone	A	50.0	38.8	0.2819448	0.2187923	0.1	-22.4	20	*
Acrolein	L	50.0	53.1	6.800527E-02	4.595257E-02		6.2	20	
Acrylonitrile	A	50.0	56.3	0.179878	0.2026993		12.7	20	
Benzene	A	50.0	46.6	2.946759	2.744264	0.5	-6.9	20	
Bromochloromethane	A	50.0	47.5	0.6780198	0.644608		-4.9	20	
Bromodichloromethane	A	50.0	49.9	0.2755562	0.2748025	0.2	-0.3	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413970.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0437	Injection Date:	09/03/20
Lab Sample ID:	Y0I0437-CCV1	Injection Time:	15:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Bromoform	L	50.0	42.9	7.283191E-02	8.327162E-02	0.1	-14.2	20
Bromomethane	A	50.0	65.8	0.3861049	0.5079719	0.1	31.6	20 *
Carbon disulfide	A	50.0	23.3	2.018406	0.9404441	0.1	-53.4	20 *
Carbon tetrachloride	A	50.0	49.6	1.026493	1.018194	0.1	-0.8	20
Chlorobenzene	A	50.0	49.9	0.5589409	0.5577204	0.5	-0.2	20
Chloroethane	A	50.0	60.2	0.5148365	0.6201066	0.1	20.4	20 *
Chloroform	A	50.0	50.9	1.437048	1.463767	0.2	1.9	20
Chloromethane	A	50.0	69.5	0.9743763	1.354527	0.1	39.0	20 *
cis-1,2-Dichloroethylene	A	50.0	46.6	1.356842	1.265511	0.1	-6.7	20
cis-1,3-Dichloropropylene	A	50.0	48.0	0.3403912	0.3270548	0.2	-3.9	20
Cyclohexane	A	50.0	40.5	1.437963	1.163929	0.1	-19.1	20
Dibromochloromethane	A	50.0	55.1	0.1552863	0.1711198	0.1	10.2	20
Dibromomethane	A	50.0	49.3	0.1131589	0.111632		-1.3	20
Dichlorodifluoromethane	Q	50.0	72.0	0.5226794	0.8971969	0.1	44.0	20 *
Ethyl Benzene	A	50.0	47.6	1.138782	1.084161	0.1	-4.8	20
Hexachlorobutadiene	A	50.0	53.3	0.3344537	0.3568215		6.7	20
Isopropylbenzene	A	50.0	49.2	2.337246	2.301275	0.1	-1.5	20
Methyl acetate	A	50.0	47.5	0.5221214	0.4959894	0.1	-5.0	20
Methyl tert-butyl ether (MTBE)	A	50.0	52.6	1.923452	2.025485	0.1	5.3	20
Methylcyclohexane	A	50.0	40.9	0.3908827	0.3194617	0.1	-18.3	20
Methylene chloride	A	50.0	46.3	1.029307	0.9527935	0.1	-7.4	20
n-Butylbenzene	A	50.0	51.6	2.690516	2.775112		3.1	20
n-Propylbenzene	A	50.0	48.7	3.035225	2.958608		-2.5	20
o-Xylene	A	50.0	48.4	0.9050673	0.8752291	0.3	-3.3	20
p- & m- Xylenes	A	100	96.8	0.913102	0.8842434	0.1	-3.2	20
p-Isopropyltoluene	A	50.0	50.2	2.291279	2.302723		0.5	20
sec-Butylbenzene	A	50.0	50.2	2.537086	2.545434		0.3	20
Styrene	A	50.0	49.3	0.6260358	0.6172695	0.3	-1.4	20
tert-Butyl alcohol (TBA)	A	50.0	54.5	6.071175E-02	6.612976E-02		8.9	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20H1207
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413970.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0437	Injection Date:	09/03/20
Lab Sample ID:	Y0I0437-CCV1	Injection Time:	15:04

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
tert-Butylbenzene	A	50.0	50.6	1.693168	1.713966		1.2	20	
Tetrachloroethylene	A	50.0	51.2	0.1965813	0.2013789	0.2	2.4	20	
Toluene	A	50.0	45.6	0.9136906	0.8342761	0.4	-8.7	20	
trans-1,2-Dichloroethylene	A	50.0	40.0	1.147794	0.9174204	0.1	-20.1	20	*
trans-1,3-Dichloropropylene	A	50.0	50.0	0.3072891	0.3073854	0.1	0.03	20	
trans-1,4-dichloro-2-butene	A	50.0	53.5	0.5094398	0.5451806		7.0	20	
Trichloroethylene	A	50.0	46.0	0.222235	0.2043184	0.2	-8.1	20	
Trichlorofluoromethane	A	50.0	57.7	1.617571	1.866698	0.1	15.4	20	
Vinyl Chloride	A	50.0	69.2	0.9124362	1.263207	0.1	38.4	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413970.D
Acq On : 3 Sep 2020 3:04 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090320A
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 03 15:20:00 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	496055	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1841792	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	892805	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	774043	49.95	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery =	99.90%			
54) Toluene-d8 (SURR)	6.368	98	2434757	49.36	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery =	98.72%			
73) p-Bromofluorobenzene (...	9.106	95	996217	47.96	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	95.92%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	445059	72.02	ppb		100
3) Chloromethane	1.291	50	671920	69.51	ppb	#	95
4) Vinyl Chloride	1.335	62	626620	69.22	ppb		100
5) Bromomethane	1.580	94	251982	65.78	ppb		98
6) Allyl Chloride	2.612	76	169547	43.17	ppb	#	100
7) Chloroethane	1.655	64	307607	60.22	ppb		100
8) Trichlorofluoromethane	1.842	101	925985	57.70	ppb		97
9) Ethanol	2.095	45	239935	3363.64	ppb		82
10) Freon-113	2.265	101	444787	56.53	ppb	#	91
11) 1,1-Dichloroethylene	2.284	61	530713	41.43	ppb	#	83
12) Acrolein	2.251	56	22795	53.08	ppb		93
13) Acetone	2.390	43	108533	38.80	ppb	#	43
14) Iodomethane	2.432	142	313187	47.31	ppb	#	20
15) Methyl Acetate	2.651	43	246038	47.50	ppb		95
16) Carbon disulfide	2.468	76	466512	23.30	ppb		100
17) tert-Butyl Alcohol (TBA)	2.893	59	32804	54.46	ppb	#	1
18) Methylene Chloride	2.740	49	472638	46.28	ppb		88
19) Acrylonitrile	2.999	53	100550	56.34	ppb		99
20) trans-1,2-Dichloroethy...	2.952	61	455091	39.96	ppb		92
21) tert-Butyl Methyl Ethe...	2.938	73	1004752	52.65	ppb	#	92
22) 1,1-Dichloroethane	3.339	63	702159	47.05	ppb	#	100
23) Vinyl Acetate	3.383	43	577318	57.47	ppb		100
24) Diisopropyl ether (DIPE)	3.350	45	1448828	51.97	ppb		96
25) Ethyl-tert-Butyl ether...	3.672	59	1216592	50.68	ppb	#	97
26) cis-1,2-Dichloroethylene	3.862	61	627763	46.63	ppb	#	79
27) 2-Butanone	3.895	72	27391	51.17	ppb	#	40
28) 2,2-Dichloropropane	3.828	77	646347	48.14	ppb	#	87
29) Tetrahydrofuran	4.115	42	107166	54.02	ppb	#	74
30) Bromochloromethane	4.084	49	319761	47.54	ppb		84
31) Chloroform	4.157	83	726109	50.93	ppb		100
32) 1,1,1-Trichloroethane	4.271	97	664710	49.58	ppb	#	74
33) Cyclohexane	4.282	56	577373	40.47	ppb		90
34) 1,1-Dichloropropylene	4.418	75	497053	42.62	ppb		93
36) Carbon Tetrachloride	4.407	117	505080	49.60	ppb		100
37) tert-Amyl alcohol (TAA)	4.688	59	313907	610.18	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	552508	49.28	ppb		99
39) Benzene	4.616	78	1361306	46.56	ppb	#	84
40) tert-Amyl methyl ether...	4.693	73	1223802	55.89	ppb	#	91
42) Trichloroethylene	5.214	95	376312	45.97	ppb		82
43) Methyl Cyclohexane	5.333	83	588382	40.86	ppb	#	75
44) Methyl Methacrylate	5.548	69	214341	52.64	ppb	#	81
45) Dibromomethane	5.578	93	205603	49.33	ppb		92
46) Bromodichloromethane	5.728	83	506129	49.86	ppb		98
47) 1,2-Dichloropropane	5.447	63	380812	47.94	ppb	#	96
48) 1,4-Dioxane	5.598	88	64065m	1171.21	ppb		
49) 2-Chloroethyl vinyl ether	6.007	63	184675	55.77	ppb		98
50) 2-nitropropane	5.979	43	42801	72.09	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	602367	48.04	ppb		90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413970.D
Acq On : 3 Sep 2020 3:04 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090320A
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 03 15:20:00 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

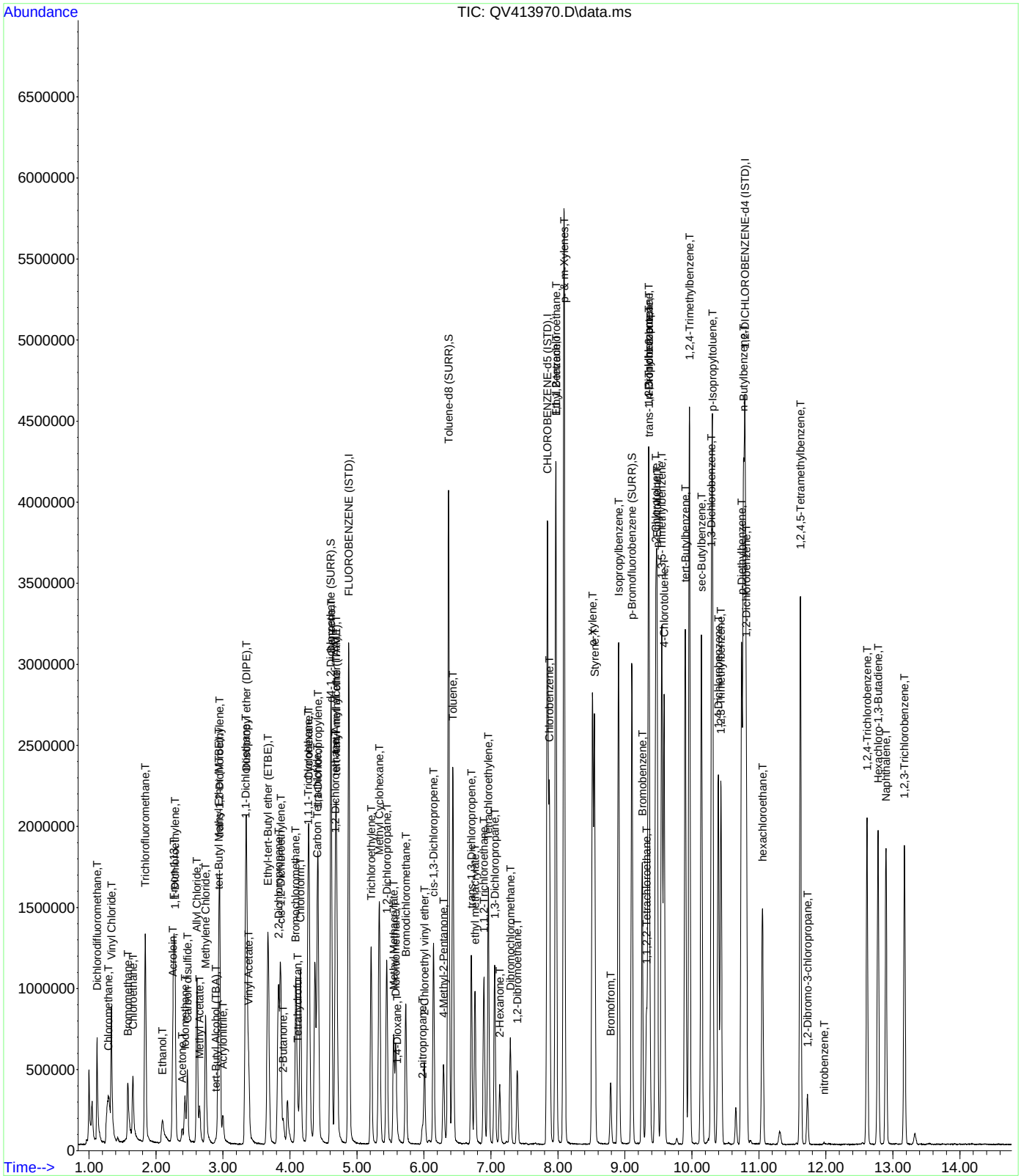
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.763	69	427291	53.10	ppb	#	100
53) 4-Methyl-2-Pentanone	6.293	43	341859	53.05	ppb	#	87
55) Toluene	6.432	91	1536563	45.65	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	566140	50.02	ppb	#	91
57) 1,1,2-Trichloroethane	6.894	97	293010	53.26	ppb		94
58) 1,3-Dichloropropane	7.056	76	543220	49.90	ppb	#	73
59) Tetrachloroethylene	6.961	166	370898	51.22	ppb	#	79
60) 2-Hexanone	7.131	43	237562	52.15	ppb		92
61) Dibromochloromethane	7.289	129	315167	55.10	ppb		97
62) 1,2-Dibromoethane	7.392	107	299349	52.61	ppb		97
63) Chlorobenzene	7.874	112	1027205	49.89	ppb	#	87
64) 1,1,1,2-tetrachloroethane	7.971	131	361134	43.05	ppb	#	53
65) Ethyl Benzene	7.971	91	1996799	47.60	ppb		94
66) p- & m-Xylenes	8.093	91	3257185	96.84	ppb		91
67) o-Xylene	8.516	91	1611990	48.35	ppb		96
68) Styrene	8.547	104	1136882	49.30	ppb	#	100
69) Bromofrom	8.786	173	153369	42.89	ppb		99
71) p-Ethyltoluene	9.482	105	1974830	48.18	ppb	#	97
72) Isopropylbenzene	8.906	105	2054590	49.23	ppb		94
74) 1,1,2,2-Tetrachloroethane	9.323	83	384240	54.13	ppb	#	100
75) Bromobenzene	9.259	77	750874	49.15	ppb		76
76) trans-1,4-Dichloro-2-b...	9.359	75	486740	53.51	ppb	#	55
77) 1,2,3-Trichloropropane	9.354	110	130334	53.36	ppb		94
78) n-Propylbenzene	9.357	91	2641460	48.74	ppb		95
79) 2-Chlorotoluene	9.462	91	1726008	48.40	ppb		98
80) 4-Chlorotoluene	9.585	91	1582004	44.11	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	1767271	48.99	ppb		92
82) tert-Butylbenzene	9.902	119	1530237	50.61	ppb		85
83) 1,2,4-Trimethylbenzene	9.963	105	1813959	48.81	ppb		89
84) sec-Butylbenzene	10.141	105	2272576	50.16	ppb		93
85) hexachloroethane	11.054	117	269344	44.26	ppb	#	100
86) 1,3-Dichlorobenzene	10.291	146	842102	50.44	ppb	#	89
87) p-Isopropyltoluene	10.308	119	2055883	50.25	ppb		93
88) 1,4-Dichlorobenzene	10.394	146	806663	49.89	ppb	#	89
89) 1,2,3-Trimethylbenzene	10.433	105	1276191	38.90	ppb		93
90) nitrobenzene	11.972	77	4569m	57.94	ppb		
91) p-Diethylbenzene	10.742	105	1038919	48.41	ppb	#	22
92) 1,2-Dichlorobenzene	10.812	146	795389	52.00	ppb	#	88
93) n-Butylbenzene	10.770	91	2477634	51.57	ppb	#	93
94) 1,2-Dibromo-3-chloropr...	11.727	75	81623	54.70	ppb	#	76
95) 1,2,4,5-Tetramethylben...	11.621	119	1809219	50.43	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	508294	50.73	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	318572	53.34	ppb	#	78
98) Naphthalene	12.898	128	1355160	56.00	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	478966	55.27	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413970.D
Acq On : 3 Sep 2020 3:04 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090320A
ALS Vial : 31 Sample Multiplier: 1

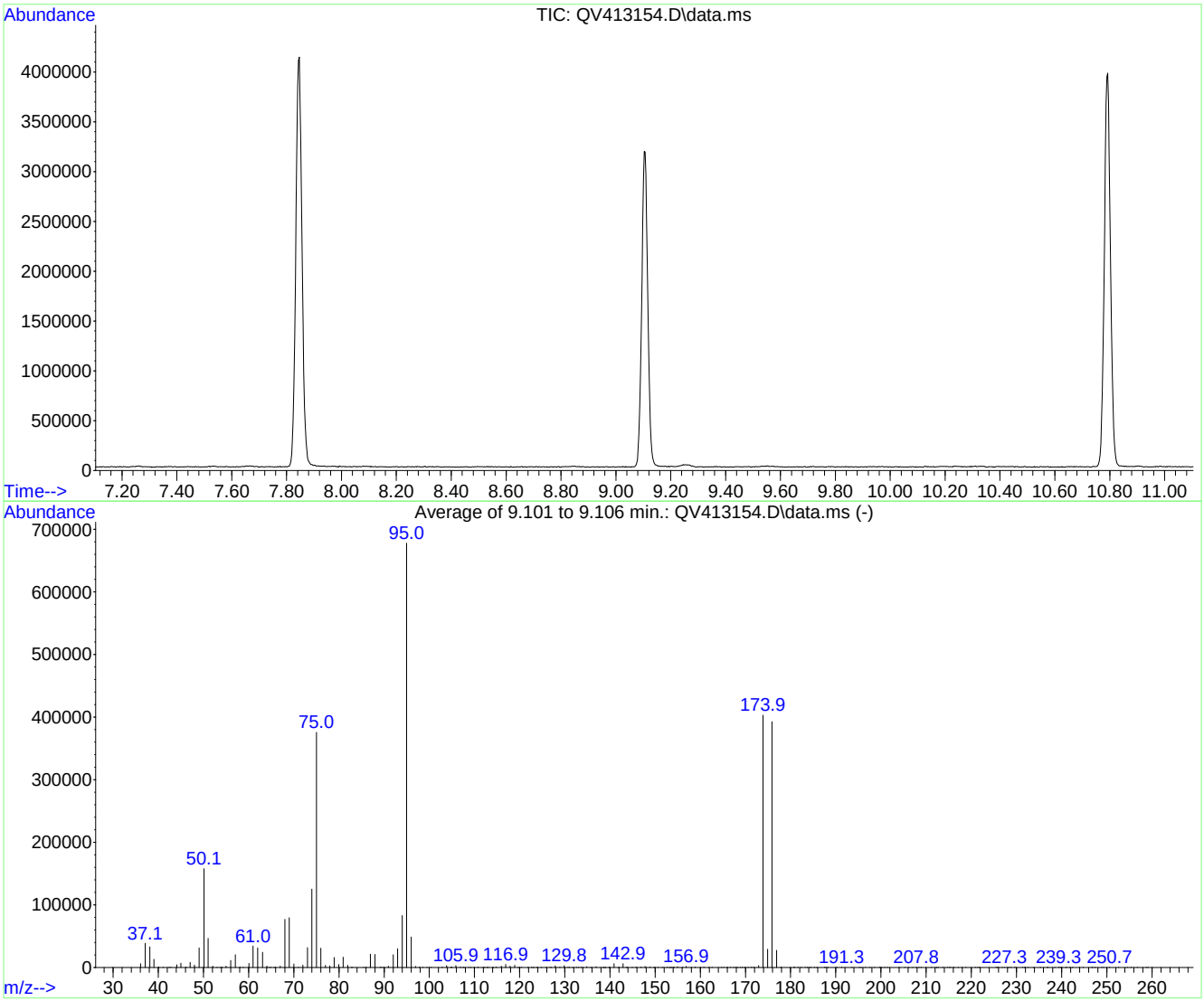
Quant Time: Sep 03 15:20:00 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



Data Path : C:\msdchem\1\data\080420\
Data File : QV413154.D
Acq On : 4 Aug 2020 4:15 pm
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4080420A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



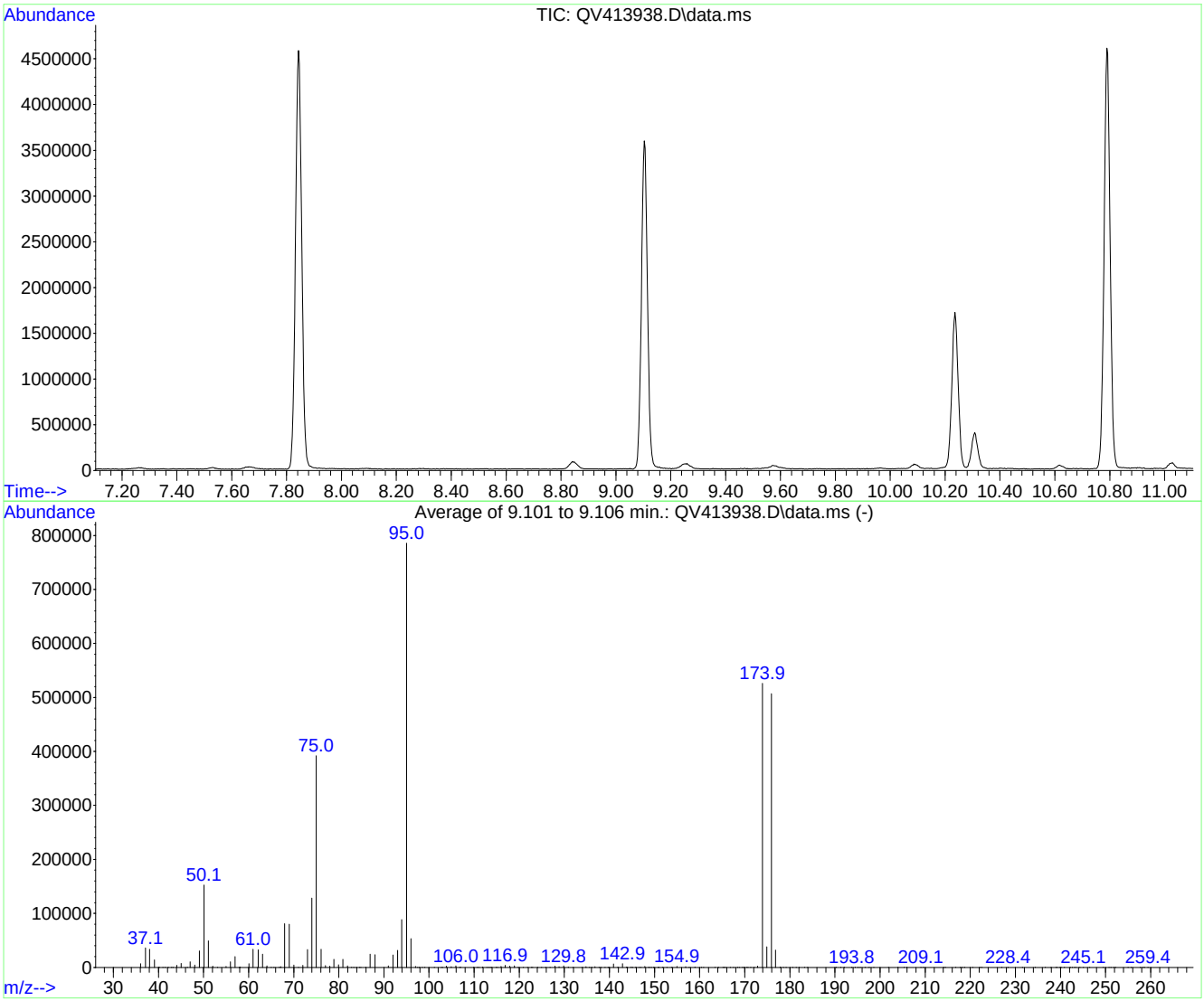
Spectrum Information: Average of 9.101 to 9.106 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	157568	PASS
75	95	30	60	55.4	375552	PASS
95	95	100	100	100.0	677739	PASS
96	95	5	9	7.1	48339	PASS
173	174	0.00	2	0.7	2742	PASS
174	95	50	100	59.5	403229	PASS
175	174	5	9	7.1	28795	PASS
176	174	95	101	97.4	392704	PASS
177	176	5	9	6.9	27075	PASS

Data Path : C:\msdchem\1\data\090220\
Data File : QV413938.D
Acq On : 3 Sep 2020 2:15 am
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4090220B
ALS Vial : 26 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



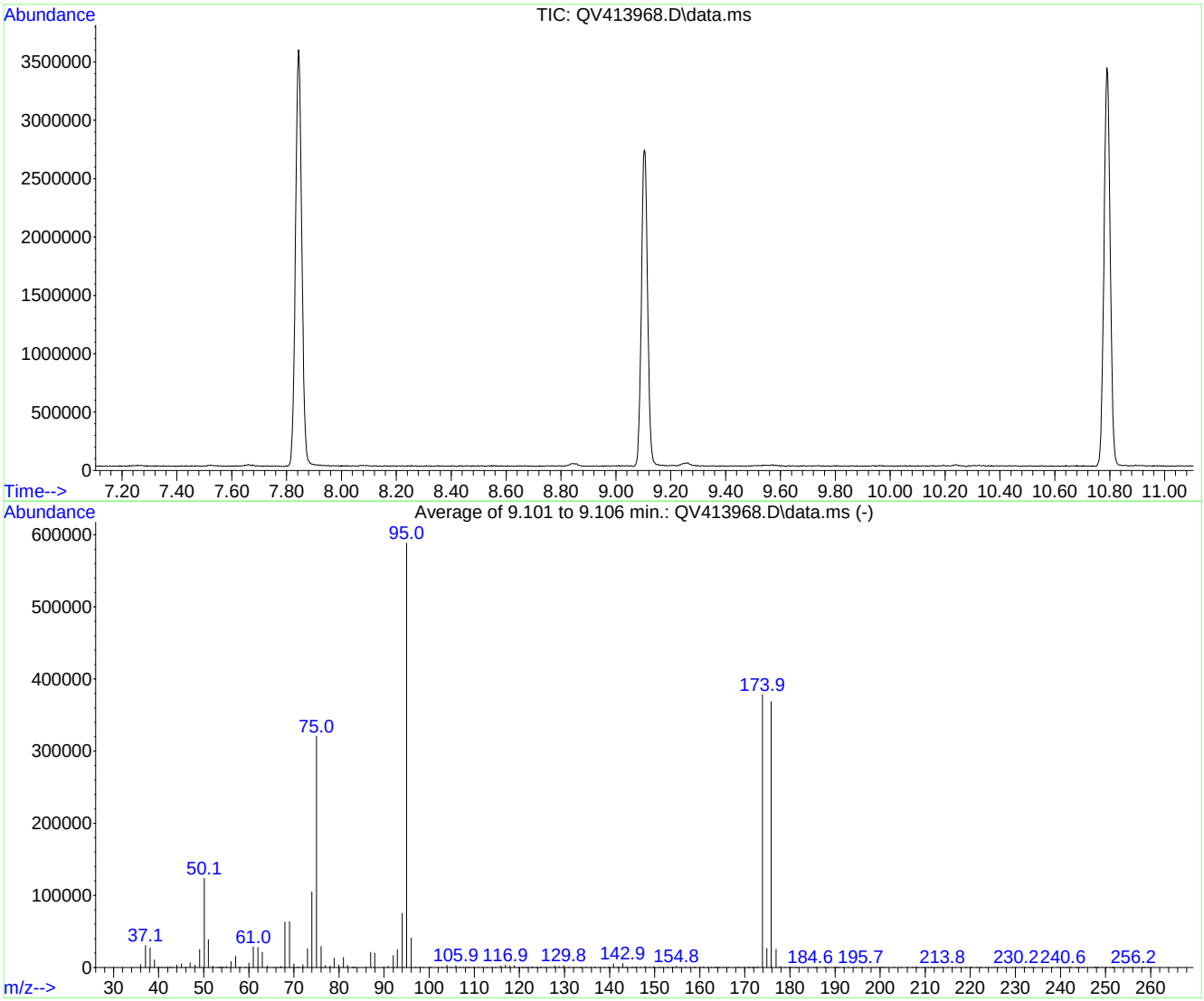
AutoFind: Scans 2971, 2972, 2973; Background Corrected with Scan 2955

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	152299	PASS
75	95	30	60	49.9	392043	PASS
95	95	100	100	100.0	785493	PASS
96	95	5	9	6.8	53280	PASS
173	174	0.00	2	0.5	2423	PASS
174	95	50	100	67.0	526272	PASS
175	174	5	9	7.3	38168	PASS
176	174	95	101	96.3	506694	PASS
177	176	5	9	6.3	32114	PASS

Data Path : C:\msdchem\1\data\090220\
Data File : QV413968.D
Acq On : 3 Sep 2020 2:12 pm
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4090320A
ALS Vial : 29 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



Spectrum Information: Average of 9.101 to 9.106 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	123691	PASS
75	95	30	60	54.5	320640	PASS
95	95	100	100	100.0	588288	PASS
96	95	5	9	6.9	40675	PASS
173	174	0.00	2	0.2	805	PASS
174	95	50	100	64.3	378389	PASS
175	174	5	9	6.9	26178	PASS
176	174	95	101	97.5	368753	PASS
177	176	5	9	6.8	25113	PASS

METHOD BLANK RAW DATA

SDG: 20H1207
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK1	File ID:	QV413973.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 16:26	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK1	File ID:	QV413973.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 16:26	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK1	File ID:	QV413973.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 16:26	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	43.8	87.6	77 - 125	
SURR: Toluene-d8	50.0	50.8	102	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.8	106	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	480159	4.877	496055	4.877	
ISTD: Chlorobenzene-d5	1770377	7.846	1841792	7.843	
ISTD: 1,2-Dichlorobenzene-d4	760053	10.79	892805	10.792	

Quantitation Report (QT/LSC Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413973.D
Acq On : 3 Sep 2020 4:26 pm
Operator : TMP
Sample : BI00143-BLK1
Misc : QBQV4090320A
ALS Vial : 34 Sample Multiplier: 1

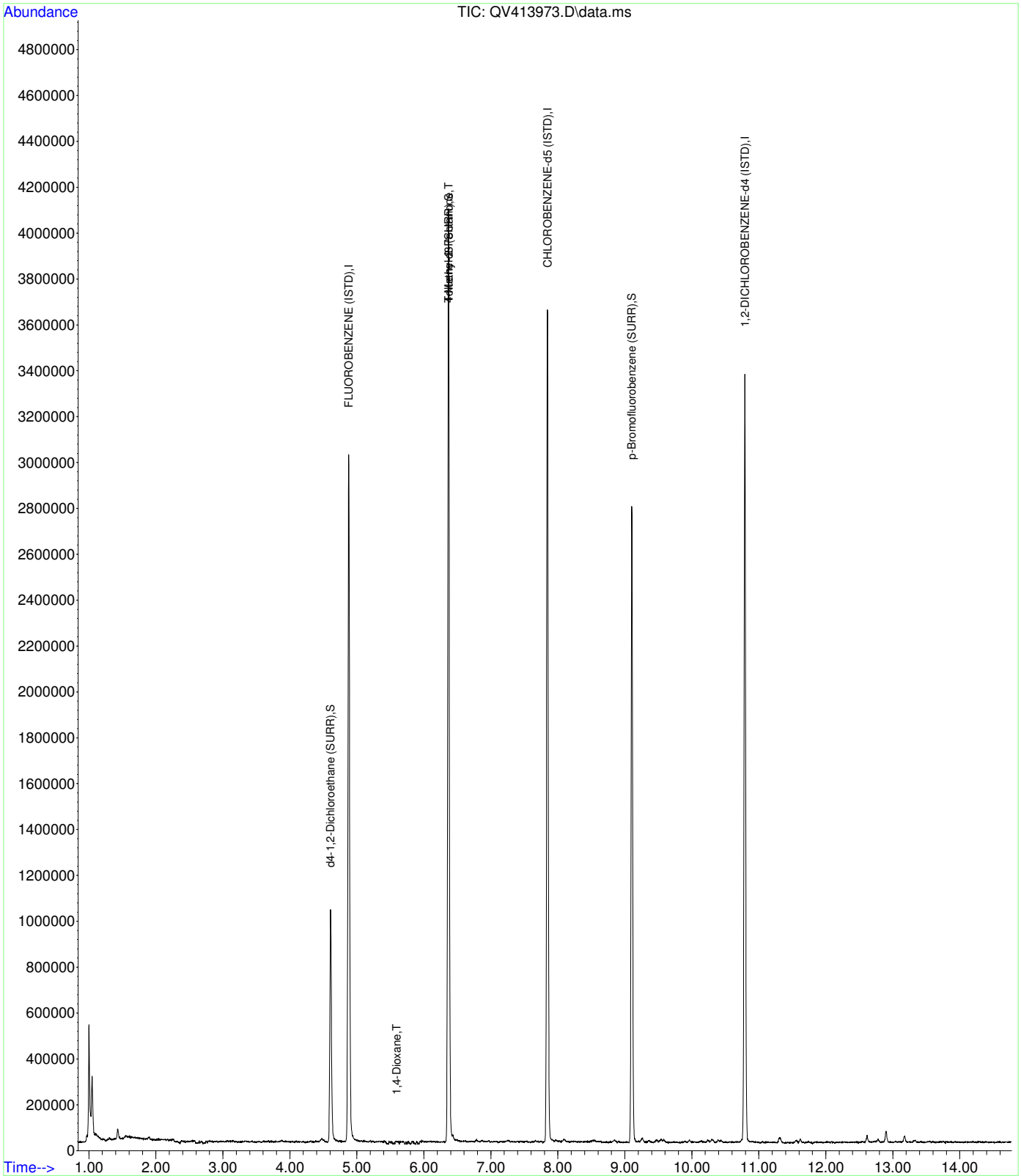
Quant Time: Sep 04 13:54:22 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

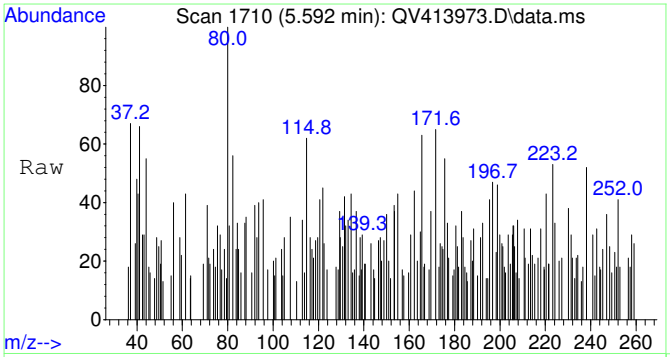
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	480159	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1770377	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	760053	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.605	65	656810	43.79	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 87.58%			
54) Toluene-d8 (SURR)	6.369	98	2410755	50.84	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 101.68%			
73) p-Bromofluorobenzene (...	9.103	95	933826	52.81	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 105.62%			
Target Compounds						Qvalue
48) 1,4-Dioxane	5.592	88	124	2.36	ppb	89
53) 4-Methyl-2-Pentanone	6.369	43	13117	2.12	ppb #	1

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

Data Path : C:\msdchem\1\data\090220\
Data File : QV413973.D
Acq On : 3 Sep 2020 4:26 pm
Operator : TMP
Sample : BI00143-BLK1
Misc : QBQV4090320A
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 04 13:54:22 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

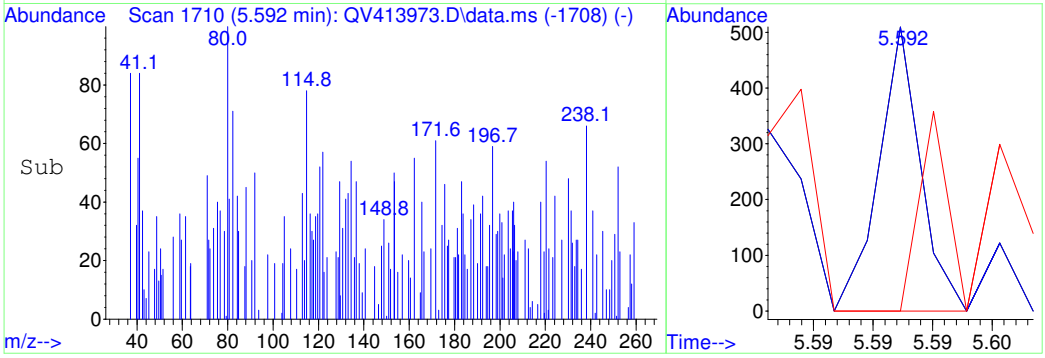


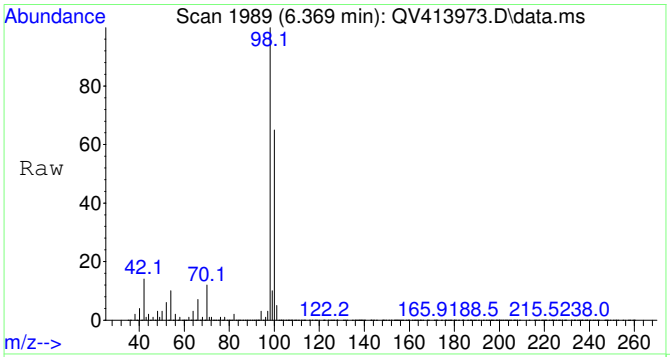


#48
1,4-Dioxane
Concen: 2.36 ppb
RT: 5.592 min Scan# 1710
Delta R.T. -0.011 min
Lab File: QV413973.D
Acq: 3 Sep 2020 4:26 pm

Tgt Ion: 88 Resp: 124

Ion	Ratio	Lower	Upper
88	100		
88	100.0	71.8	107.6
58	48.4	28.1	84.4

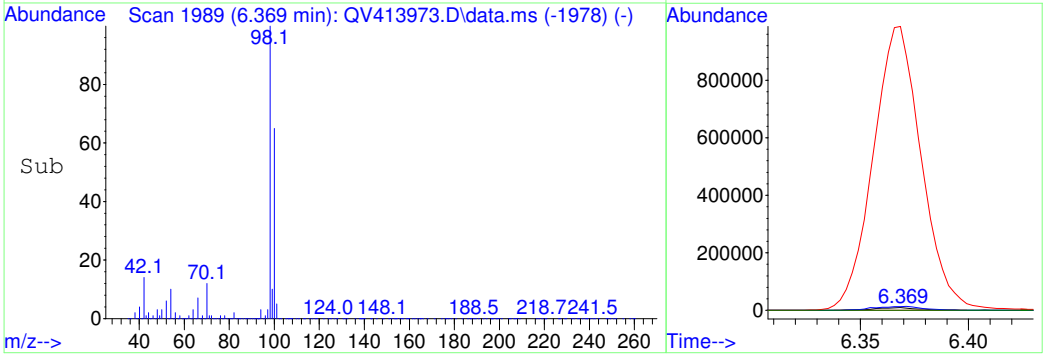




#53
4-Methyl-2-Pentanone
Concen: 2.12 ppb
RT: 6.369 min Scan# 1989
Delta R.T. 0.076 min
Lab File: QV413973.D
Acq: 3 Sep 2020 4:26 pm

Tgt Ion: 43 Resp: 13117

Ion	Ratio	Lower	Upper
43	100		
58	166.6	25.7	53.5#
100	11719.8	8.1	24.3#
85	3.1	8.7	26.1#



FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK2	File ID:	QV413975.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 17:18	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK2	File ID:	QV413975.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 17:18	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00143-BLK2	File ID:	QV413975.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 17:18	Instrument:	QVOA4		
Batch:	BI00143	Sequence:	Y0I0437	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	48.0	96.0	77 - 125	
SURR: Toluene-d8	50.0	50.4	101	85 - 120	
SURR: p-Bromofluorobenzene	50.0	51.9	104	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	440735	4.88	496055	4.877	
ISTD: Chlorobenzene-d5	1629301	7.846	1841792	7.843	
ISTD: 1,2-Dichlorobenzene-d4	723558	10.792	892805	10.792	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413975.D
Acq On : 3 Sep 2020 5:18 pm
Operator : TMP
Sample : BI00143-BLK2
Misc : QBQV4090320A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 10:01:31 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

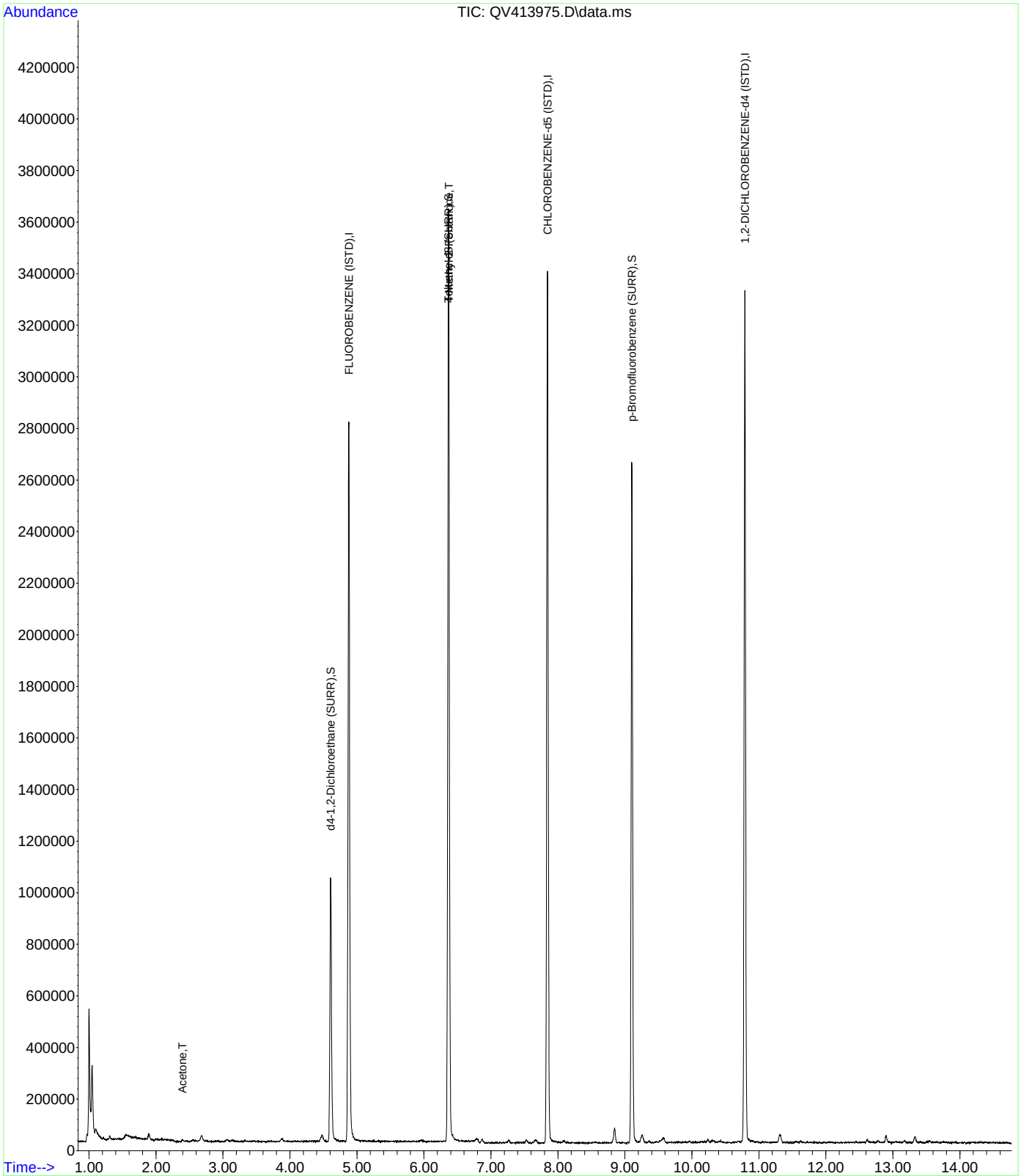
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.880	70	440735	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1629301	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	723558	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	660600	47.98	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 95.96%			
54) Toluene-d8 (SURR)	6.366	98	2199816	50.41	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.82%			
73) p-Bromofluorobenzene (...	9.106	95	873405	51.88	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 103.76%			
Target Compounds						Qvalue
13) Acetone	2.393	43	6163	2.48	ppb	# 36
53) 4-Methyl-2-Pentanone	6.371	43	12443	2.18	ppb	# 1

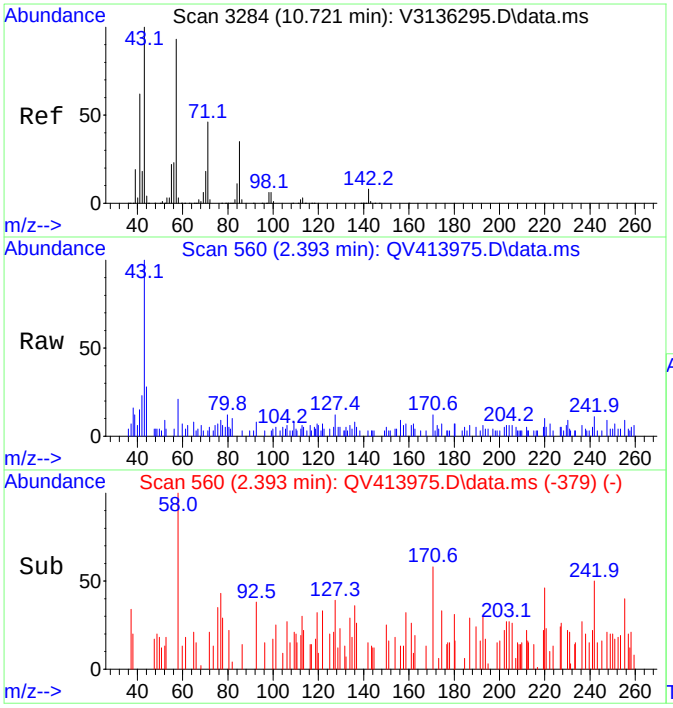
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413975.D
Acq On : 3 Sep 2020 5:18 pm
Operator : TMP
Sample : BI00143-BLK2
Misc : QBQV4090320A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 04 10:01:31 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

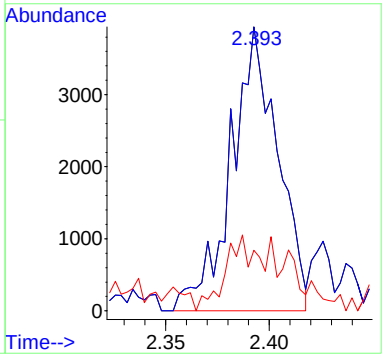


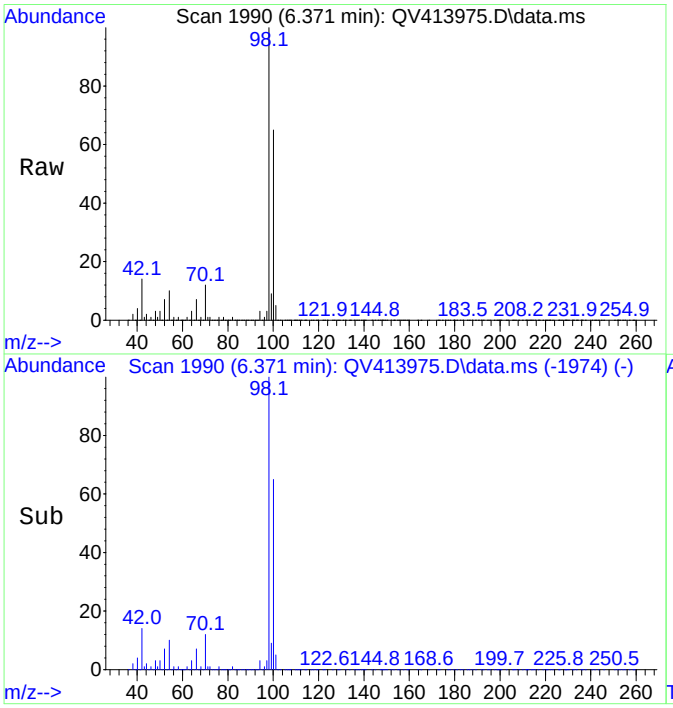


#13
Acetone
Concen: 2.48 ppb
RT: 2.393 min Scan# 560
Delta R.T. 0.003 min
Lab File: QV413975.D
Acq: 3 Sep 2020 5:18 pm

Tgt Ion: 43 Resp: 6163

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	18.5	15.1	45.3

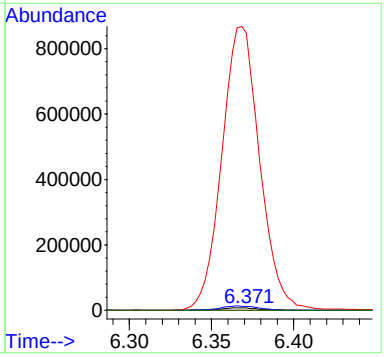




#53
4-Methyl-2-Pentanone
Concen: 2.18 ppb
RT: 6.371 min Scan# 1990
Delta R.T. 0.078 min
Lab File: QV413975.D
Acq: 3 Sep 2020 5:18 pm

Tgt Ion: 43 Resp: 12443

Ion	Ratio	Lower	Upper
43	100		
58	177.7	25.7	53.5#
100	11238.9	8.1	24.3#
85	2.9	8.7	26.1#



METHOD BLANK RAW DATA

SDG: 20H1207
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00207-BLK1	File ID:	QV413943.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 04:35	Instrument:	QVOA4		
Batch:	BI00207	Sequence:	Y0I0351	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00207-BLK1	File ID:	QV413943.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 04:35	Instrument:	QVOA4		
Batch:	BI00207	Sequence:	Y0I0351	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20H1207
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park, NY
Matrix:	Soil	Laboratory ID:	BI00207-BLK1	File ID:	QV413943.D
Prepared:	09/02/20 06:55	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/03/20 04:35	Instrument:	QVOA4		
Batch:	BI00207	Sequence:	Y0I0351	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.0	98.0	77 - 125	
SURR: Toluene-d8	50.0	49.6	99.1	85 - 120	
SURR: p-Bromofluorobenzene	50.0	50.9	102	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	505508	4.877	533987	4.877	
ISTD: Chlorobenzene-d5	1916835	7.843	2013216	7.843	
ISTD: 1,2-Dichlorobenzene-d4	874839	10.789	999963	10.792	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413943.D
Acq On : 3 Sep 2020 4:35 am
Operator : TMP
Sample : BI00207-BLK1
Misc : QBQV4090220B
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 04:50:57 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

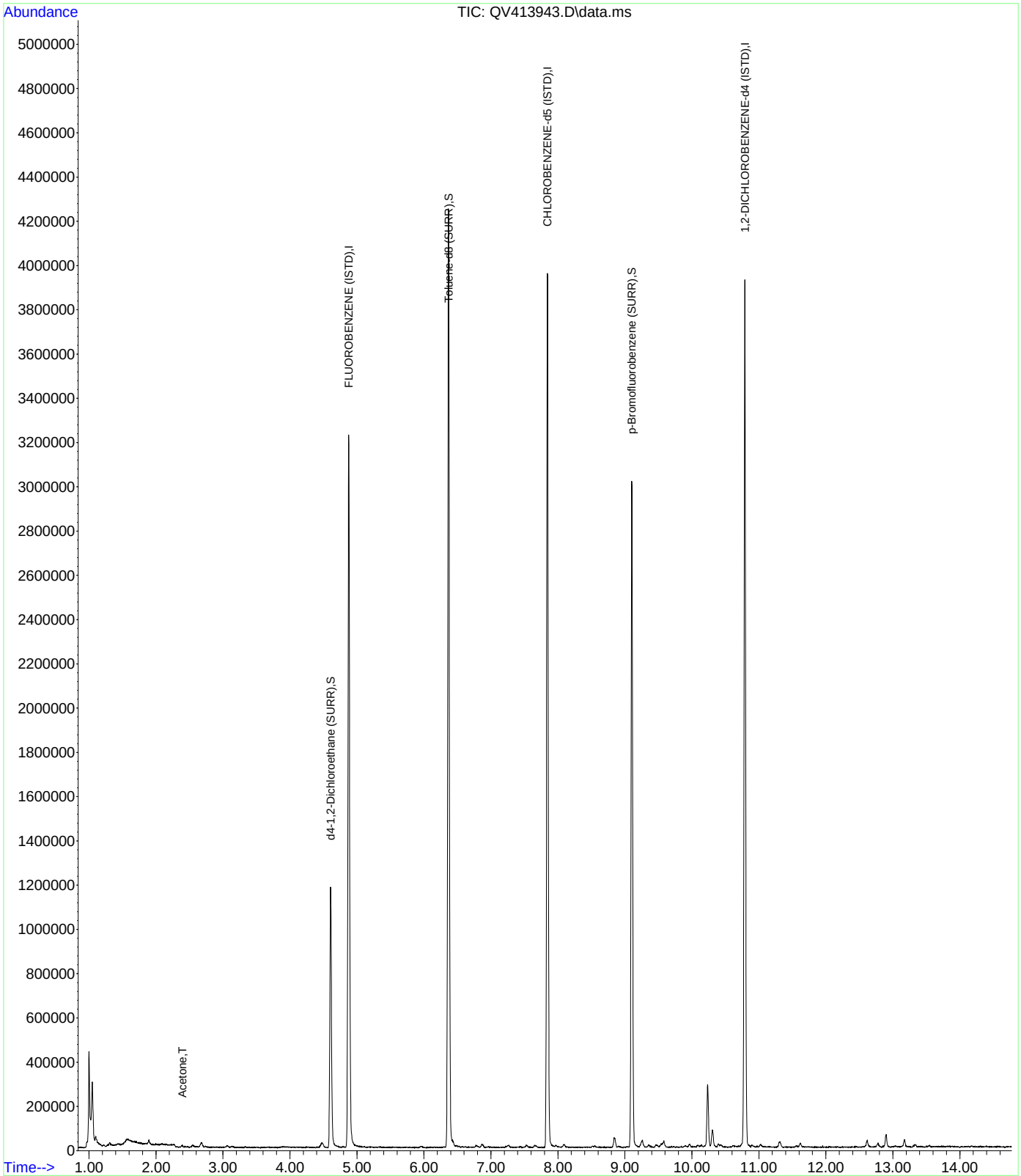
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	505508	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1916835	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.789	152	874839	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	773579	48.99	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.98%			
54) Toluene-d8 (SURR)	6.368	98	2544479	49.56	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.12%			
73) p-Bromofluorobenzene (...	9.103	95	1036097	50.90	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 101.80%			
Target Compounds						Qvalue
13) Acetone	2.393	43	7962	2.79	ppb	# 30

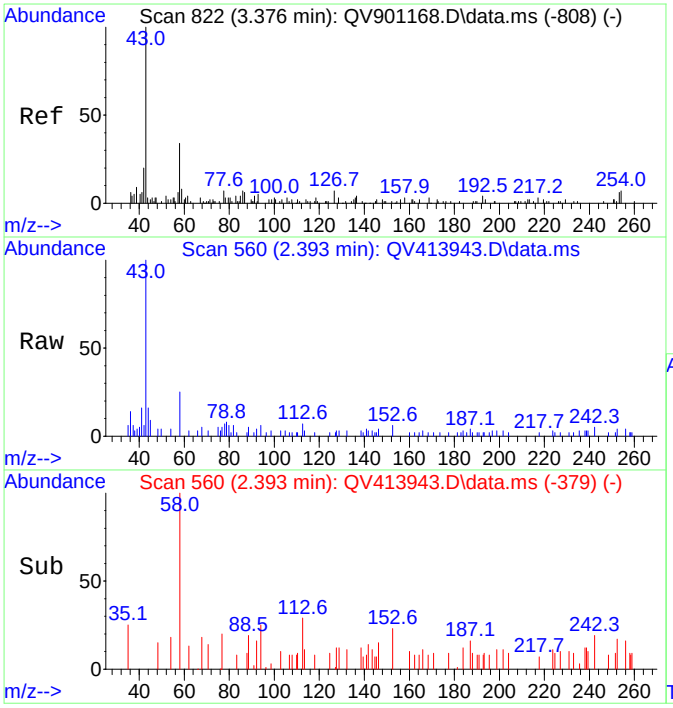
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413943.D
Acq On : 3 Sep 2020 4:35 am
Operator : TMP
Sample : BI00207-BLK1
Misc : QBQV4090220B
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 03 04:50:57 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

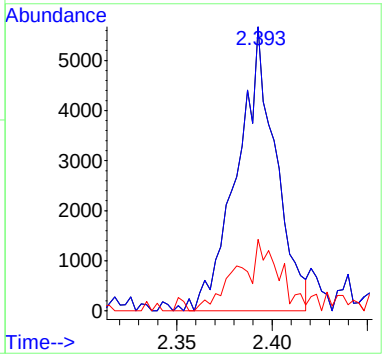




#13
Acetone
Concen: 2.79 ppb
RT: 2.393 min Scan# 560
Delta R.T. 0.003 min
Lab File: QV413943.D
Acq: 3 Sep 2020 4:35 am

Tgt Ion: 43 Resp: 7962

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	11.8	15.1	45.3#



LCS RAW DATA

SDG: 20H1207
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413971.D
Acq On : 3 Sep 2020 3:30 pm
Operator : TMP
Sample : BI00143-BS1
Misc : QBQV4090320A
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 03 16:04:59 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	485058	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1813961	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	879598	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	749380	49.46	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.92%				
54) Toluene-d8 (SURR)	6.366	98	2391392	49.22	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 98.44%				
73) p-Bromofluorobenzene (...	9.103	95	985296	48.15	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 96.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	394235	65.25	ppb		100
3) Chloromethane	1.291	50	575983m	60.93	ppb		
4) Vinyl Chloride	1.335	62	542639	61.30	ppb		100
5) Bromomethane	1.580	94	231802	61.89	ppb		99
6) Allyl Chloride	2.612	76	168090	43.77	ppb	#	100
7) Chloroethane	1.655	64	319875	64.05	ppb		99
8) Trichlorofluoromethane	1.842	101	783898	49.95	ppb		97
10) Freon-113	2.262	101	425467	55.30	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	598248	47.76	ppb		88
12) Acrolein	2.248	56	11070	26.36	ppb		96
13) Acetone	2.390	43	96828	35.40	ppb	#	40
14) Iodomethane	2.432	142	345264	53.34	ppb	#	20
15) Methyl Acetate	2.651	43	206883	40.84	ppb		95
16) Carbon disulfide	2.471	76	904288	46.18	ppb		100
17) tert-Butyl Alcohol (TBA)	2.893	59	139081	236.14	ppb	#	1
18) Methylene Chloride	2.740	49	472624	47.33	ppb		87
19) Acrylonitrile	3.002	53	84982	48.70	ppb		98
20) trans-1,2-Dichloroethy...	2.952	61	510735	45.87	ppb		92
21) tert-Butyl Methyl Ethe...	2.944	73	860035	46.09	ppb		99
22) 1,1-Dichloroethane	3.336	63	640948	43.92	ppb	#	99
23) Vinyl Acetate	3.383	43	354689	36.11	ppb	#	99
24) Diisopropyl ether (DIPE)	3.353	45	1165579	42.75	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.672	59	1052938	44.85	ppb	#	97
26) cis-1,2-Dichloroethylene	3.862	61	576059	43.76	ppb		91
27) 2-Butanone	3.901	72	27671m	52.87	ppb		
28) 2,2-Dichloropropane	3.828	77	567351	43.21	ppb	#	88
29) Tetrahydrofuran	4.120	42	88966	45.86	ppb	#	63
30) Bromochloromethane	4.081	49	291940	44.38	ppb		85
31) Chloroform	4.157	83	645233	46.28	ppb	#	92
32) 1,1,1-Trichloroethane	4.273	97	602589	45.97	ppb	#	85
33) Cyclohexane	4.285	56	615106	44.09	ppb		90
34) 1,1-Dichloropropylene	4.421	75	512438	44.93	ppb		87
36) Carbon Tetrachloride	4.407	117	481867	48.39	ppb		100
37) tert-Amyl alcohol (TAA)	4.685	59	253114	503.17	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	497185m	45.35	ppb		
39) Benzene	4.616	78	1328868	46.49	ppb	#	85
40) tert-Amyl methyl ether...	4.694	73	1012190	47.27	ppb	#	91
42) Trichloroethylene	5.214	95	358054	44.41	ppb		83
43) Methyl Cyclohexane	5.336	83	613685	43.28	ppb	#	76
44) Methyl Methacrylate	5.550	69	182204	45.43	ppb	#	97
45) Dibromomethane	5.578	93	180513	43.97	ppb	#	66
46) Bromodichloromethane	5.729	83	429450	42.96	ppb		99
47) 1,2-Dichloropropane	5.445	63	327057	41.80	ppb	#	81
48) 1,4-Dioxane	5.603	88	58517	1086.20	ppb		87
49) 2-Chloroethyl vinyl ether	6.010	63	190336	58.37	ppb		98
50) 2-nitropropane	5.979	43	26892	48.30	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	530403	42.95	ppb		90
52) ethyl methacrylate	6.764	69	363945	45.92	ppb	#	100

Data Path : C:\msdchem\1\data\090220\
Data File : QV413971.D
Acq On : 3 Sep 2020 3:30 pm
Operator : TMP
Sample : BI00143-BS1
Misc : QBQV4090320A
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 03 16:04:59 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

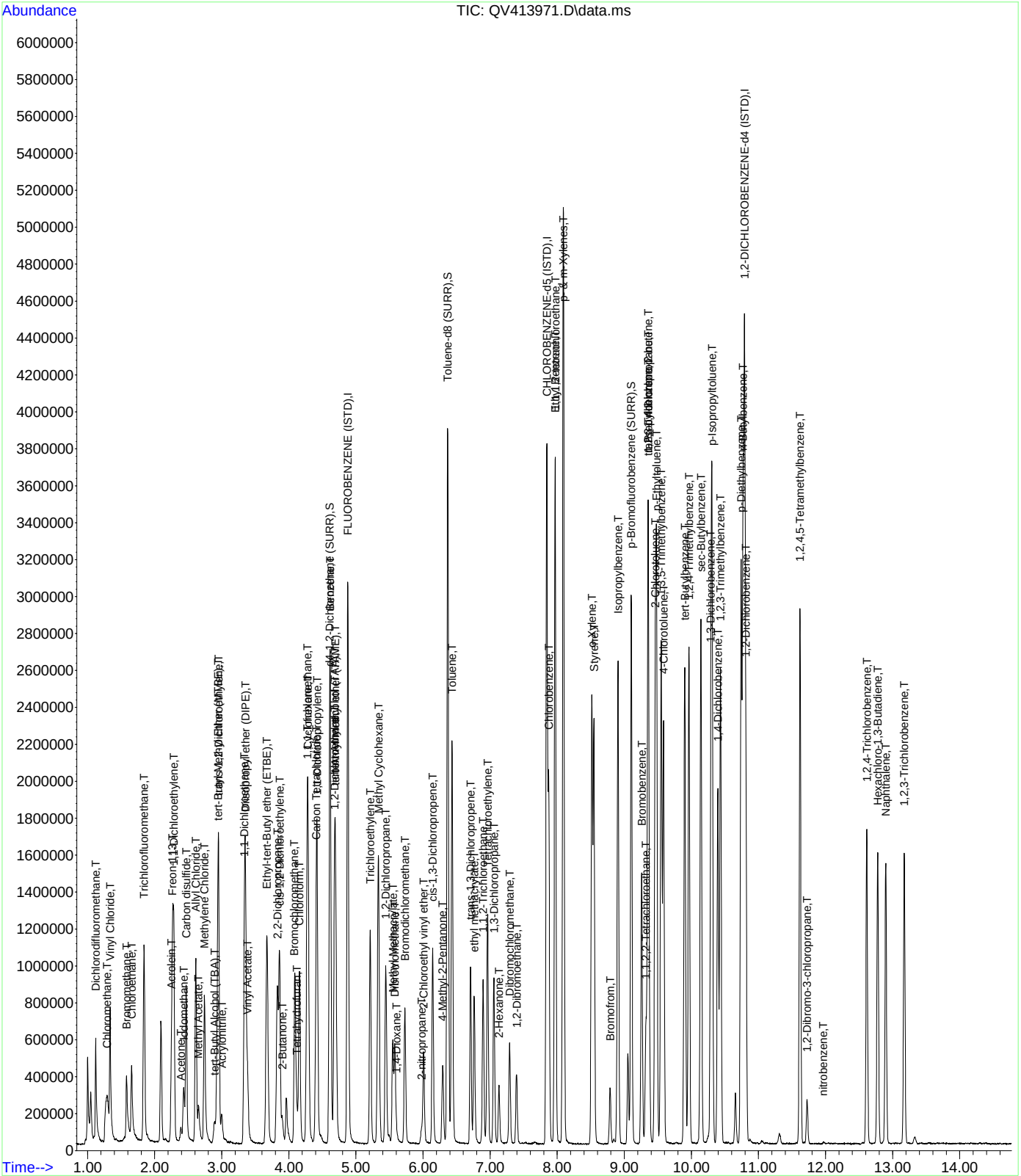
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.291	43	303460	47.81	ppb	#	87
55) Toluene	6.432	91	1435740	43.31	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	464981	41.71	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	239546	44.21	ppb		92
58) 1,3-Dichloropropane	7.058	76	456645	42.59	ppb	#	90
59) Tetrachloroethylene	6.964	166	293304	41.13	ppb	#	71
60) 2-Hexanone	7.134	43	212137	47.28	ppb		91
61) Dibromochloromethane	7.289	129	256445	45.52	ppb		95
62) 1,2-Dibromoethane	7.395	107	249830	44.58	ppb		97
63) Chlorobenzene	7.874	112	895244	44.15	ppb	#	86
64) 1,1,1,2-tetrachloroethane	7.971	131	295763	35.80	ppb	#	52
65) Ethyl Benzene	7.968	91	1762511	42.66	ppb		94
66) p- & m-Xylenes	8.091	91	2840920	85.76	ppb		92
67) o-Xylene	8.516	91	1389069	42.30	ppb		97
68) Styrene	8.547	104	1009732	44.46	ppb	#	100
69) Bromofrom	8.789	173	120772	34.29	ppb	#	81
71) p-Ethyltoluene	9.482	105	1785567	44.22	ppb	#	97
72) Isopropylbenzene	8.906	105	1679692	40.85	ppb		94
74) 1,1,2,2-Tetrachloroethane	9.320	83	311109	44.48	ppb	#	100
75) Bromobenzene	9.259	77	635031	42.19	ppb	#	75
76) trans-1,4-Dichloro-2-b...	9.357	75	389787	43.49	ppb	#	50
77) 1,2,3-Trichloropropane	9.354	110	105731	43.94	ppb		94
78) n-Propylbenzene	9.354	91	2196957	41.14	ppb		95
79) 2-Chlorotoluene	9.460	91	1460059	41.55	ppb		98
80) 4-Chlorotoluene	9.585	91	1331219	37.68	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	1489292	41.90	ppb		91
82) tert-Butylbenzene	9.902	119	1230602	41.31	ppb		84
83) 1,2,4-Trimethylbenzene	9.963	105	1491550	40.74	ppb		88
84) sec-Butylbenzene	10.141	105	2001673	44.85	ppb		93
86) 1,3-Dichlorobenzene	10.289	146	697050	42.38	ppb	#	89
87) p-Isopropyltoluene	10.308	119	1717061	42.60	ppb		93
88) 1,4-Dichlorobenzene	10.394	146	674596	42.35	ppb	#	89
89) 1,2,3-Trimethylbenzene	10.433	105	1490393	46.11	ppb		93
90) nitrobenzene	11.964	77	2817m	35.23	ppb		
91) p-Diethylbenzene	10.742	105	1036063	49.01	ppb		93
92) 1,2-Dichlorobenzene	10.812	146	655645	43.51	ppb		96
93) n-Butylbenzene	10.767	91	2007744m	42.42	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	64786	44.07	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.619	119	1542012	43.62	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	445997	45.18	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.776	225	266444	45.29	ppb	#	79
98) Naphthalene	12.898	128	1112389	46.66	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	401638	47.05	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413971.D
Acq On : 3 Sep 2020 3:30 pm
Operator : TMP
Sample : BI00143-BS1
Misc : QBQV4090320A
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 03 16:04:59 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413972.D
Acq On : 3 Sep 2020 3:56 pm
Operator : TMP
Sample : BI00143-BSD1
Misc : QBQV4090320A
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 03 16:17:03 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	498350	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1837569	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	884923	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	767036	49.27	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.54%				
54) Toluene-d8 (SURR)	6.366	98	2452168	49.82	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.64%				
73) p-Bromofluorobenzene (...	9.106	95	994023	48.28	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 96.56%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	437395	70.46	ppb		100
3) Chloromethane	1.285	50	627637	64.63	ppb	#	69
4) Vinyl Chloride	1.335	62	601976	66.19	ppb		100
5) Bromomethane	1.580	94	244057	63.42	ppb		98
6) Allyl Chloride	2.613	76	183551	46.52	ppb	#	100
7) Chloroethane	1.658	64	342619	66.77	ppb		100
8) Trichlorofluoromethane	1.842	101	865769	53.70	ppb		97
10) Freon-113	2.265	101	464363	58.74	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	652083	50.67	ppb		89
12) Acrolein	2.254	56	8738	20.25	ppb		93
13) Acetone	2.393	43	110088	39.18	ppb	#	40
14) Iodomethane	2.434	142	377613	56.78	ppb	#	20
15) Methyl Acetate	2.651	43	237703	45.68	ppb		95
16) Carbon disulfide	2.471	76	980977	48.76	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	151082	249.68	ppb	#	1
18) Methylene Chloride	2.741	49	514258	50.13	ppb		87
19) Acrylonitrile	2.996	53	94848	52.90	ppb		98
20) trans-1,2-Dichloroethy...	2.955	61	553171	48.35	ppb		92
21) tert-Butyl Methyl Ethe...	2.941	73	948994	49.50	ppb		99
22) 1,1-Dichloroethane	3.339	63	690997	46.09	ppb	#	99
23) Vinyl Acetate	3.383	43	434838	43.09	ppb		100
24) Diisopropyl ether (DIPE)	3.355	45	1271639	45.40	ppb		96
25) Ethyl-tert-Butyl ether...	3.673	59	1152660	47.79	ppb	#	79
26) cis-1,2-Dichloroethylene	3.859	61	630392	46.61	ppb		90
27) 2-Butanone	3.901	72	32875	61.13	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	617839	45.80	ppb		97
29) Tetrahydrofuran	4.115	42	102804	51.58	ppb		76
30) Bromochloromethane	4.084	49	322008	47.65	ppb		84
31) Chloroform	4.159	83	692653	48.36	ppb		100
32) 1,1,1-Trichloroethane	4.274	97	652358	48.44	ppb		100
33) Cyclohexane	4.287	56	687776	47.99	ppb		89
34) 1,1-Dichloropropylene	4.421	75	557376	47.57	ppb		88
36) Carbon Tetrachloride	4.407	117	535027	52.29	ppb		100
37) tert-Amyl alcohol (TAA)	4.688	59	282371	546.35	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	528677	46.94	ppb		99
39) Benzene	4.619	78	1454346	49.52	ppb	#	86
40) tert-Amyl methyl ether...	4.694	73	1116865	50.77	ppb	#	92
42) Trichloroethylene	5.211	95	390510	47.81	ppb		82
43) Methyl Cyclohexane	5.336	83	665245	46.31	ppb	#	76
44) Methyl Methacrylate	5.551	69	201337	49.56	ppb	#	81
45) Dibromomethane	5.581	93	191686	46.09	ppb	#	63
46) Bromodichloromethane	5.729	83	473915	46.80	ppb		99
47) 1,2-Dichloropropane	5.442	63	352281	44.45	ppb	#	96
48) 1,4-Dioxane	5.601	88	61346	1124.08	ppb		84
49) 2-Chloroethyl vinyl ether	6.010	63	209568	63.44	ppb		97
50) 2-nitropropane	5.973	43	27970	49.47	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	570494	45.60	ppb		89
52) ethyl methacrylate	6.761	69	402142	50.09	ppb	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413972.D
Acq On : 3 Sep 2020 3:56 pm
Operator : TMP
Sample : BI00143-BSD1
Misc : QBQV4090320A
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 03 16:17:03 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

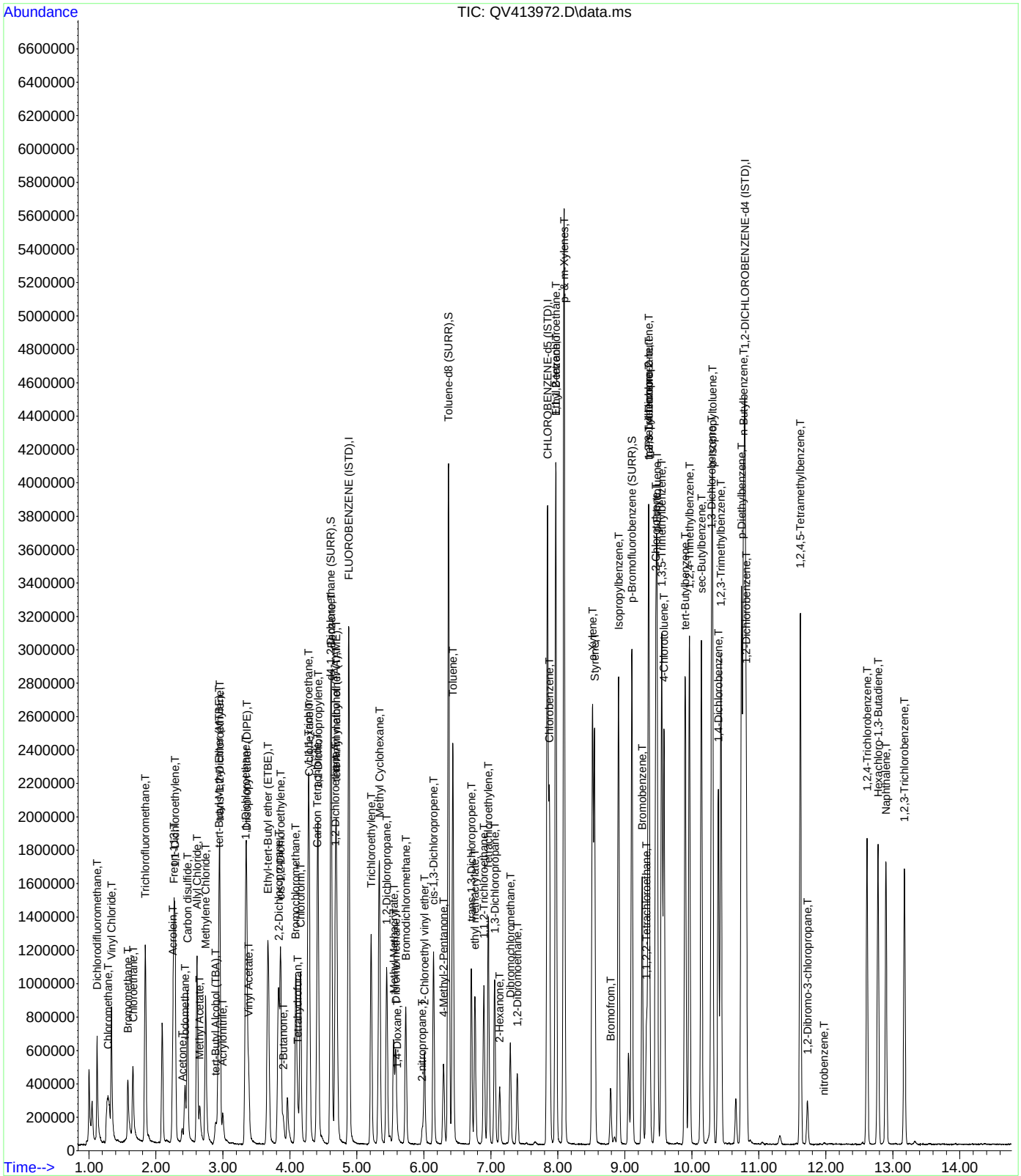
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	341595	53.13	ppb	#	86
55) Toluene	6.433	91	1576408	46.95	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	515190	45.62	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	264552	48.20	ppb		94
58) 1,3-Dichloropropane	7.056	76	506516	46.64	ppb	#	90
59) Tetrachloroethylene	6.961	166	320938	44.42	ppb	#	79
60) 2-Hexanone	7.128	43	234256	51.54	ppb		92
61) Dibromochloromethane	7.292	129	289173	50.67	ppb		96
62) 1,2-Dibromoethane	7.392	107	273707	48.21	ppb		97
63) Chlorobenzene	7.874	112	972470	47.34	ppb	#	86
64) 1,1,1,2-tetrachloroethane	7.968	131	321465	38.41	ppb	#	54
65) Ethyl Benzene	7.968	91	1927682	46.06	ppb		94
66) p- & m-Xylenes	8.094	91	3099416	92.36	ppb		92
67) o-Xylene	8.516	91	1504053	45.22	ppb		96
68) Styrene	8.547	104	1090855	47.41	ppb	#	100
69) Bromofrom	8.786	173	135858	38.08	ppb	#	81
71) p-Ethyltoluene	9.482	105	1923309	47.34	ppb	#	97
72) Isopropylbenzene	8.906	105	1843041	44.55	ppb		94
74) 1,1,2,2-Tetrachloroethane	9.321	83	344252	48.93	ppb	#	100
75) Bromobenzene	9.257	77	682375	45.07	ppb		77
76) trans-1,4-Dichloro-2-b...	9.354	75	427690	47.44	ppb	#	51
77) 1,2,3-Trichloropropane	9.354	110	113619	46.93	ppb		92
78) n-Propylbenzene	9.357	91	2364364	44.01	ppb		95
79) 2-Chlorotoluene	9.462	91	1585437	44.85	ppb		97
80) 4-Chlorotoluene	9.582	91	1421991	40.01	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	1628458	45.54	ppb		92
82) tert-Butylbenzene	9.899	119	1359208	45.36	ppb		84
83) 1,2,4-Trimethylbenzene	9.963	105	1625977	44.14	ppb		88
84) sec-Butylbenzene	10.141	105	2174805	48.43	ppb		93
86) 1,3-Dichlorobenzene	10.294	146	754636m	45.61	ppb		
87) p-Isopropyltoluene	10.308	119	1876065	46.26	ppb		93
88) 1,4-Dichlorobenzene	10.394	146	724693	45.22	ppb	#	89
89) 1,2,3-Trimethylbenzene	10.433	105	1629303	50.11	ppb		93
90) nitrobenzene	11.969	77	4004m	50.76	ppb		
91) p-Diethylbenzene	10.742	105	1102641	51.84	ppb		91
92) 1,2-Dichlorobenzene	10.812	146	711241m	46.91	ppb		
93) n-Butylbenzene	10.770	91	2184582m	45.88	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	70489	47.66	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.619	119	1688015	47.47	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	469541	47.28	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	291965	49.32	ppb		79
98) Naphthalene	12.896	128	1221021	50.91	ppb		100
99) 1,2,3-Trichlorobenzene	13.174	180	431693	50.26	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413972.D
Acq On : 3 Sep 2020 3:56 pm
Operator : TMP
Sample : BI00143-BSD1
Misc : QBQV4090320A
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 03 16:17:03 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



LCS RAW DATA

SDG: 20H1207
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413941.D
Acq On : 3 Sep 2020 3:43 am
Operator : TMP
Sample : BI00207-BS1
Misc : QBQV4090220B
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 03:59:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	520710	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1938598	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	949361	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	779273	47.91	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 95.82%				
54) Toluene-d8 (SURR)	6.366	98	2563068	49.36	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 98.72%				
73) p-Bromofluorobenzene (...	9.103	95	1048218	47.46	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 94.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	447852	69.04	ppb		100
3) Chloromethane	1.274	50	624043	61.50	ppb	#	67
4) Vinyl Chloride	1.335	62	595060	62.62	ppb		100
5) Bromomethane	1.580	94	220731	54.89	ppb		95
6) Allyl Chloride	2.612	76	185074	44.90	ppb	#	100
7) Chloroethane	1.655	64	324052	60.44	ppb		100
8) Trichlorofluoromethane	1.842	101	848708	50.38	ppb		97
10) Freon-113	2.267	101	469923	56.89	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	677442	50.38	ppb		92
12) Acrolein	2.248	56	33740	74.85	ppb		95
13) Acetone	2.387	43	102444	34.89	ppb	#	42
14) Iodomethane	2.434	142	387263	55.73	ppb	#	58
15) Methyl Acetate	2.651	43	220491	40.55	ppb		95
16) Carbon disulfide	2.470	76	1022618	48.65	ppb		100
17) tert-Butyl Alcohol (TBA)	2.888	59	146973	232.46	ppb	#	1
18) Methylene Chloride	2.743	49	490910	45.80	ppb		89
19) Acrylonitrile	2.999	53	96294	51.40	ppb		99
20) trans-1,2-Dichloroethy...	2.952	61	563204	47.12	ppb		92
21) tert-Butyl Methyl Ethe...	2.938	73	901323	45.00	ppb		99
22) 1,1-Dichloroethane	3.339	63	691030	44.11	ppb	#	96
23) Vinyl Acetate	3.383	43	433528	41.12	ppb		100
24) Diisopropyl ether (DIPE)	3.355	45	1227593	41.95	ppb		96
25) Ethyl-tert-Butyl ether...	3.675	59	1111886	44.12	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	635157	44.95	ppb		91
27) 2-Butanone	3.903	72	27099	48.23	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	664662	47.16	ppb	#	88
29) Tetrahydrofuran	4.120	42	97182	46.66	ppb		81
30) Bromochloromethane	4.084	49	310622	43.99	ppb		85
31) Chloroform	4.159	83	679081	45.38	ppb	#	72
32) 1,1,1-Trichloroethane	4.271	97	662314	47.07	ppb		99
33) Cyclohexane	4.285	56	684980	45.74	ppb		90
34) 1,1-Dichloropropylene	4.424	75	571198	46.66	ppb		88
36) Carbon Tetrachloride	4.410	117	546751	51.15	ppb	#	91
37) tert-Amyl alcohol (TAA)	4.691	59	265468	491.59	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	503014	42.74	ppb		99
39) Benzene	4.618	78	1444491	47.07	ppb	#	86
40) tert-Amyl methyl ether...	4.696	73	1072291	46.65	ppb	#	90
42) Trichloroethylene	5.214	95	398134	46.21	ppb		83
43) Methyl Cyclohexane	5.336	83	690457	45.56	ppb	#	78
44) Methyl Methacrylate	5.550	69	193913	45.24	ppb	#	81
45) Dibromomethane	5.578	93	189117	43.10	ppb		93
46) Bromodichloromethane	5.728	83	466797	43.69	ppb		98
47) 1,2-Dichloropropane	5.447	63	348535	41.68	ppb	#	97
48) 1,4-Dioxane	5.595	88	59225	1028.66	ppb		84
49) 2-Chloroethyl vinyl ether	6.010	63	199344	57.20	ppb		98
50) 2-nitropropane	5.976	43	33193	55.01	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	575817	43.63	ppb		91
52) ethyl methacrylate	6.763	69	386685	45.65	ppb	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413941.D
Acq On : 3 Sep 2020 3:43 am
Operator : TMP
Sample : BI00207-BS1
Misc : QBQV4090220B
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 03:59:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

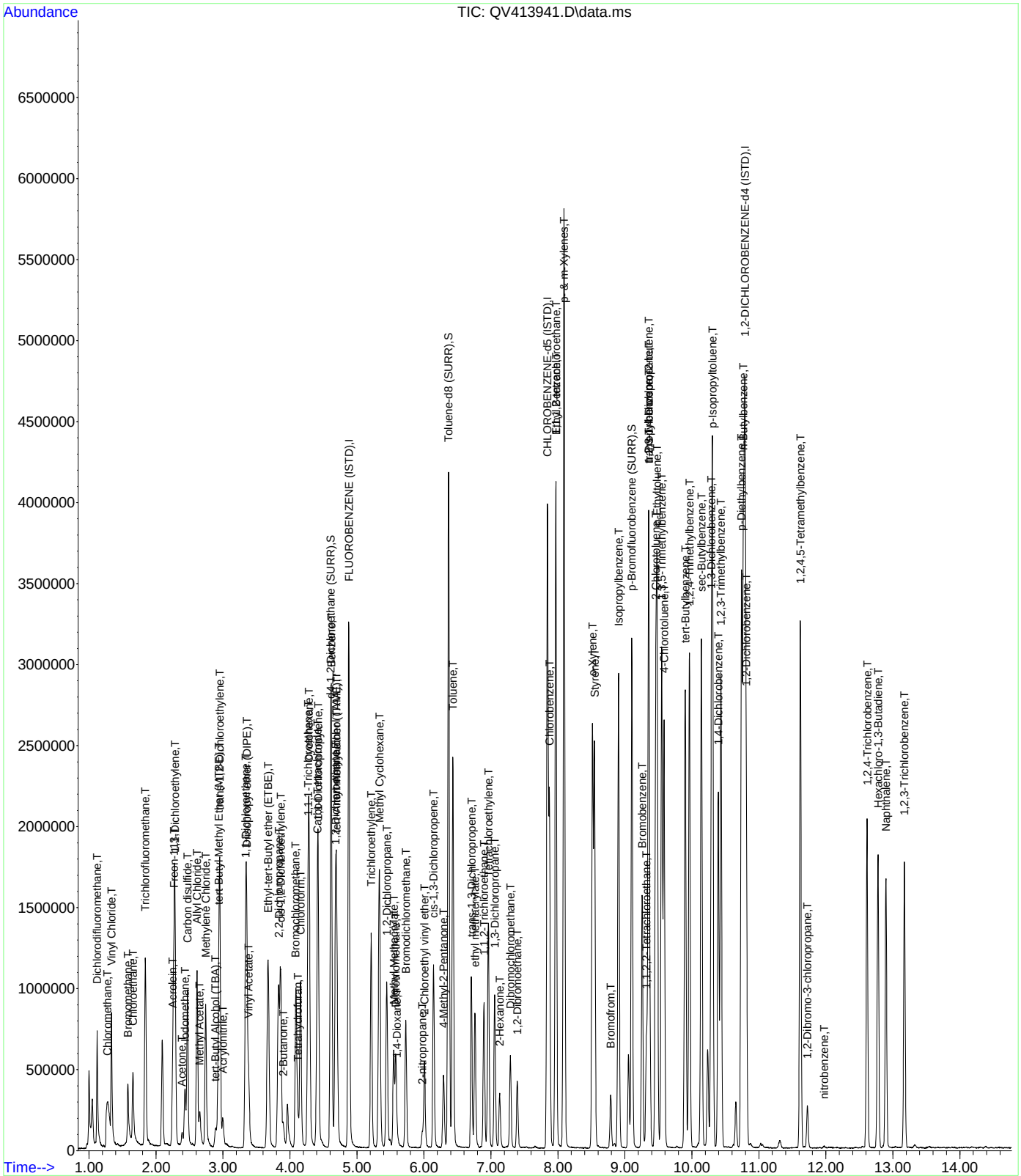
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	320884	47.31	ppb	#	86
55) Toluene	6.432	91	1584221	44.72	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	502940	42.21	ppb		98
57) 1,1,2-Trichloroethane	6.897	97	259009	44.73	ppb		95
58) 1,3-Dichloropropane	7.056	76	483158	42.17	ppb	#	91
59) Tetrachloroethylene	6.964	166	340556	44.68	ppb		93
60) 2-Hexanone	7.131	43	226369	47.21	ppb		92
61) Dibromochloromethane	7.292	129	277787	46.14	ppb		95
62) 1,2-Dibromoethane	7.392	107	267398	44.65	ppb		98
63) Chlorobenzene	7.874	112	993117	45.83	ppb	#	87
64) 1,1,1,2-tetrachloroethane	7.971	131	320473	36.30	ppb	#	53
65) Ethyl Benzene	7.971	91	1962924	44.46	ppb		95
66) p- & m-Xylenes	8.091	91	3173853	89.65	ppb		92
67) o-Xylene	8.516	91	1511967	43.09	ppb		97
68) Styrene	8.547	104	1115003	45.94	ppb	#	100
69) Bromofrom	8.786	173	140295	37.28	ppb		98
71) p-Ethyltoluene	9.482	105	2017070	46.28	ppb	#	97
72) Isopropylbenzene	8.906	105	1895219	42.71	ppb		94
74) 1,1,2,2-Tetrachloroethane	9.320	83	335633	44.46	ppb	#	100
75) Bromobenzene	9.256	77	683211	42.06	ppb		78
76) trans-1,4-Dichloro-2-b...	9.357	75	435762	45.05	ppb	#	52
77) 1,2,3-Trichloropropane	9.357	110	112533	43.33	ppb		90
78) n-Propylbenzene	9.357	91	2469502	42.85	ppb		95
79) 2-Chlorotoluene	9.462	91	1625666	42.87	ppb		98
80) 4-Chlorotoluene	9.585	91	1476963	38.73	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	1678446	43.75	ppb		91
82) tert-Butylbenzene	9.902	119	1391651	43.29	ppb		85
83) 1,2,4-Trimethylbenzene	9.963	105	1681146	42.54	ppb		88
84) sec-Butylbenzene	10.141	105	2233204	46.36	ppb		94
86) 1,3-Dichlorobenzene	10.291	146	798929	45.01	ppb	#	89
87) p-Isopropyltoluene	10.308	119	2054549	47.23	ppb		94
88) 1,4-Dichlorobenzene	10.394	146	768980	44.72	ppb	#	90
89) 1,2,3-Trimethylbenzene	10.433	105	1655036	47.45	ppb		93
90) nitrobenzene	11.972	77	3252m	37.80	ppb		
91) p-Diethylbenzene	10.739	105	1197129	52.46	ppb		92
92) 1,2-Dichlorobenzene	10.812	146	733385	45.09	ppb	#	88
93) n-Butylbenzene	10.767	91	2481774	48.58	ppb		96
94) 1,2-Dibromo-3-chloropr...	11.724	75	71381	44.99	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1760987	46.16	ppb		90
96) 1,2,4-Trichlorobenzene	12.617	180	519600	48.77	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	313619	49.39	ppb		80
98) Naphthalene	12.898	128	1224718	47.59	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	454569	49.33	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413941.D
Acq On : 3 Sep 2020 3:43 am
Operator : TMP
Sample : BI00207-BS1
Misc : QBQV4090220B
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 03 03:59:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413942.D
Acq On : 3 Sep 2020 4:09 am
Operator : TMP
Sample : BI00207-BSD1
Misc : QBQV4090220B
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 04:25:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	524390	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1979016	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	991560	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	798017	48.72	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.44%				
54) Toluene-d8 (SURR)	6.366	98	2615644	49.35	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 98.70%				
73) p-Bromofluorobenzene (...	9.106	95	1088627	47.19	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 94.38%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	487605	74.65	ppb		100
3) Chloromethane	1.285	50	678039	66.35	ppb	#	94
4) Vinyl Chloride	1.335	62	637394	66.61	ppb		100
5) Bromomethane	1.580	94	217789	53.78	ppb		96
6) Allyl Chloride	2.610	76	205431	49.48	ppb	#	100
7) Chloroethane	1.655	64	357946	66.29	ppb		99
8) Trichlorofluoromethane	1.842	101	906936	53.46	ppb		97
10) Freon-113	2.262	101	498179	59.89	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	715341	52.83	ppb		91
12) Acrolein	2.248	56	36743	80.94	ppb		96
13) Acetone	2.393	43	109366	36.99	ppb	#	42
14) Iodomethane	2.434	142	434713	62.12	ppb	#	20
15) Methyl Acetate	2.651	43	244269	44.61	ppb		95
16) Carbon disulfide	2.470	76	1102889	52.10	ppb		100
17) tert-Butyl Alcohol (TBA)	2.893	59	163508	256.79	ppb	#	1
18) Methylene Chloride	2.740	49	543434	50.34	ppb		87
19) Acrylonitrile	3.002	53	104988	55.65	ppb		98
20) trans-1,2-Dichloroethy...	2.952	61	599140	49.77	ppb		93
21) tert-Butyl Methyl Ethe...	2.938	73	1012394	50.19	ppb	#	93
22) 1,1-Dichloroethane	3.339	63	747676	47.39	ppb	#	96
23) Vinyl Acetate	3.383	43	512722	48.29	ppb		100
24) Diisopropyl ether (DIPE)	3.350	45	1350118	45.81	ppb		96
25) Ethyl-tert-Butyl ether...	3.675	59	1240409	48.88	ppb	#	97
26) cis-1,2-Dichloroethylene	3.862	61	698020	49.05	ppb		90
27) 2-Butanone	3.895	72	33343	58.92	ppb	#	49
28) 2,2-Dichloropropane	3.828	77	731513	51.54	ppb		98
29) Tetrahydrofuran	4.115	42	109525	52.22	ppb	#	63
30) Bromochloromethane	4.084	49	339313	47.72	ppb		85
31) Chloroform	4.157	83	752628	49.94	ppb	#	72
32) 1,1,1-Trichloroethane	4.273	97	728657	51.42	ppb	#	85
33) Cyclohexane	4.285	56	747511	49.57	ppb		90
34) 1,1-Dichloropropylene	4.421	75	619289	50.23	ppb		90
36) Carbon Tetrachloride	4.410	117	602774	55.99	ppb	#	58
37) tert-Amyl alcohol (TAA)	4.688	59	298758	549.36	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	564474	47.63	ppb		99
39) Benzene	4.616	78	1575460	50.98	ppb	#	86
40) tert-Amyl methyl ether...	4.693	73	1208688	52.21	ppb	#	90
42) Trichloroethylene	5.214	95	427931	48.65	ppb		83
43) Methyl Cyclohexane	5.333	83	747289	48.30	ppb	#	77
44) Methyl Methacrylate	5.548	69	215252	49.20	ppb	#	81
45) Dibromomethane	5.581	93	211617	47.25	ppb	#	65
46) Bromodichloromethane	5.728	83	518551	47.54	ppb		99
47) 1,2-Dichloropropane	5.445	63	379990	44.52	ppb	#	81
48) 1,4-Dioxane	5.598	88	63729	1084.29	ppb		83
49) 2-Chloroethyl vinyl ether	6.009	63	226658	63.71	ppb		98
50) 2-nitropropane	5.979	43	40159	64.00	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	637940	47.35	ppb		91
52) ethyl methacrylate	6.763	69	429912	49.72	ppb	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413942.D
Acq On : 3 Sep 2020 4:09 am
Operator : TMP
Sample : BI00207-BSD1
Misc : QBQV4090220B
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 04:25:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

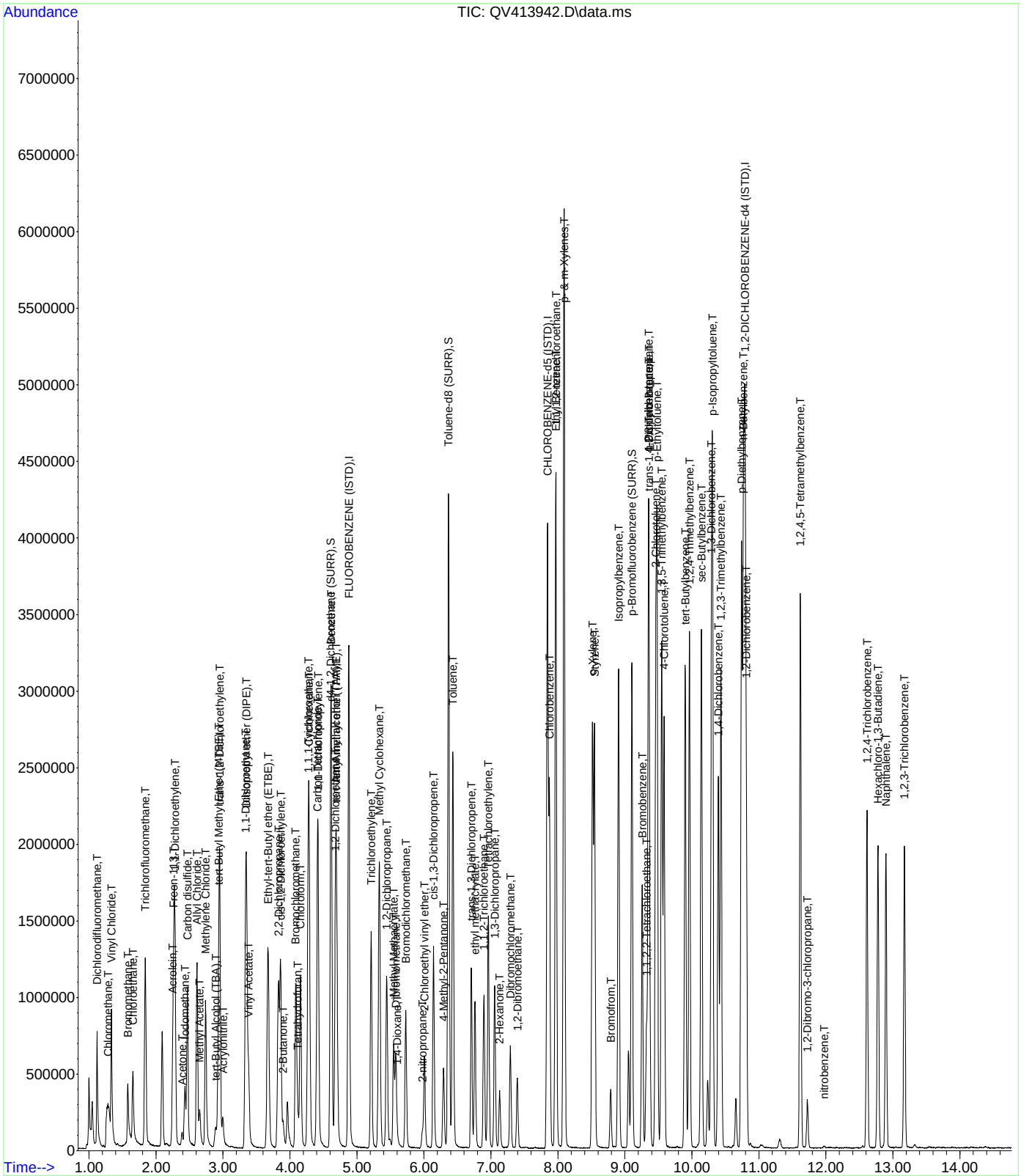
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	364385	52.62	ppb	#	86
55) Toluene	6.432	91	1721223	47.59	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	559522	46.00	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	282043	47.71	ppb		93
58) 1,3-Dichloropropane	7.056	76	549089	46.94	ppb	#	92
59) Tetrachloroethylene	6.961	166	369806	47.53	ppb	#	79
60) 2-Hexanone	7.128	43	248204	50.71	ppb		92
61) Dibromochloromethane	7.292	129	321980	52.39	ppb		97
62) 1,2-Dibromoethane	7.395	107	297779	48.70	ppb		98
63) Chlorobenzene	7.874	112	1082158	48.92	ppb	#	87
64) 1,1,1,2-tetrachloroethane	7.971	131	358363	39.76	ppb	#	52
65) Ethyl Benzene	7.968	91	2131767	47.30	ppb		95
66) p- & m-Xylenes	8.093	91	3455417	95.61	ppb		92
67) o-Xylene	8.516	91	1651183	46.09	ppb		97
68) Styrene	8.547	104	1195256	48.24	ppb	#	100
69) Bromofrom	8.789	173	156810	40.81	ppb	#	81
71) p-Ethyltoluene	9.479	105	2211590	48.59	ppb	#	97
72) Isopropylbenzene	8.906	105	2067365	44.60	ppb		94
74) 1,1,2,2-Tetrachloroethane	9.323	83	371755	47.15	ppb	#	100
75) Bromobenzene	9.259	77	749524	44.18	ppb		78
76) trans-1,4-Dichloro-2-b...	9.359	75	485276	48.03	ppb	#	53
77) 1,2,3-Trichloropropane	9.354	110	127184	46.88	ppb		90
78) n-Propylbenzene	9.354	91	2702274	44.89	ppb		95
79) 2-Chlorotoluene	9.462	91	1784285	45.05	ppb		97
80) 4-Chlorotoluene	9.585	91	1779521	44.68	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	1828809m	45.64	ppb		
82) tert-Butylbenzene	9.902	119	1526282	45.46	ppb		85
83) 1,2,4-Trimethylbenzene	9.963	105	1841919	44.63	ppb		89
84) sec-Butylbenzene	10.141	105	2437745	48.45	ppb		93
86) 1,3-Dichlorobenzene	10.291	146	890643	48.04	ppb	#	90
87) p-Isopropyltoluene	10.308	119	2229367	49.06	ppb		93
88) 1,4-Dichlorobenzene	10.397	146	860105	47.90	ppb	#	89
89) 1,2,3-Trimethylbenzene	10.433	105	1830774	50.25	ppb		94
90) nitrobenzene	11.972	77	4601m	52.14	ppb		
91) p-Diethylbenzene	10.742	105	1290366	54.14	ppb		92
92) 1,2-Dichlorobenzene	10.812	146	809890m	47.68	ppb		
93) n-Butylbenzene	10.767	91	2707319	50.74	ppb		96
94) 1,2-Dibromo-3-chloropr...	11.724	75	82693	49.90	ppb	#	76
95) 1,2,4,5-Tetramethylben...	11.618	119	1951298	48.97	ppb		91
96) 1,2,4-Trichlorobenzene	12.615	180	576558	51.81	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.776	225	335767	50.62	ppb		79
98) Naphthalene	12.898	128	1381159	51.39	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	509015	52.89	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413942.D
Acq On : 3 Sep 2020 4:09 am
Operator : TMP
Sample : BI00207-BSD1
Misc : QBQV4090220B
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 03 04:25:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



BENCHSHEETS

SDG: 20H1207

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00143

Preparation Date: 09/02/2020 06:59

York Analytical Laboratories, Inc. **Printed: 9/14/2020 4:56:57AM**

Matrix: Soil **Preparation: EPA 5035A** **Surrogate used: Y17H090 1 ul**

Lab Number	Analysis	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
20H1139-03 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				From BI00136 by AS on 09/(
20H1139-04 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				From BI00136 by AS on 09/(
20H1139-05 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				From BI00136 by AS on 09/(
20H1141-01 A	Volatile Organics, Suffolk Co. App.A DHS List	5	5				From BI00136 by AS on 09/(
20H1142-02 H	Volatile Organics, 8260 - Comprehensive	12.19	5				
20H1142-02 H	Volatile Organics, Tentatively Identified Cmpds	12.19	5				
20H1142-03 H	Volatile Organics, 8260 - Comprehensive	8.05	5				From BI00136 by AS on 09/(
20H1142-03 H	Volatile Organics, Tentatively Identified Cmpds	8.05	5				From BI00136 by AS on 09/(
20H1142-04 H	Volatile Organics, 8260 - Comprehensive	10.32	5				From BI00136 by AS on 09/(
20H1142-04 H	Volatile Organics, Tentatively Identified Cmpds	10.32	5				From BI00136 by AS on 09/(
20H1192-01 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				From BI00136 by AS on 09/(
20H1207-04 B	Volatile Organics, 8260 - Comprehensive	7.61	5				
20H1207-05 B	Volatile Organics, 8260 - Comprehensive	7.22	5				
20H1207-06 B	Volatile Organics, 8260 - Comprehensive	8.34	5				
20I0032-01 B	VOA, 8260 MASTER	3.65	5				From BI00136 by AS on 09/(
20I0174-01 B	VOA, 8260 MASTER	5.88	5				
20I0174-02 B	VOA, 8260 MASTER	5.78	5				
BI00143-BLK1	QC	5	5				
BI00143-BLK2	QC	5	5				
BI00143-BLK3	QC	5	5				
BI00143-BLK4	QC	5	5				
BI00143-BS1	QC	5	5	Y20H309		5	
BI00143-BSD1	QC	5	5	Y20H309		5	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y17B088	VOA - Ottawa Sand Mix	051215	Y20E174	Q_VOA_Methanol - P&T Grade	JA095425

Preparations Performed by **KHA** **Date:** **09/02/2020 06:55**

BENCHSHEETS

SDG: 20H1207

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00207

Preparation Date: 09/02/2020 06:55

York Analytical Laboratories, Inc. **Printed: 9/9/2020 5:15:33AM**

Matrix: Soil **Preparation: EPA 5035A** **Surrogate used: Y17H090 1 ul**

Lab Number	Analysis	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
20H1079-03RE1 C	Volatile Organics, 8260 - Comprehensive	5.92	5				From BH01746 by AS on 09
20H1170-06 B	Volatile Organics, Nassau Co. DOH Target List	6.34	5				From BI00143 by KHA on 0
20H1170-07 B	Volatile Organics, Nassau Co. DOH Target List	6	5				From BI00143 by KHA on 0
20H1170-08 B	Volatile Organics, Nassau Co. DOH Target List	5.95	5				From BI00143 by KHA on 0
20H1189-01 B	Volatile Organics, CP-51 (formerly STARS) Lis	8.38	5				From BI00143 by KHA on 0
20H1207-01 B	Volatile Organics, 8260 - Comprehensive	8.42	5				From BI00143 by KHA on 0
20H1207-02 B	Volatile Organics, 8260 - Comprehensive	8.24	5				From BI00143 by KHA on 0
20H1207-03 B	Volatile Organics, 8260 - Comprehensive	7.97	5				From BI00143 by KHA on 0
20H1220-01 B	VOA, 8260 MASTER	4.06	5				From BI00143 by KHA on 0
20H1220-02 B	VOA, 8260 MASTER	5.66	5				From BI00143 by KHA on 0
20H1220-03 B	VOA, 8260 MASTER	5.58	5				From BI00143 by KHA on 0
20H1221-01 B	VOA, 8260 MASTER	6.22	5				From BI00143 by KHA on 0
20H1221-02 B	VOA, 8260 MASTER	6.03	5				From BI00143 by KHA on 0
20H1221-03 B	VOA, 8260 MASTER	6.56	5				From BI00143 by KHA on 0
BI00207-BLK1	QC	5	5				
BI00207-BLK2	QC	5	5				
BI00207-BLK3	QC	5	5				
BI00207-BLK4	QC	5	5				
BI00207-BS1	QC	5	5	Y20H309		5	
BI00207-BSD1	QC	5	5	Y20H309		5	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y17B088	VOA - Ottawa Sand Mix	051215	Y20E174	Q_VOA_Methanol - P&T Grad	JA095425

Preparations Performed by **KHA** **Date:** **09/02/2020 06:55**

York Analytical Laboratories, Inc.
SDG: 20H1207
CLASS: WET
METHOD: SM 2540G

DATA PACKAGE COVER PAGE

SM 2540G

Laboratory: York Analytical Laboratories, Inc.
SDG: 20H1207
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Client Sample Id:	Lab Sample Id:
GB-15A (18-20)	20H1207-01
GB-15B (13-15)	20H1207-02
GB-15C (15-17)	20H1207-03
GB-15D (12-14)	20H1207-04
GB-16A (22-24)	20H1207-05
GB-DUP	20H1207-06

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the project narrative. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by

Signature: 
Name: Benjamin Gulizia

Date: 3/10/2021
Title: Laboratory Director

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-15A (18-20)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-01 File ID:

Sampled: 08/31/20 13:25 Prepared: 09/01/20 08:06 Analyzed: 09/01/20 16:31

Solids: 97.97 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00009 Sequence: Calibration: 09/01/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	98.0	1		SM 2540G

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-15B (13-15)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-02 File ID:

Sampled: 08/31/20 13:15 Prepared: 09/01/20 08:06 Analyzed: 09/01/20 16:31

Solids: 97.15 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00009 Sequence: Calibration: 09/01/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	97.2	1		SM 2540G

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-15C (15-17)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-03 File ID:

Sampled: 08/31/20 13:05 Prepared: 09/01/20 08:08 Analyzed: 09/01/20 16:37

Solids: 94.98 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00011 Sequence: Calibration: 09/01/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	95.0	1		SM 2540G

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-15D (12-14)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-04 File ID:

Sampled: 08/31/20 13:00 Prepared: 09/01/20 08:08 Analyzed: 09/01/20 16:37

Solids: 95.16 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00011 Sequence: Calibration: 09/01/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	95.2	1		SM 2540G

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-16A (22-24)

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-05 File ID:

Sampled: 08/31/20 14:20 Prepared: 09/01/20 08:08 Analyzed: 09/01/20 16:37

Solids: 97.71 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00011 Sequence: Calibration: 09/01/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	97.7	1		SM 2540G

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-DUP

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Matrix: Soil Laboratory ID: 20H1207-06 File ID:

Sampled: 08/31/20 14:20 Prepared: 09/01/20 08:08 Analyzed: 09/01/20 16:37

Solids: 97.83 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00011 Sequence: Calibration: 09/01/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	97.8	1		SM 2540G

FORM IV **PREPARATION BATCH SUMMARY**

SM 2540G

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Batch: BI00009 Batch Matrix: Soil Preparation: % Solids Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-15A (18-20)	20H1207-01		09/01/20 08:06	
GB-15B (13-15)	20H1207-02		09/01/20 08:06	

FORM IV **PREPARATION BATCH SUMMARY**

SM 2540G

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, NY

Batch: BI00011 Batch Matrix: Soil Preparation: % Solids Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-15C (15-17)	20H1207-03		09/01/20 08:08	
GB-15D (12-14)	20H1207-04		09/01/20 08:08	
GB-16A (22-24)	20H1207-05		09/01/20 08:08	
GB-DUP	20H1207-06		09/01/20 08:08	

BENCHSHEETS

SDG: 20H1207

CLASS: WET

METHOD: SM 2540G

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00009

Preparation Date: 09/01/2020 08:06

York Analytical Laboratories, Inc. **Printed: 3/10/2021 10:17:37PM**

Matrix: Soil **Preparation: % Solids Prep** **(No Surrogate)** **ul**

Lab Number	Analysis	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	Comments
20H1189-01 E	Total Solids	5	5				
20H1192-01 B	Total Solids	5	5				
20H1198-01 A	Total Solids	5	5				
20H1198-02 A	Total Solids	5	5				
20H1198-03 A	Total Solids	5	5				
20H1198-04 A	Total Solids	5	5				
20H1198-05 A	Total Solids	5	5				
20H1198-06 A	Total Solids	5	5				
20H1198-07 A	Total Solids	5	5				
20H1198-08 A	Total Solids	5	5				
20H1198-09 A	Total Solids	5	5				
20H1198-10 A	Total Solids	5	5				
20H1198-11 A	Total Solids	5	5				
20H1198-12 A	Total Solids	5	5				
20H1198-13 A	Total Solids	5	5				
20H1198-14 A	Total Solids	5	5				
20H1198-15 A	Total Solids	5	5				
20H1198-16 A	Total Solids	5	5				
20H1207-01 A	Total Solids	5	5				
20H1207-02 A	Total Solids	5	5				
BI00009-DUP1	QC	5	5		20H1198-16		

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by **WJM** **Date:** **09/01/2020 08:06**

BENCHSHEETS

SDG: 20H1207

CLASS: WET

METHOD: SM 2540G

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00011

Preparation Date: 09/01/2020 08:08

York Analytical Laboratories, Inc. **Printed: 9/9/2020 5:09:16AM**

Matrix: Soil **Preparation: % Solids Prep** **(No Surrogate)** **ul**

Lab Number	Analysis	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	Comments
20H1207-03 A	Total Solids	5	5				
20H1207-04 A	Total Solids	5	5				
20H1207-05 A	Total Solids	5	5				
20H1207-06 A	Total Solids	5	5				
20H1210-06 A	Total Solids	5	5				
20H1210-07 A	Total Solids	5	5				
20H1210-08 A	Total Solids	5	5				
20H1210-09 A	Total Solids	5	5				
20H1210-10 A	Total Solids	5	5				
20H1220-01 E	Total Solids	5	5				
20H1220-02 E	Total Solids	5	5				
20H1220-03 E	Total Solids	5	5				
20H1221-01 E	Total Solids	5	5				
20H1221-02 E	Total Solids	5	5				
20H1221-03 E	Total Solids	5	5				
BI00011-DUP1	QC	5	5		20H1221-03		

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by **WJM** **Date:** **09/01/2020 08:08**

YORK
ANALYTICAL LABORATORIES, INC.

TOTAL SOLIDS ELECTRONIC LOG

Sample No.	Analyte	Analysis Date	Analyst	Batch ID	Init. Result	Final Result	Units	Prep. Units
20H1198-16	% Solids	9/1/2020 4:31:59PM	SK	BI00009	43.24	43.2	%	g
20H1198-16	Final Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.52	1.52	%	g
20H1198-16	Initial Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.81	1.81	%	g
20H1198-16	Tare Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.29	1.29	%	g
20H1207-01	% Solids	9/1/2020 4:31:59PM	SK	BI00009	97.97	98.0	%	g
20H1207-01	Final Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.72	1.72	%	g
20H1207-01	Initial Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.73	1.73	%	g
20H1207-01	Tare Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.30	1.30	%	g
20H1207-02	% Solids	9/1/2020 4:31:59PM	SK	BI00009	97.15	97.2	%	g
20H1207-02	Final Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.76	1.76	%	g
20H1207-02	Initial Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.78	1.78	%	g
20H1207-02	Tare Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.30	1.30	%	g
20H1207-03	% Solids	9/1/2020 4:37:57PM	SK	BI00011	94.98	95.0	%	g
20H1207-03	Final Wt.	9/1/2020 4:37:57PM	SK	BI00011	2.19	2.19	%	g
20H1207-03	Initial Wt.	9/1/2020 4:37:57PM	SK	BI00011	2.24	2.24	%	g
20H1207-03	Tare Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.30	1.30	%	g
20H1207-04	% Solids	9/1/2020 4:37:57PM	SK	BI00011	95.16	95.2	%	g
20H1207-04	Final Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.93	1.93	%	g
20H1207-04	Initial Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.96	1.96	%	g
20H1207-04	Tare Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.29	1.29	%	g
20H1207-05	% Solids	9/1/2020 4:37:57PM	SK	BI00011	97.71	97.7	%	g
20H1207-05	Final Wt.	9/1/2020 4:37:57PM	SK	BI00011	2.12	2.12	%	g
20H1207-05	Initial Wt.	9/1/2020 4:37:57PM	SK	BI00011	2.14	2.14	%	g
20H1207-05	Tare Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.29	1.29	%	g
20H1207-06	% Solids	9/1/2020 4:37:57PM	SK	BI00011	97.83	97.8	%	g
20H1207-06	Final Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.62	1.62	%	g
20H1207-06	Initial Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.63	1.63	%	g
20H1207-06	Tare Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.29	1.29	%	g
20H1221-03	% Solids	9/1/2020 4:37:57PM	SK	BI00011	84.85	84.9	%	g
20H1221-03	Final Wt.	9/1/2020 4:37:57PM	SK	BI00011	3.80	3.80	%	g
20H1221-03	Initial Wt.	9/1/2020 4:37:57PM	SK	BI00011	4.25	4.25	%	g
20H1221-03	Tare Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.29	1.29	%	g
BI00009-DUP1	% Solids	9/1/2020 4:31:59PM	SK	BI00009	43.86	43.9	%	g
BI00009-DUP1	Final Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.44	1.44	%	g
BI00009-DUP1	Initial Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.63	1.63	%	g
BI00009-DUP1	Tare Wt.	9/1/2020 4:31:59PM	SK	BI00009	1.29	1.29	%	g
BI00011-DUP1	% Solids	9/1/2020 4:37:57PM	SK	BI00011	83.99	84.0	%	g
BI00011-DUP1	Final Wt.	9/1/2020 4:37:57PM	SK	BI00011	2.14	2.14	%	g
BI00011-DUP1	Initial Wt.	9/1/2020 4:37:57PM	SK	BI00011	2.31	2.31	%	g
BI00011-DUP1	Tare Wt.	9/1/2020 4:37:57PM	SK	BI00011	1.29	1.29	%	g

Note: Units for Tare, Initial and Final Wts. are in grams

HOLDING TIME SUMMARY

SM 2540G

Laboratory: York Analytical Laboratories, Inc. SDG: 20H1207

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park, N

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GB-15A (18-20)	08/31/20 13:25	08/31/20 16:15	09/01/20 08:06	0.78	28.00	09/01/20 16:31	1.13	28.00	
GB-15B (13-15)	08/31/20 13:15	08/31/20 16:15	09/01/20 08:06	0.79	28.00	09/01/20 16:31	1.14	28.00	
GB-15C (15-17)	08/31/20 13:05	08/31/20 16:15	09/01/20 08:08	0.79	28.00	09/01/20 16:37	1.15	28.00	
GB-15D (12-14)	08/31/20 13:00	08/31/20 16:15	09/01/20 08:08	0.80	28.00	09/01/20 16:37	1.15	28.00	
GB-16A (22-24)	08/31/20 14:20	08/31/20 16:15	09/01/20 08:08	0.74	28.00	09/01/20 16:37	1.10	28.00	
GB-DUP	08/31/20 14:20	08/31/20 16:15	09/01/20 08:08	0.74	28.00	09/01/20 16:37	1.10	28.00	

METHOD DETECTION AND REPORTING LIMITS

SM 2540G

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20H1207

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyd

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
% Solids	0.100	0.100	%

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Technical Report

prepared for:

Walden Associates
16 Spring Street
Oyster Bay NY, 11771
Attention: Nora Brew

Report Date: 03/10/2021
Client Project ID: IMPL0115.6 218 Lakeville Road New Hyde Park
York Project (SDG) No.: 20I0044

Report Date: 03/10/2021
Client Project ID: IMPL0115.6 218 Lakeville Road New Hyde Park
York Project (SDG) No.: 20I0044

Walden Associates
16 Spring Street
Oyster Bay NY, 11771
Attention: Nora Brew

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 01, 2020 and listed below. The project was identified as your project: **IMPL0115.6 218 Lakeville Road New Hyde Park**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20I0044-01	GB-16B (12-14)	Soil	08/31/2020	09/01/2020
20I0044-02	FB-1	Water	08/31/2020	09/01/2020
20I0044-03	FB-2	Water	09/01/2020	09/01/2020
20I0044-04	TB-1	Water	09/01/2020	09/01/2020

General Notes for York Project (SDG) No.: 20I0044

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 03/10/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GB-16B (12-14) **York Sample ID:** 20I0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Soil	August 31, 2020 3:30 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	27	53	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-16B (12-14) **York Sample ID:** 20I0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Soil	August 31, 2020 3:30 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-16B (12-14)

York Sample ID: 20I0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Soil	August 31, 2020 3:30 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.7	5.3	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**3.4**		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.3	2.7	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.0	8.0	1	EPA 8260C	09/02/2020 06:59	09/04/2020 08:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.0 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Sample Information

Client Sample ID: GB-16B (12-14) **York Sample ID:** 20I0044-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Soil	August 31, 2020 3:30 pm	09/01/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	96.4		%	0.100	1	SM 2540G	09/02/2020 08:05	09/02/2020 16:06	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 20I0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	August 31, 2020 2:00 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 20I0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	August 31, 2020 2:00 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	**Acetone**	**48**		ug/L	1.0	2.0	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 20I0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	August 31, 2020 2:00 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	**tert-Butyl alcohol (TBA)**	**8.0**		ug/L	0.50	1.0	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-1 **York Sample ID:** 20I0044-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	August 31, 2020 2:00 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/02/2020 06:45	09/04/2020 01:50	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*98.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*93.6 %*	*79-122*

Sample Information

Client Sample ID: FB-2 **York Sample ID:** 20I0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	September 1, 2020 10:00 am	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-2 **York Sample ID:** 20I0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	September 1, 2020 10:00 am	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	**2-Butanone**	**4.0**		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	**Acetone**	**51**		ug/L	1.0	2.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-2 **York Sample ID:** 20I0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	September 1, 2020 10:00 am	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	**Methyl acetate**	**0.58**		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-2 **York Sample ID:** 20I0044-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	September 1, 2020 10:00 am	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/03/2020 10:54	09/03/2020 18:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*118 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*99.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*99.4 %*	*79-122*

Sample Information

Client Sample ID: TB-1 **York Sample ID:** 20I0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	September 1, 2020 3:00 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: TB-1 **York Sample ID:** 20I0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	September 1, 2020 3:00 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: TB-1 **York Sample ID:** 20I0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	September 1, 2020 3:00 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	**Methylene chloride**	**2.6**		ug/L	1.0	2.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: TB-1 **York Sample ID:** 20I0044-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0044	IMPL0115.6 218 Lakeville Road New Hyde Park	Water	September 1, 2020 3:00 pm	09/01/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/03/2020 10:54	09/03/2020 16:26	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*117 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

CASE NARRATIVE

York Project/SDG No.: 20I0044
Client: Walden Associates
Client Project ID: IMPL0115.6 218 Lakeville Road New Hyde Park
Prepared for: Nora Brew

Introduction

This Case Narrative applies only to the samples submitted to our laboratory on **09/01/2020 16:56** as detailed on the chain-of-custody form.

The 4 sample(s) were received intact in a custody-sealed cooler(s), unless otherwise noted.
Upon receipt, cooler temperature(s) was determined using a NIST traceable digital infrared thermometer. The cooler temperature was acceptable (≤ 6°C) and documented as:

Cooler	Temp C°
Default Cooler	**2.5**

Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

All preparation and analyses were conducted according to the appropriate EPA methods detailed in the report.

Client Sample Information and Non-Conformances

Laboratory ID	Sample Name	Matrix
20I0044-01	GB-16B (12-14)	Soil
20I0044-02	FB-1	Water
20I0044-03	FB-2	Water
20I0044-04	TB-1	Water

Any additional Client Sample Non-conformances are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

QC Sample Non-Conformances

Any QC sample Non-conformances (SCV, CCV, BS, BSD, SRM, PS, MS, MSD, DUP) are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

York Project/SDG no.: 20I0044 Statement

We certify that these data are in compliance with SOP requirements both technically and for completeness for other than the

conditions stated above. Release of the data contained in the hard copy report and any electronic data deliverables has been authorized by the Laboratory Manager as verified by the signature on this laboratory report.

Approved by: *Ben Gulizia*
Laboratory Director

Date: 3/10/21

York Analytical Laboratories, Inc.

Formulae Used for Sample Calculations

1. **Volatile Organics (Water-ug/L or Soil-ug/Kg)**

Soils/Waters

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%\ solids)}$$

Medium Level Soils

$$Cx = \frac{(Ax)(IS)(VT)(1000)(DF)}{(Ais)(RRF)(VA)(V)(\%\ solids)}$$

2. Semi-Volatiles (Water-ug/L or Soil-ug/Kg)

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

3. Pesticides/PCB, DRO, EPH, CTETPH (Water-ug/L or Soil-ug/Kg)

$$Cx = \frac{(Ax)(VE)(DF)}{(CF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

4. Inorganics (Water or Soil-ug/mL)

$$Cx = \frac{(Conc.)(VE)}{(V)(\%\ solids/100)}$$

WHERE:

Cx = concentration of analyte as ug/L or ug/kg
Ax = Area of the characteristic ion for the compound to be measured, counts
Ais = Area of the characteristic ion for the specific internal standard, counts
IS = Concentration of the internal standard spiking mixture, ng
RRF = Mean relative response factor from the initial calibration
DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF= 1
V = Volume for liquids in mL, weight for soils/solids in grams
VA = volume of MeOH aliquot for medium level soils
VE = final volume of concentrated extract or digestate
VT = volume of MeOH for volatiles medium level soils
CF = calibration factor for external calibration used in GC pest/pcb

Cis = Concentration of the internal standard spiking mixture, ppbv

Case Narrative Non-Conformance Summary

Laboratory:	York Analytical Laboratories, Inc.	Client:	
Project:		Lab Project No:	
Laboratory Sample ID(s)	-01 - -04	Sampling Date(s):	08/31/2020 - 09/01/2020
Review Date(s):	-	Laboratory Reviewer(s):	

QC Sample Nonconformances

Batch ID: BI00280 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00280-BS1	Bromoform - 75-25-2	40 ug/L	LCS	79.3	80-136	Low Bias				
BI00280-BS1	Chloroethane - 75-00-3	73 ug/L	LCS	145	51-142	High Bias				
BI00280-BS1	Vinyl Chloride - 75-01-4	68 ug/L	LCS	136	52-130	High Bias				
BI00280-BSD1	Bromoform - 75-25-2	40 ug/L	LCS Dup	79.7	80-136	Low Bias	0.528	30		
BI00280-BSD1	Chloroethane - 75-00-3	77 ug/L	LCS Dup	153	51-142	High Bias	5.37	30		
BI00280-BSD1	Chloromethane - 74-87-3	70 ug/L	LCS Dup	140	49-132	High Bias	6.30	30		
BI00280-BSD1	Vinyl Chloride - 75-01-4	75 ug/L	LCS Dup	150	52-130	High Bias	9.92	30		

Batch ID: BI00313 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00313-BSD1	tert-Butyl alcohol (TBA) - 75-65-0	41 ug/L	LCS Dup	82.0	25-162		33.0	30	Non-dir.	

Batch ID: Y0H0722 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0H0722-SCV1	Acetone - 67-64-1	32.7 ug/L	Secondary Cal Check	65.4	70-130	Low Bias				

Batch ID: Y0I0440 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I0440-CCV1	1,2,3-Trichlorobenzene - 87-61-6	60.8 ug/L	Calibration Check	122	80-120	High Bias				
Y0I0440-CCV1	1,4-Dioxane - 123-91-1	1210 ug/L	Calibration Check	121	80-120	High Bias				
Y0I0440-CCV1	Acrolein - 107-02-8	115 ug/L	Calibration Check	229	80-120	High Bias				
Y0I0440-CCV1	Bromomethane - 74-83-9	70.8 ug/L	Calibration Check	142	80-120	High Bias				
Y0I0440-CCV1	Carbon disulfide - 75-15-0	24.3 ug/L	Calibration Check	48.6	80-120	Low Bias				
Y0I0440-CCV1	Chloroethane - 75-00-3	65.8 ug/L	Calibration Check	132	80-120	High Bias				
Y0I0440-CCV1	Chloromethane - 74-87-3	69.8 ug/L	Calibration Check	140	80-120	High Bias				
Y0I0440-CCV1	Dichlorodifluoromethane - 75-71-8	65.0 ug/L	Calibration Check	130	80-120	High Bias				
Y0I0440-CCV1	Trichlorofluoromethane - 75-69-4	68.7 ug/L	Calibration Check	137	80-120	High Bias				
Y0I0440-CCV1	Vinyl Chloride - 75-01-4	71.6 ug/L	Calibration Check	143	80-120	High Bias				

Batch ID: Y0I0443 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I0443-CCV1	Bromomethane - 74-83-9	4.58 ug/L	Calibration Check	45.8	80-120	Low Bias				
Y0I0443-CCV1	Carbon disulfide - 75-15-0	4.71 ug/L	Calibration Check	47.1	80-120	Low Bias				
Y0I0443-CCV1	Dichlorodifluoromethane - 75-71-8	12.3 ug/L	Calibration Check	123	80-120	High Bias				
Y0I0443-CCV1	Trichlorofluoromethane - 75-69-4	12.6 ug/L	Calibration Check	126	80-120	High Bias				

Batch ID: Y0I0840 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I0840-CCV1	1,1-Dichloroethylene - 75-35-4	7.59 ug/L	Calibration Check	75.9	80-120	Low Bias				
Y0I0840-CCV1	Bromomethane - 74-83-9	3.93 ug/L	Calibration Check	39.3	80-120	Low Bias				
Y0I0840-CCV1	Carbon disulfide - 75-15-0	4.47 ug/L	Calibration Check	44.7	80-120	Low Bias				
Y0I0840-CCV1	Methylcyclohexane - 108-87-2	7.95 ug/L	Calibration Check	79.5	80-120	Low Bias				
Y0I0840-CCV1	trans-1,2-Dichloroethylene - 156-60-5	7.34 ug/L	Calibration Check	73.4	80-120	Low Bias				

Batch ID: BI00280 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20I0044-01	GB-16B (12-14)
BI00280-BLK1	Blank
BI00280-BLK2	Blank
BI00280-BS1	LCS
BI00280-BSD1	LCS Dup

Batch ID: BI00313 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20I0044-03	FB-2
20I0044-04	TB-1
BI00313-BLK1	Blank
BI00313-BS1	LCS
BI00313-BSD1	LCS Dup

No Sample Nonconformances Found

Notes: Other nonconformances, if any, are detailed in the Data Quality Assessment worksheets.

For multiple surrogate analyses such as semi-volatiles, volatiles, etc, single surrogate excursions do not necessarily indicate a bias in the sample. Samples with multiple surrogate excursions may exhibit a bias in the results.

Definitions:
LCS - Laboratory Control Sample
LCS dup - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
BS - Blank Spike also called LCS
BSD - Blank Spike Duplicate also called LCS dup
SRM - Standard Reference Material
DUP - Duplicate

QC DATA QUALIFIERS

LabID	Analysis	Analyte	Qualifier	Definition
BI00280-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BS1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	1,2,3-Trichlorobenzene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	1,2,3-Trichlorobenzene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00313-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00280-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00280-BSD1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

LabID	Analysis	Analyte	Qualifier	Definition
BI00280-BSD1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BSD1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BSD1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BSD1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BSD1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BS1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

LabID	Analysis	Analyte	Qualifier	Definition
BI00280-BS1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00280-BS1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00313-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
Y0I0443-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,2-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	Methylcyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	Methylcyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	1,1-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	1,1-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0443-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0443-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I0443-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0840-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,2-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0443-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0443-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0443-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0440-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I0443-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Analytical Batch Summary

Batch ID: BI00087 **Preparation Method:** % Solids Prep **Prepared By:** WJM

YORK Sample ID	Client Sample ID	Preparation Date
20I0044-01	GB-16B (12-14)	09/02/20
BI00087-DUP1	Duplicate	09/02/20

Batch ID: BI00280 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0044-01	GB-16B (12-14)	09/02/20
BI00280-BLK1	Blank	09/03/20
BI00280-BLK2	Blank	09/03/20
BI00280-BS1	LCS	09/03/20
BI00280-BSD1	LCS Dup	09/03/20

Batch ID: BI00313 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0044-03	FB-2	09/03/20
20I0044-04	TB-1	09/03/20
BI00313-BLK1	Blank	09/03/20
BI00313-BS1	LCS	09/03/20
BI00313-BSD1	LCS Dup	09/03/20

Batch ID: BI00364 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0044-02	FB-1	09/02/20
BI00364-BLK1	Blank	09/03/20
BI00364-BS1	LCS	09/03/20
BI00364-BSD1	LCS Dup	09/03/20

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00280 - EPA 5035A											
Blank (BI00280-BLK1)											
Prepared: 09/03/2020 Analyzed: 09/04/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00280 - EPA 5035A											
Blank (BI00280-BLK1)											Prepared: 09/03/2020 Analyzed: 09/04/2020
Methylcyclohexane	ND	5.0	ug/kg wet								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.9*		*ug/L*	*50.0*		*99.8*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*53.4*		*"*	*50.0*		*107*	*76-130*				
Blank (BI00280-BLK2)											Prepared: 09/03/2020 Analyzed: 09/04/2020
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

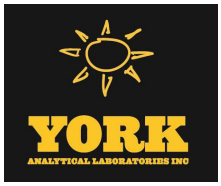
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00280 - EPA 5035A											
Blank (BI00280-BLK2)											
Prepared: 09/03/2020 Analyzed: 09/04/2020											
Acetone	ND	10	ug/kg wet								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*ug/L*	*50.0*		*98.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00280 - EPA 5035A											
Blank (BI00280-BLK2)								Prepared: 09/03/2020 Analyzed: 09/04/2020			
Surrogate: SURR: p-Bromofluorobenzene	*52.3*		*ug/L*	*50.0*		*105*	*76-130*				
LCS (BI00280-BS1)								Prepared: 09/03/2020 Analyzed: 09/04/2020			
1,1,1,2-Tetrachloroethane	41		ug/L	50.0		81.6	75-129				
1,1,1-Trichloroethane	51		"	50.0		103	71-137				
1,1,2,2-Tetrachloroethane	50		"	50.0		100	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	57		"	50.0		115	58-146				
1,1,2-Trichloroethane	49		"	50.0		98.9	83-123				
1,1-Dichloroethane	48		"	50.0		95.1	75-130				
1,1-Dichloroethylene	51		"	50.0		102	64-137				
1,2,3-Trichlorobenzene	53		"	50.0		106	81-140				
1,2,3-Trichloropropane	50		"	50.0		99.6	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	46		"	50.0		92.1	84-125				
1,2-Dibromo-3-chloropropane	50		"	50.0		99.5	74-142				
1,2-Dibromoethane	49		"	50.0		98.8	86-123				
1,2-Dichlorobenzene	49		"	50.0		97.8	85-122				
1,2-Dichloroethane	50		"	50.0		99.4	71-133				
1,2-Dichloropropane	46		"	50.0		92.7	81-122				
1,3,5-Trimethylbenzene	47		"	50.0		94.2	82-126				
1,3-Dichlorobenzene	48		"	50.0		96.1	84-124				
1,4-Dichlorobenzene	47		"	50.0		93.9	84-124				
1,4-Dioxane	1200		"	1050		118	10-228				
2-Butanone	53		"	50.0		106	58-147				
2-Hexanone	56		"	50.0		111	70-139				
4-Methyl-2-pentanone	55		"	50.0		110	72-132				
Acetone	38		"	50.0		76.7	36-155				
Acrolein	76		"	50.0		153	10-238				
Acrylonitrile	56		"	50.0		113	66-141				
Benzene	51		"	50.0		102	77-127				
Bromochloromethane	50		"	50.0		100	74-129				
Bromodichloromethane	49		"	50.0		97.6	81-124				
Bromoform	40		"	50.0		79.3	80-136	Low Bias			
Bromomethane	73		"	50.0		145	32-177				
Carbon disulfide	50		"	50.0		101	10-136				
Carbon tetrachloride	54		"	50.0		109	66-143				
Chlorobenzene	49		"	50.0		98.9	86-120				
Chloroethane	73		"	50.0		145	51-142	High Bias			
Chloroform	50		"	50.0		100	76-131				
Chloromethane	66		"	50.0		132	49-132				
cis-1,2-Dichloroethylene	49		"	50.0		98.3	74-132				
cis-1,3-Dichloropropylene	49		"	50.0		97.1	81-129				
Cyclohexane	49		"	50.0		98.1	70-130				
Dibromochloromethane	53		"	50.0		105	10-200				
Dibromomethane	49		"	50.0		98.3	83-124				
Dichlorodifluoromethane	64		"	50.0		129	28-158				
Ethyl Benzene	48		"	50.0		96.5	84-125				
Hexachlorobutadiene	51		"	50.0		101	83-133				
Isopropylbenzene	46		"	50.0		91.6	81-127				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00280 - EPA 5035A											
LCS (BI00280-BS1)								Prepared: 09/03/2020 Analyzed: 09/04/2020			
Methyl acetate	45		ug/L	50.0		90.0	41-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131				
Methylcyclohexane	49		"	50.0		97.1	70-130				
Methylene chloride	53		"	50.0		105	57-141				
n-Butylbenzene	48		"	50.0		95.9	80-130				
n-Propylbenzene	46		"	50.0		92.8	74-136				
o-Xylene	47		"	50.0		94.9	83-123				
p- & m- Xylenes	97		"	100		97.5	82-128				
p-Isopropyltoluene	48		"	50.0		96.5	85-125				
sec-Butylbenzene	50		"	50.0		100	83-125				
Styrene	49		"	50.0		98.7	86-126				
tert-Butyl alcohol (TBA)	260		"	250		102	70-130				
tert-Butylbenzene	46		"	50.0		92.3	80-127				
Tetrachloroethylene	46		"	50.0		91.8	80-129				
Toluene	49		"	50.0		98.2	85-121				
trans-1,2-Dichloroethylene	51		"	50.0		101	72-132				
trans-1,3-Dichloropropylene	48		"	50.0		96.8	78-132				
trans-1,4-dichloro-2-butene	51		"	50.0		101	75-135				
Trichloroethylene	50		"	50.0		99.1	84-123				
Trichlorofluoromethane	62		"	50.0		124	62-140				
Vinyl Chloride	68		"	50.0		136	52-130	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.7*		*"*	*50.0*		*99.4*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.1*		*"*	*50.0*		*96.1*	*76-130*				
LCS Dup (BI00280-BSD1)								Prepared: 09/03/2020 Analyzed: 09/04/2020			
1,1,1,2-Tetrachloroethane	41		ug/L	50.0		82.4	75-129		1.00	30	
1,1,1-Trichloroethane	54		"	50.0		107	71-137		4.31	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129		7.71	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	62		"	50.0		124	58-146		7.53	30	
1,1,2-Trichloroethane	52		"	50.0		104	83-123		4.83	30	
1,1-Dichloroethane	50		"	50.0		100	75-130		5.30	30	
1,1-Dichloroethylene	54		"	50.0		108	64-137		5.58	30	
1,2,3-Trichlorobenzene	55		"	50.0		111	81-140		4.44	30	
1,2,3-Trichloropropane	53		"	50.0		106	81-126		5.90	30	
1,2,4-Trichlorobenzene	52		"	50.0		104	80-141		3.46	30	
1,2,4-Trimethylbenzene	47		"	50.0		94.7	84-125		2.78	30	
1,2-Dibromo-3-chloropropane	56		"	50.0		113	74-142		12.3	30	
1,2-Dibromoethane	53		"	50.0		105	86-123		6.46	30	
1,2-Dichlorobenzene	50		"	50.0		101	85-122		2.82	30	
1,2-Dichloroethane	53		"	50.0		105	71-133		5.78	30	
1,2-Dichloropropane	48		"	50.0		96.5	81-122		4.04	30	
1,3,5-Trimethylbenzene	49		"	50.0		97.1	82-126		3.05	30	
1,3-Dichlorobenzene	49		"	50.0		98.7	84-124		2.65	30	
1,4-Dichlorobenzene	48		"	50.0		96.6	84-124		2.88	30	
1,4-Dioxane	1400		"	1050		135	10-228		13.2	30	
2-Butanone	63		"	50.0		125	58-147		16.3	30	
2-Hexanone	58		"	50.0		117	70-139		5.07	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00280 - EPA 5035A											
LCS Dup (BI00280-BSD1)								Prepared: 09/03/2020 Analyzed: 09/04/2020			
4-Methyl-2-pentanone	59		ug/L	50.0		118	72-132		6.40	30	
Acetone	42		"	50.0		84.9	36-155		10.2	30	
Acrolein	88		"	50.0		177	10-238		14.7	30	
Acrylonitrile	61		"	50.0		122	66-141		7.77	30	
Benzene	54		"	50.0		107	77-127		5.39	30	
Bromochloromethane	53		"	50.0		106	74-129		5.30	30	
Bromodichloromethane	50		"	50.0		99.1	81-124		1.53	30	
Bromoform	40		"	50.0		79.7	80-136	Low Bias	0.528	30	
Bromomethane	71		"	50.0		142	32-177		2.72	30	
Carbon disulfide	53		"	50.0		105	10-136		4.30	30	
Carbon tetrachloride	56		"	50.0		113	66-143		3.78	30	
Chlorobenzene	51		"	50.0		101	86-120		2.51	30	
Chloroethane	77		"	50.0		153	51-142	High Bias	5.37	30	
Chloroform	53		"	50.0		105	76-131		4.80	30	
Chloromethane	70		"	50.0		140	49-132	High Bias	6.30	30	
cis-1,2-Dichloroethylene	52		"	50.0		104	74-132		5.65	30	
cis-1,3-Dichloropropylene	49		"	50.0		97.8	81-129		0.698	30	
Cyclohexane	53		"	50.0		105	70-130		7.04	30	
Dibromochloromethane	54		"	50.0		107	10-200		1.94	30	
Dibromomethane	51		"	50.0		102	83-124		3.44	30	
Dichlorodifluoromethane	69		"	50.0		139	28-158		7.67	30	
Ethyl Benzene	49		"	50.0		98.9	84-125		2.46	30	
Hexachlorobutadiene	54		"	50.0		108	83-133		6.35	30	
Isopropylbenzene	48		"	50.0		95.7	81-127		4.34	30	
Methyl acetate	49		"	50.0		98.0	41-143		8.55	30	
Methyl tert-butyl ether (MTBE)	54		"	50.0		108	74-131		6.44	30	
Methylcyclohexane	50		"	50.0		100	70-130		3.34	30	
Methylene chloride	56		"	50.0		112	57-141		6.01	30	
n-Butylbenzene	49		"	50.0		98.8	80-130		2.96	30	
n-Propylbenzene	48		"	50.0		96.3	74-136		3.62	30	
o-Xylene	49		"	50.0		97.3	83-123		2.44	30	
p- & m- Xylenes	100		"	100		100	82-128		2.73	30	
p-Isopropyltoluene	49		"	50.0		98.8	85-125		2.36	30	
sec-Butylbenzene	52		"	50.0		103	83-125		3.26	30	
Styrene	51		"	50.0		101	86-126		2.70	30	
tert-Butyl alcohol (TBA)	280		"	250		113	70-130		10.1	30	
tert-Butylbenzene	49		"	50.0		97.5	80-127		5.52	30	
Tetrachloroethylene	47		"	50.0		93.5	80-129		1.88	30	
Toluene	51		"	50.0		101	85-121		3.19	30	
trans-1,2-Dichloroethylene	54		"	50.0		107	72-132		5.68	30	
trans-1,3-Dichloropropylene	49		"	50.0		98.2	78-132		1.48	30	
trans-1,4-dichloro-2-butene	54		"	50.0		108	75-135		6.61	30	
Trichloroethylene	51		"	50.0		102	84-123		2.53	30	
Trichlorofluoromethane	63		"	50.0		126	62-140		1.45	30	
Vinyl Chloride	75		"	50.0		150	52-130	High Bias	9.92	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.3*		*"*	*50.0*		*103*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.1*		*"*	*50.0*		*98.2*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00280 - EPA 5035A											
LCS Dup (BI00280-BSD1)									Prepared: 09/03/2020 Analyzed: 09/04/2020		
Surrogate: SURR: p-Bromofluorobenzene	*49.2*		*ug/L*	*50.0*		*98.4*	*76-130*				
Batch BI00313 - EPA 5030B											
Blank (BI00313-BLK1)									Prepared & Analyzed: 09/03/2020		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00313 - EPA 5030B											
Blank (BI00313-BLK1)											
Prepared & Analyzed: 09/03/2020											
Hexachlorobutadiene	ND	0.50	ug/L								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.4*		*"*	*10.0*		*114*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.90*		*"*	*10.0*		*99.0*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00313 - EPA 5030B											
LCS (BI00313-BS1)								Prepared & Analyzed: 09/03/2020			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		103	82-126				
1,1,1-Trichloroethane	11		"	10.0		109	78-136				
1,1,2,2-Tetrachloroethane	9.1		"	10.0		90.7	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		100	54-165				
1,1,2-Trichloroethane	8.9		"	10.0		88.8	82-123				
1,1-Dichloroethane	9.4		"	10.0		93.9	82-129				
1,1-Dichloroethylene	10		"	10.0		103	68-138				
1,2,3-Trichlorobenzene	9.2		"	10.0		91.8	40-130				
1,2,3-Trichloropropane	10		"	10.0		101	77-128				
1,2,4-Trichlorobenzene	9.8		"	10.0		98.0	65-137				
1,2,4-Trimethylbenzene	12		"	10.0		118	82-132				
1,2-Dibromo-3-chloropropane	10		"	10.0		101	45-147				
1,2-Dibromoethane	8.9		"	10.0		88.9	83-124				
1,2-Dichlorobenzene	11		"	10.0		110	79-123				
1,2-Dichloroethane	9.9		"	10.0		99.4	73-132				
1,2-Dichloropropane	9.4		"	10.0		93.5	78-126				
1,3,5-Trimethylbenzene	12		"	10.0		119	80-131				
1,3-Dichlorobenzene	11		"	10.0		108	86-130				
1,4-Dichlorobenzene	11		"	10.0		110	85-130				
1,4-Dioxane	200		"	210		93.2	10-349				
2-Butanone	8.4		"	10.0		84.0	49-152				
2-Hexanone	8.4		"	10.0		84.4	51-146				
4-Methyl-2-pentanone	8.1		"	10.0		81.4	57-145				
Acetone	9.2		"	10.0		91.8	14-150				
Acrolein	6.5		"	10.0		64.8	10-153				
Acrylonitrile	7.4		"	10.0		74.4	51-150				
Benzene	9.5		"	10.0		95.3	85-126				
Bromochloromethane	8.9		"	10.0		89.4	77-128				
Bromodichloromethane	10		"	10.0		100	79-128				
Bromoform	8.8		"	10.0		87.7	78-133				
Bromomethane	6.8		"	10.0		68.2	43-168				
Carbon disulfide	9.1		"	10.0		91.1	68-146				
Carbon tetrachloride	11		"	10.0		109	77-141				
Chlorobenzene	10		"	10.0		103	88-120				
Chloroethane	11		"	10.0		107	65-136				
Chloroform	10		"	10.0		99.7	82-128				
Chloromethane	9.3		"	10.0		92.9	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129				
cis-1,3-Dichloropropylene	9.5		"	10.0		95.3	80-131				
Cyclohexane	10		"	10.0		103	63-149				
Dibromochloromethane	9.2		"	10.0		92.3	80-130				
Dibromomethane	8.9		"	10.0		89.2	72-134				
Dichlorodifluoromethane	11		"	10.0		114	44-144				
Ethyl Benzene	11		"	10.0		109	80-131				
Hexachlorobutadiene	11		"	10.0		111	67-146				
Isopropylbenzene	12		"	10.0		116	76-140				
Methyl acetate	8.0		"	10.0		79.6	51-139				
Methyl tert-butyl ether (MTBE)	7.9		"	10.0		79.0	76-135				
Methylcyclohexane	10		"	10.0		103	72-143				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00313 - EPA 5030B											
LCS (BI00313-BS1)								Prepared & Analyzed: 09/03/2020			
Methylene chloride	9.5		ug/L	10.0		94.6	55-137				
n-Butylbenzene	12		"	10.0		121	79-132				
n-Propylbenzene	12		"	10.0		117	78-133				
o-Xylene	11		"	10.0		108	78-130				
p- & m- Xylenes	22		"	20.0		111	77-133				
p-Isopropyltoluene	12		"	10.0		119	81-136				
sec-Butylbenzene	12		"	10.0		125	79-137				
Styrene	11		"	10.0		108	67-132				
tert-Butyl alcohol (TBA)	29		"	50.0		58.7	25-162				
tert-Butylbenzene	10		"	10.0		103	77-138				
Tetrachloroethylene	11		"	10.0		111	82-131				
Toluene	10		"	10.0		102	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	9.4		"	10.0		94.0	78-131				
trans-1,4-dichloro-2-butene	9.8		"	10.0		98.0	63-141				
Trichloroethylene	11		"	10.0		107	82-128				
Trichlorofluoromethane	11		"	10.0		115	67-139				
Vinyl Chloride	9.6		"	10.0		96.1	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.80*		*"*	*10.0*		*98.0*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.4*		*"*	*10.0*		*104*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS Dup (BI00313-BSD1)								Prepared & Analyzed: 09/03/2020			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		101	82-126		1.96	30	
1,1,1-Trichloroethane	11		"	10.0		105	78-136		3.46	30	
1,1,2,2-Tetrachloroethane	9.6		"	10.0		96.0	76-129		5.68	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.4		"	10.0		93.5	54-165		7.12	30	
1,1,2-Trichloroethane	9.6		"	10.0		95.9	82-123		7.69	30	
1,1-Dichloroethane	9.4		"	10.0		93.7	82-129		0.213	30	
1,1-Dichloroethylene	9.6		"	10.0		96.2	68-138		6.73	30	
1,2,3-Trichlorobenzene	9.3		"	10.0		93.1	40-130		1.41	30	
1,2,3-Trichloropropane	11		"	10.0		105	77-128		3.97	30	
1,2,4-Trichlorobenzene	9.8		"	10.0		97.9	65-137		0.102	30	
1,2,4-Trimethylbenzene	10		"	10.0		103	82-132		13.2	30	
1,2-Dibromo-3-chloropropane	9.8		"	10.0		97.8	45-147		3.12	30	
1,2-Dibromoethane	9.8		"	10.0		98.1	83-124		9.84	30	
1,2-Dichlorobenzene	10		"	10.0		101	79-123		7.98	30	
1,2-Dichloroethane	11		"	10.0		111	73-132		11.1	30	
1,2-Dichloropropane	9.1		"	10.0		90.7	78-126		3.04	30	
1,3,5-Trimethylbenzene	10		"	10.0		102	80-131		15.1	30	
1,3-Dichlorobenzene	10		"	10.0		99.7	86-130		7.81	30	
1,4-Dichlorobenzene	9.9		"	10.0		99.4	85-130		9.67	30	
1,4-Dioxane	200		"	210		93.3	10-349		0.148	30	
2-Butanone	10		"	10.0		103	49-152		20.1	30	
2-Hexanone	11		"	10.0		106	51-146		23.0	30	
4-Methyl-2-pentanone	10		"	10.0		103	57-145		23.0	30	
Acetone	11		"	10.0		105	14-150		13.5	30	
Acrolein	7.2		"	10.0		72.4	10-153		11.1	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

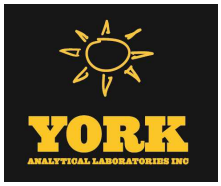
Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00313 - EPA 5030B											
LCS Dup (BI00313-BSD1)								Prepared & Analyzed: 09/03/2020			
Acrylonitrile	9.2		ug/L	10.0		92.2	51-150		21.4	30	
Benzene	9.4		"	10.0		93.5	85-126		1.91	30	
Bromochloromethane	9.6		"	10.0		96.3	77-128		7.43	30	
Bromodichloromethane	10		"	10.0		100	79-128		0.199	30	
Bromoform	9.6		"	10.0		96.3	78-133		9.35	30	
Bromomethane	6.2		"	10.0		61.9	43-168		9.68	30	
Carbon disulfide	8.5		"	10.0		85.1	68-146		6.81	30	
Carbon tetrachloride	11		"	10.0		106	77-141		2.69	30	
Chlorobenzene	9.8		"	10.0		98.2	88-120		4.58	30	
Chloroethane	10		"	10.0		100	65-136		5.99	30	
Chloroform	10		"	10.0		101	82-128		1.69	30	
Chloromethane	8.7		"	10.0		86.9	43-155		6.67	30	
cis-1,2-Dichloroethylene	10		"	10.0		102	83-129		0.295	30	
cis-1,3-Dichloropropylene	9.7		"	10.0		97.1	80-131		1.87	30	
Cyclohexane	9.8		"	10.0		98.3	63-149		4.77	30	
Dibromochloromethane	10		"	10.0		101	80-130		9.20	30	
Dibromomethane	9.7		"	10.0		96.9	72-134		8.28	30	
Dichlorodifluoromethane	11		"	10.0		106	44-144		7.47	30	
Ethyl Benzene	10		"	10.0		102	80-131		7.20	30	
Hexachlorobutadiene	9.9		"	10.0		99.2	67-146		10.9	30	
Isopropylbenzene	9.6		"	10.0		96.1	76-140		18.6	30	
Methyl acetate	9.3		"	10.0		93.3	51-139		15.8	30	
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		98.4	76-135		21.9	30	
Methylcyclohexane	9.0		"	10.0		89.8	72-143		13.5	30	
Methylene chloride	9.7		"	10.0		97.4	55-137		2.92	30	
n-Butylbenzene	10		"	10.0		100	79-132		18.6	30	
n-Propylbenzene	9.7		"	10.0		96.7	78-133		18.7	30	
o-Xylene	10		"	10.0		102	78-130		5.91	30	
p- & m- Xylenes	21		"	20.0		103	77-133		7.45	30	
p-Isopropyltoluene	10		"	10.0		102	81-136		16.1	30	
sec-Butylbenzene	10		"	10.0		102	79-137		19.9	30	
Styrene	10		"	10.0		105	67-132		3.01	30	
tert-Butyl alcohol (TBA)	41		"	50.0		82.0	25-162		33.0	30	Non-dir.
tert-Butylbenzene	8.6		"	10.0		86.2	77-138		17.5	30	
Tetrachloroethylene	9.8		"	10.0		98.3	82-131		11.8	30	
Toluene	9.4		"	10.0		93.7	80-127		8.48	30	
trans-1,2-Dichloroethylene	9.7		"	10.0		97.1	80-132		5.22	30	
trans-1,3-Dichloropropylene	9.9		"	10.0		99.1	78-131		5.28	30	
trans-1,4-dichloro-2-butene	9.8		"	10.0		97.6	63-141		0.409	30	
Trichloroethylene	9.5		"	10.0		95.1	82-128		11.4	30	
Trichlorofluoromethane	11		"	10.0		107	67-139		7.49	30	
Vinyl Chloride	9.0		"	10.0		90.4	58-145		6.11	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.5*		*"*	*10.0*		*115*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.98*		*"*	*10.0*		*99.8*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.79*		*"*	*10.0*		*97.9*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00364 - EPA 5030B											
Blank (BI00364-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								

Prepared: 09/03/2020 Analyzed: 09/04/2020



Volatile Organic Compounds by GC/MS - Quality Control Data

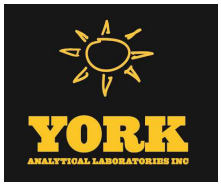
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00364 - EPA 5030B											
Blank (BI00364-BLK1)											
Prepared: 09/03/2020 Analyzed: 09/04/2020											
Methylene chloride	ND	2.0	ug/L								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.84*		*"*	*10.0*		*98.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.64*		*"*	*10.0*		*96.4*	*79-122*				
LCS (BI00364-BS1)											
Prepared & Analyzed: 09/03/2020											
1,1,1,2-Tetrachloroethane	9.7		ug/L	10.0		97.0	82-126				
1,1,1-Trichloroethane	9.9		"	10.0		98.6	78-136				
1,1,2,2-Tetrachloroethane	9.1		"	10.0		90.8	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165				
1,1,2-Trichloroethane	9.3		"	10.0		93.1	82-123				
1,1-Dichloroethane	9.1		"	10.0		90.7	82-129				
1,1-Dichloroethylene	9.6		"	10.0		96.2	68-138				
1,2,3-Trichlorobenzene	9.2		"	10.0		92.4	40-130				
1,2,3-Trichloropropane	10		"	10.0		102	77-128				
1,2,4-Trichlorobenzene	9.4		"	10.0		94.4	65-137				
1,2,4-Trimethylbenzene	9.9		"	10.0		98.9	82-132				
1,2-Dibromo-3-chloropropane	8.6		"	10.0		86.5	45-147				
1,2-Dibromoethane	9.3		"	10.0		93.1	83-124				
1,2-Dichlorobenzene	9.8		"	10.0		97.5	79-123				
1,2-Dichloroethane	9.3		"	10.0		93.0	73-132				
1,2-Dichloropropane	9.1		"	10.0		90.8	78-126				
1,3,5-Trimethylbenzene	10		"	10.0		99.7	80-131				
1,3-Dichlorobenzene	9.7		"	10.0		97.1	86-130				
1,4-Dichlorobenzene	9.7		"	10.0		97.4	85-130				
1,4-Dioxane	220		"	210		103	10-349				
2-Butanone	11		"	10.0		110	49-152				
2-Hexanone	9.1		"	10.0		90.6	51-146				
4-Methyl-2-pentanone	8.8		"	10.0		88.4	57-145				
Acetone	9.7		"	10.0		96.7	14-150				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00364 - EPA 5030B											
LCS (BI00364-BS1)							Prepared & Analyzed: 09/03/2020				
Acrolein	7.6		ug/L	10.0		76.5	10-153				
Acrylonitrile	8.6		"	10.0		86.4	51-150				
Benzene	9.4		"	10.0		94.0	85-126				
Bromochloromethane	8.7		"	10.0		87.1	77-128				
Bromodichloromethane	9.4		"	10.0		93.6	79-128				
Bromoform	8.6		"	10.0		86.4	78-133				
Bromomethane	4.6		"	10.0		45.7	43-168				
Carbon disulfide	9.3		"	10.0		93.3	68-146				
Carbon tetrachloride	9.9		"	10.0		99.4	77-141				
Chlorobenzene	9.6		"	10.0		96.4	88-120				
Chloroethane	11		"	10.0		114	65-136				
Chloroform	9.4		"	10.0		94.4	82-128				
Chloromethane	8.2		"	10.0		82.4	43-155				
cis-1,2-Dichloroethylene	9.6		"	10.0		96.3	83-129				
cis-1,3-Dichloropropylene	9.3		"	10.0		92.9	80-131				
Cyclohexane	9.9		"	10.0		99.1	63-149				
Dibromochloromethane	9.5		"	10.0		95.3	80-130				
Dibromomethane	9.3		"	10.0		92.6	72-134				
Dichlorodifluoromethane	10		"	10.0		100	44-144				
Ethyl Benzene	10		"	10.0		101	80-131				
Hexachlorobutadiene	9.8		"	10.0		98.4	67-146				
Isopropylbenzene	9.6		"	10.0		96.2	76-140				
Methyl acetate	8.6		"	10.0		85.7	51-139				
Methyl tert-butyl ether (MTBE)	9.3		"	10.0		92.8	76-135				
Methylcyclohexane	9.9		"	10.0		99.1	72-143				
Methylene chloride	9.1		"	10.0		91.0	55-137				
n-Butylbenzene	10		"	10.0		103	79-132				
n-Propylbenzene	9.8		"	10.0		98.2	78-133				
o-Xylene	9.8		"	10.0		98.0	78-130				
p- & m- Xylenes	20		"	20.0		101	77-133				
p-Isopropyltoluene	10		"	10.0		100	81-136				
sec-Butylbenzene	10		"	10.0		104	79-137				
Styrene	10		"	10.0		101	67-132				
tert-Butyl alcohol (TBA)	38		"	50.0		76.8	25-162				
tert-Butylbenzene	8.7		"	10.0		86.6	77-138				
Tetrachloroethylene	10		"	10.0		99.7	82-131				
Toluene	9.9		"	10.0		98.8	80-127				
trans-1,2-Dichloroethylene	9.4		"	10.0		94.1	80-132				
trans-1,3-Dichloropropylene	9.0		"	10.0		89.7	78-131				
trans-1,4-dichloro-2-butene	9.1		"	10.0		91.0	63-141				
Trichloroethylene	9.8		"	10.0		97.9	82-128				
Trichlorofluoromethane	11		"	10.0		106	67-139				
Vinyl Chloride	9.4		"	10.0		94.3	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.97*		*"*	*10.0*		*99.7*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.79*		*"*	*10.0*		*97.9*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00364 - EPA 5030B											
LCS Dup (BI00364-BSD1)								Prepared: 09/03/2020 Analyzed: 09/04/2020			
1,1,1,2-Tetrachloroethane	9.4		ug/L	10.0		93.9	82-126		3.25	30	
1,1,1-Trichloroethane	9.1		"	10.0		91.3	78-136		7.69	30	
1,1,2,2-Tetrachloroethane	9.1		"	10.0		90.8	76-129		0.00	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.3		"	10.0		92.9	54-165		9.63	30	
1,1,2-Trichloroethane	8.9		"	10.0		88.7	82-123		4.84	30	
1,1-Dichloroethane	8.5		"	10.0		84.7	82-129		6.84	30	
1,1-Dichloroethylene	8.9		"	10.0		88.9	68-138		7.89	30	
1,2,3-Trichlorobenzene	9.0		"	10.0		90.5	40-130		2.08	30	
1,2,3-Trichloropropane	9.5		"	10.0		95.0	77-128		7.11	30	
1,2,4-Trichlorobenzene	9.4		"	10.0		94.5	65-137		0.106	30	
1,2,4-Trimethylbenzene	9.6		"	10.0		96.0	82-132		2.98	30	
1,2-Dibromo-3-chloropropane	8.8		"	10.0		87.5	45-147		1.15	30	
1,2-Dibromoethane	9.1		"	10.0		90.7	83-124		2.61	30	
1,2-Dichlorobenzene	9.6		"	10.0		95.9	79-123		1.65	30	
1,2-Dichloroethane	8.8		"	10.0		88.3	73-132		5.18	30	
1,2-Dichloropropane	8.5		"	10.0		85.3	78-126		6.25	30	
1,3,5-Trimethylbenzene	9.6		"	10.0		96.0	80-131		3.78	30	
1,3-Dichlorobenzene	9.2		"	10.0		92.5	86-130		4.85	30	
1,4-Dichlorobenzene	9.4		"	10.0		93.7	85-130		3.87	30	
1,4-Dioxane	220		"	210		107	10-349		3.88	30	
2-Butanone	9.5		"	10.0		95.2	49-152		14.8	30	
2-Hexanone	9.3		"	10.0		92.6	51-146		2.18	30	
4-Methyl-2-pentanone	8.9		"	10.0		88.8	57-145		0.451	30	
Acetone	9.1		"	10.0		90.7	14-150		6.40	30	
Acrolein	6.9		"	10.0		68.9	10-153		10.5	30	
Acrylonitrile	8.4		"	10.0		84.4	51-150		2.34	30	
Benzene	8.9		"	10.0		88.8	85-126		5.69	30	
Bromochloromethane	8.3		"	10.0		83.4	77-128		4.34	30	
Bromodichloromethane	8.9		"	10.0		89.4	79-128		4.59	30	
Bromoform	8.9		"	10.0		88.7	78-133		2.63	30	
Bromomethane	4.4		"	10.0		44.3	43-168		3.11	30	
Carbon disulfide	8.5		"	10.0		85.2	68-146		9.08	30	
Carbon tetrachloride	9.2		"	10.0		92.3	77-141		7.41	30	
Chlorobenzene	9.3		"	10.0		93.3	88-120		3.27	30	
Chloroethane	10		"	10.0		103	65-136		9.78	30	
Chloroform	8.9		"	10.0		89.3	82-128		5.55	30	
Chloromethane	7.7		"	10.0		76.9	43-155		6.91	30	
cis-1,2-Dichloroethylene	9.0		"	10.0		89.7	83-129		7.10	30	
cis-1,3-Dichloropropylene	8.9		"	10.0		89.0	80-131		4.29	30	
Cyclohexane	9.0		"	10.0		90.1	63-149		9.51	30	
Dibromochloromethane	9.1		"	10.0		91.4	80-130		4.18	30	
Dibromomethane	8.7		"	10.0		87.3	72-134		5.89	30	
Dichlorodifluoromethane	9.2		"	10.0		91.7	44-144		9.06	30	
Ethyl Benzene	9.5		"	10.0		95.3	80-131		6.10	30	
Hexachlorobutadiene	9.4		"	10.0		94.4	67-146		4.15	30	
Isopropylbenzene	9.1		"	10.0		90.8	76-140		5.78	30	
Methyl acetate	8.5		"	10.0		85.1	51-139		0.703	30	
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		89.6	76-135		3.51	30	
Methylcyclohexane	9.2		"	10.0		91.8	72-143		7.65	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00364 - EPA 5030B											
LCS Dup (BI00364-BSD1)									Prepared: 09/03/2020 Analyzed: 09/04/2020		
Methylene chloride	8.4		ug/L	10.0		84.1	55-137		7.88	30	
n-Butylbenzene	9.9		"	10.0		99.3	79-132		4.05	30	
n-Propylbenzene	9.3		"	10.0		92.9	78-133		5.55	30	
o-Xylene	9.5		"	10.0		95.2	78-130		2.90	30	
p- & m- Xylenes	19		"	20.0		95.6	77-133		5.60	30	
p-Isopropyltoluene	9.7		"	10.0		97.0	81-136		3.54	30	
sec-Butylbenzene	10		"	10.0		101	79-137		3.80	30	
Styrene	9.8		"	10.0		97.8	67-132		3.42	30	
tert-Butyl alcohol (TBA)	38		"	50.0		75.9	25-162		1.20	30	
tert-Butylbenzene	8.1		"	10.0		81.3	77-138		6.31	30	
Tetrachloroethylene	9.4		"	10.0		93.7	82-131		6.20	30	
Toluene	9.2		"	10.0		91.5	80-127		7.67	30	
trans-1,2-Dichloroethylene	8.8		"	10.0		87.7	80-132		7.04	30	
trans-1,3-Dichloropropylene	8.8		"	10.0		88.5	78-131		1.35	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		89.9	63-141		1.22	30	
Trichloroethylene	9.2		"	10.0		91.6	82-128		6.65	30	
Trichlorofluoromethane	9.8		"	10.0		97.6	67-139		8.63	30	
Vinyl Chloride	8.6		"	10.0		86.2	58-145		8.98	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.90*		*"*	*10.0*		*99.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.78*		*"*	*10.0*		*97.8*	*79-122*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00087 - % Solids Prep											
Duplicate (BI00087-DUP1)	*Source sample: 20I0055-01 (Duplicate)							Prepared & Analyzed: 09/02/2020			
% Solids	100	0.100	%		100				0.00	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20I0044-01	GB-16B (12-14)	40mL Vial with Stir Bar-Cool 4° C
20I0044-02	FB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0044-03	FB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0044-04	TB-1	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Laboratory Chain-of-Custody Record

York Project (SDG) No.: 20I0044

Samples Received: 09/01/2020 16:56 **By:** Terri Gale **Logged In:** 09/01/2020 17:07 **By:** Terri Gale

Sample Conditions:

- [x] Custody Seals
- [x] Containers Intact
- [x] COC/Labels Agree
- [x] Preservation Confirmed
- [x] Cooler Temperature Confirmed
- [x] COC Complete
- [x] Chain of Custody Form Received
- [x] Appropriate Sample Volumes Received
- [x] Appropriate Sample Containers Submitted
- [x] Samples Submitted within Holding Times
- [ ] Corrective Action Form Required

Preparation Chain-of-Custody

Sample ID	Reason Prep	Prep Start Date	Prep End Date	Prep Analyst
20I0044-01	% Solids Prep	09/02/2020 8:05	09/02/2020 8:05	William J Midolo
20I0044-02	EPA 5030B	09/02/2020 6:45	09/02/2020 6:45	Taylor M. Pasquence
20I0044-03	EPA 5030B	09/03/2020 10:54	09/03/2020 10:54	Taylor M. Pasquence
20I0044-04	EPA 5030B	09/03/2020 10:54	09/03/2020 10:54	Taylor M. Pasquence
20I0044-01	EPA 5035A	09/02/2020 6:59	09/02/2020 6:59	Taylor M. Pasquence

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
20I0044-01	Total Solids	09/02/2020 8:05	09/02/2020 16:06	Sarah Kieck
20I0044-01	Volatile Organics, 8260 - Comprehens	09/02/2020 6:59	09/04/2020 8:37	Taylor M. Pasquence
20I0044-02	Volatile Organics, 8260 - Comprehens	09/02/2020 6:45	09/04/2020 1:50	Taylor M. Pasquence
20I0044-03	Volatile Organics, 8260 - Comprehens	09/03/2020 10:54	09/03/2020 18:09	Taylor M. Pasquence
20I0044-04	Volatile Organics, 8260 - Comprehens	09/03/2020 10:54	09/03/2020 16:26	Taylor M. Pasquence

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 20I0044

YOUR Information	Report To:	Invoice To:
Company: Walden Env Engineering	Company:	Company:
Address: 16 Spring Street Oyster Bay, NY 11771	Address:	Address:
Phone.: 516-624-7200	Phone.:	Phone.:
Contact: Nora Brew	Contact:	Contact:
E-mail: nbrew@walden-assoc.com	E-mail:	E-mail:

YOUR Project Number: IMPL0115.6

YOUR Project Name: 218 Lakeville Road New Hyde Park

YOUR PO#: IMPL0115.6

Turn-Around Time

RUSH - Next Day	
RUSH - Two Day	
RUSH - Three Day	
RUSH - Four Day	
Standard (5-7 Day)	X

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below) Erica Johnston

Matrix Codes

S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil ¦ Other

Samples From

New York	X
New Jersey	
Connecticut	
Pennsylvania	
Other	

Report / EDD Type (circle selections)

Summary Report	CT RCP	Standard Excel EDD
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package	NJDKQP	NJDEP SRP HazSite
		Other:

YORK Reg. Comp.

Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
GB 16 B (12-14)	S	8/31/20 15:30	VOCs via 5035	1 Terracore
FB-1	W	8/31/20 14:00	VOCs	3, 40ml vials
FB-2	W	9/1/20 10:00	VOCs	
TB-1	W	9/1/20 15:00	VOCs	2 vials w/HCl

Comments: Please compare soil sample to NYSDEC Part 375/CP-51 Commercial SCOs + Protection of GW SCOs

Preservation: (check all that apply)
HCl ✓ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: Methanol, DI water

Special Instruction
Field Filtered ___
Lab to Filter ___

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
EJ	9/1/2020 1500	K Bachyork	9-1-20 3pm	K Bachyork	9-1-20 1656
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				TGale	9/1/2020 1656 / 2.5 Degrees C

York Analytical Laboratories, Inc.
SDG: 20I0044
CLASS: VOA
METHOD: EPA 8260C

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

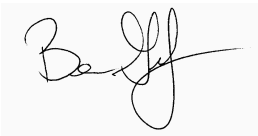
SDG: 20I0044

Client: Walden Associates

Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Client Sample Id:	Lab Sample Id:
GB-16B (12-14)	20I0044-01
FB-1	20I0044-02
FB-2	20I0044-03
TB-1	20I0044-04

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the project narrative. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by

Signature: 

Name: Benjamin Gulizia

Date: 3/10/2021

Title: Laboratory Director

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0I0440
Instrument: QVOA4
Calibration: YH00003

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00280-BS1)			Lab File ID: QV414001.D		Analyzed: 09/04/20 04:40			
SURR: 1,2-Dichloroethane-d4	50.0	99.4	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.2	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	96.1	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
Blank (BI00280-BLK1)			Lab File ID: QV414002.D		Analyzed: 09/04/20 05:07			
SURR: 1,2-Dichloroethane-d4	50.0	99.8	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	100	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	107	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
Blank (BI00280-BLK2)			Lab File ID: QV414003.D		Analyzed: 09/04/20 05:33			
SURR: 1,2-Dichloroethane-d4	50.0	98.7	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.2	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	105	76 - 130	9.106	9.104667	0.0013	+/-1.00	
GB-16B (12-14) (20I0044-01)			Lab File ID: QV414010.D		Analyzed: 09/04/20 08:37			
SURR: 1,2-Dichloroethane-d4	50.0	103	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.0	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	104	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
LCS Dup (BI00280-BSD1)			Lab File ID: QV414024.D		Analyzed: 09/04/20 14:45			
SURR: 1,2-Dichloroethane-d4	50.0	103	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	98.2	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	98.4	76 - 130	9.106	9.104667	0.0013	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0I0443
Instrument: QVOA9
Calibration: YH00024

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BI00313-BLK1)				Lab File ID: QV913535.D		Analyzed: 09/03/20 12:43		
SURR: 1,2-Dichloroethane-d4	10.0	114	69 - 130	5.432	5.432778	-0.0008	+/-1.00	
SURR: Toluene-d8	10.0	101	81 - 117	7.289	7.289778	-0.0008	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	99.0	79 - 122	10.079	10.08067	-0.0017	+/-1.00	
LCS (BI00313-BS1)				Lab File ID: QV913536.D		Analyzed: 09/03/20 14:00		
SURR: 1,2-Dichloroethane-d4	10.0	98.0	69 - 130	5.433	5.432778	0.0002	+/-1.00	
SURR: Toluene-d8	10.0	104	81 - 117	7.29	7.289778	0.0002	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	104	79 - 122	10.082	10.08067	0.0013	+/-1.00	
LCS Dup (BI00313-BSD1)				Lab File ID: QV913537.D		Analyzed: 09/03/20 14:26		
SURR: 1,2-Dichloroethane-d4	10.0	115	69 - 130	5.427	5.432778	-0.0058	+/-1.00	
SURR: Toluene-d8	10.0	99.8	81 - 117	7.289	7.289778	-0.0008	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	97.9	79 - 122	10.079	10.08067	-0.0017	+/-1.00	
TB-1 (20I0044-04)				Lab File ID: QV913541.D		Analyzed: 09/03/20 16:26		
SURR: 1,2-Dichloroethane-d4	10.0	117	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	100	81 - 117	7.29	7.289778	0.0002	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	101	79 - 122	10.079	10.08067	-0.0017	+/-1.00	
FB-2 (20I0044-03)				Lab File ID: QV913545.D		Analyzed: 09/03/20 18:09		
SURR: 1,2-Dichloroethane-d4	10.0	118	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	99.9	81 - 117	7.29	7.289778	0.0002	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	99.4	79 - 122	10.082	10.08067	0.0013	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0I0840
Instrument: QVOA9
Calibration: YH00024

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00364-BS1)			Lab File ID: QV913558.D		Analyzed: 09/03/20 23:42			
SURR: 1,2-Dichloroethane-d4	10.0	102	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	99.7	81 - 117	7.289	7.289778	-0.0008	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	97.9	79 - 122	10.082	10.08067	0.0013	+/-1.00	
LCS Dup (BI00364-BSD1)			Lab File ID: QV913559.D		Analyzed: 09/04/20 00:07			
SURR: 1,2-Dichloroethane-d4	10.0	102	69 - 130	5.432	5.432778	-0.0008	+/-1.00	
SURR: Toluene-d8	10.0	99.0	81 - 117	7.289	7.289778	-0.0008	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	97.8	79 - 122	10.079	10.08067	-0.0017	+/-1.00	
Blank (BI00364-BLK1)			Lab File ID: QV913561.D		Analyzed: 09/04/20 00:58			
SURR: 1,2-Dichloroethane-d4	10.0	102	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	98.4	81 - 117	7.289	7.289778	-0.0008	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	96.4	79 - 122	10.082	10.08067	0.0013	+/-1.00	
FB-1 (20I0044-02)			Lab File ID: QV913563.D		Analyzed: 09/04/20 01:50			
SURR: 1,2-Dichloroethane-d4	10.0	110	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	98.7	81 - 117	7.289	7.289778	-0.0008	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	93.6	79 - 122	10.079	10.08067	-0.0017	+/-1.00	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Soil
Batch: BI00280
Laboratory ID: BI00280-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	41	81.6	75 - 129
1,1,1-Trichloroethane	50.0	51	103	71 - 137
1,1,2,2-Tetrachloroethane	50.0	50	100	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	57	115	58 - 146
1,1,2-Trichloroethane	50.0	49	98.9	83 - 123
1,1-Dichloroethane	50.0	48	95.1	75 - 130
1,1-Dichloroethylene	50.0	51	102	64 - 137
1,2,3-Trichlorobenzene	50.0	53	106	81 - 140
1,2,3-Trichloropropane	50.0	50	99.6	81 - 126
1,2,4-Trichlorobenzene	50.0	50	100	80 - 141
1,2,4-Trimethylbenzene	50.0	46	92.1	84 - 125
1,2-Dibromo-3-chloropropane	50.0	50	99.5	74 - 142
1,2-Dibromoethane	50.0	49	98.8	86 - 123
1,2-Dichlorobenzene	50.0	49	97.8	85 - 122
1,2-Dichloroethane	50.0	50	99.4	71 - 133
1,2-Dichloropropane	50.0	46	92.7	81 - 122
1,3,5-Trimethylbenzene	50.0	47	94.2	82 - 126
1,3-Dichlorobenzene	50.0	48	96.1	84 - 124
1,4-Dichlorobenzene	50.0	47	93.9	84 - 124
1,4-Dioxane	1050	1200	118	10 - 228
2-Butanone	50.0	53	106	58 - 147
2-Hexanone	50.0	56	111	70 - 139
4-Methyl-2-pentanone	50.0	55	110	72 - 132
Acetone	50.0	38	76.7	36 - 155
Acrolein	50.0	76	153	10 - 238
Acrylonitrile	50.0	56	113	66 - 141
Benzene	50.0	51	102	77 - 127
Bromochloromethane	50.0	50	100	74 - 129
Bromodichloromethane	50.0	49	97.6	81 - 124
Bromoform	50.0	40	79.3 *	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Soil
Batch: BI00280
Laboratory ID: BI00280-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	50.0	73	145	32 - 177
Carbon disulfide	50.0	50	101	10 - 136
Carbon tetrachloride	50.0	54	109	66 - 143
Chlorobenzene	50.0	49	98.9	86 - 120
Chloroethane	50.0	73	145 *	51 - 142
Chloroform	50.0	50	100	76 - 131
Chloromethane	50.0	66	132	49 - 132
cis-1,2-Dichloroethylene	50.0	49	98.3	74 - 132
cis-1,3-Dichloropropylene	50.0	49	97.1	81 - 129
Cyclohexane	50.0	49	98.1	70 - 130
Dibromochloromethane	50.0	53	105	10 - 200
Dibromomethane	50.0	49	98.3	83 - 124
Dichlorodifluoromethane	50.0	64	129	28 - 158
Ethyl Benzene	50.0	48	96.5	84 - 125
Hexachlorobutadiene	50.0	51	101	83 - 133
Isopropylbenzene	50.0	46	91.6	81 - 127
Methyl acetate	50.0	45	90.0	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	51	102	74 - 131
Methylcyclohexane	50.0	49	97.1	70 - 130
Methylene chloride	50.0	53	105	57 - 141
n-Butylbenzene	50.0	48	95.9	80 - 130
n-Propylbenzene	50.0	46	92.8	74 - 136
o-Xylene	50.0	47	94.9	83 - 123
p- & m- Xylenes	100	97	97.5	82 - 128
p-Isopropyltoluene	50.0	48	96.5	85 - 125
sec-Butylbenzene	50.0	50	100	83 - 125
Styrene	50.0	49	98.7	86 - 126
tert-Butyl alcohol (TBA)	250	260	102	70 - 130
tert-Butylbenzene	50.0	46	92.3	80 - 127
Tetrachloroethylene	50.0	46	91.8	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil		
Batch:	BI00280	Laboratory ID:	BI00280-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	50.0	49	98.2	85 - 121
trans-1,2-Dichloroethylene	50.0	51	101	72 - 132
trans-1,3-Dichloropropylene	50.0	48	96.8	78 - 132
trans-1,4-dichloro-2-butene	50.0	51	101	75 - 135
Trichloroethylene	50.0	50	99.1	84 - 123
Trichlorofluoromethane	50.0	62	124	62 - 140
Vinyl Chloride	50.0	68	136 *	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Soil
Batch: BI00280
Laboratory ID: BI00280-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	41	82.4	1.00	30	75 - 129
1,1,1-Trichloroethane	50.0	54	107	4.31	30	71 - 137
1,1,2,2-Tetrachloroethane	50.0	54	108	7.71	30	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	62	124	7.53	30	58 - 146
1,1,2-Trichloroethane	50.0	52	104	4.83	30	83 - 123
1,1-Dichloroethane	50.0	50	100	5.30	30	75 - 130
1,1-Dichloroethylene	50.0	54	108	5.58	30	64 - 137
1,2,3-Trichlorobenzene	50.0	55	111	4.44	30	81 - 140
1,2,3-Trichloropropane	50.0	53	106	5.90	30	81 - 126
1,2,4-Trichlorobenzene	50.0	52	104	3.46	30	80 - 141
1,2,4-Trimethylbenzene	50.0	47	94.7	2.78	30	84 - 125
1,2-Dibromo-3-chloropropane	50.0	56	113	12.3	30	74 - 142
1,2-Dibromoethane	50.0	53	105	6.46	30	86 - 123
1,2-Dichlorobenzene	50.0	50	101	2.82	30	85 - 122
1,2-Dichloroethane	50.0	53	105	5.78	30	71 - 133
1,2-Dichloropropane	50.0	48	96.5	4.04	30	81 - 122
1,3,5-Trimethylbenzene	50.0	49	97.1	3.05	30	82 - 126
1,3-Dichlorobenzene	50.0	49	98.7	2.65	30	84 - 124
1,4-Dichlorobenzene	50.0	48	96.6	2.88	30	84 - 124
1,4-Dioxane	1050	1400	135	13.2	30	10 - 228
2-Butanone	50.0	63	125	16.3	30	58 - 147
2-Hexanone	50.0	58	117	5.07	30	70 - 139
4-Methyl-2-pentanone	50.0	59	118	6.40	30	72 - 132
Acetone	50.0	42	84.9	10.2	30	36 - 155
Acrolein	50.0	88	177	14.7	30	10 - 238
Acrylonitrile	50.0	61	122	7.77	30	66 - 141
Benzene	50.0	54	107	5.39	30	77 - 127
Bromochloromethane	50.0	53	106	5.30	30	74 - 129
Bromodichloromethane	50.0	50	99.1	1.53	30	81 - 124
Bromoform	50.0	40	79.7 *	0.528	30	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Soil
Batch: BI00280
Laboratory ID: BI00280-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	50.0	71	142		2.72	30	32 - 177
Carbon disulfide	50.0	53	105		4.30	30	10 - 136
Carbon tetrachloride	50.0	56	113		3.78	30	66 - 143
Chlorobenzene	50.0	51	101		2.51	30	86 - 120
Chloroethane	50.0	77	153	*	5.37	30	51 - 142
Chloroform	50.0	53	105		4.80	30	76 - 131
Chloromethane	50.0	70	140	*	6.30	30	49 - 132
cis-1,2-Dichloroethylene	50.0	52	104		5.65	30	74 - 132
cis-1,3-Dichloropropylene	50.0	49	97.8		0.698	30	81 - 129
Cyclohexane	50.0	53	105		7.04	30	70 - 130
Dibromochloromethane	50.0	54	107		1.94	30	10 - 200
Dibromomethane	50.0	51	102		3.44	30	83 - 124
Dichlorodifluoromethane	50.0	69	139		7.67	30	28 - 158
Ethyl Benzene	50.0	49	98.9		2.46	30	84 - 125
Hexachlorobutadiene	50.0	54	108		6.35	30	83 - 133
Isopropylbenzene	50.0	48	95.7		4.34	30	81 - 127
Methyl acetate	50.0	49	98.0		8.55	30	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	54	108		6.44	30	74 - 131
Methylcyclohexane	50.0	50	100		3.34	30	70 - 130
Methylene chloride	50.0	56	112		6.01	30	57 - 141
n-Butylbenzene	50.0	49	98.8		2.96	30	80 - 130
n-Propylbenzene	50.0	48	96.3		3.62	30	74 - 136
o-Xylene	50.0	49	97.3		2.44	30	83 - 123
p- & m- Xylenes	100	100	100		2.73	30	82 - 128
p-Isopropyltoluene	50.0	49	98.8		2.36	30	85 - 125
sec-Butylbenzene	50.0	52	103		3.26	30	83 - 125
Styrene	50.0	51	101		2.70	30	86 - 126
tert-Butyl alcohol (TBA)	250	280	113		10.1	30	70 - 130
tert-Butylbenzene	50.0	49	97.5		5.52	30	80 - 127
Tetrachloroethylene	50.0	47	93.5		1.88	30	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil		
Batch:	BI00280	Laboratory ID:	BI00280-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.0	51	101	3.19	30	85 - 121
trans-1,2-Dichloroethylene	50.0	54	107	5.68	30	72 - 132
trans-1,3-Dichloropropylene	50.0	49	98.2	1.48	30	78 - 132
trans-1,4-dichloro-2-butene	50.0	54	108	6.61	30	75 - 135
Trichloroethylene	50.0	51	102	2.53	30	84 - 123
Trichlorofluoromethane	50.0	63	126	1.45	30	62 - 140
Vinyl Chloride	50.0	75	150 *	9.92	30	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00313
Laboratory ID: BI00313-BS1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	10	103	82 - 126
1,1,1-Trichloroethane	10.0	11	109	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.1	90.7	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10	100	54 - 165
1,1,2-Trichloroethane	10.0	8.9	88.8	82 - 123
1,1-Dichloroethane	10.0	9.4	93.9	82 - 129
1,1-Dichloroethylene	10.0	10	103	68 - 138
1,2,3-Trichlorobenzene	10.0	9.2	91.8	40 - 130
1,2,3-Trichloropropane	10.0	10	101	77 - 128
1,2,4-Trichlorobenzene	10.0	9.8	98.0	65 - 137
1,2,4-Trimethylbenzene	10.0	12	118	82 - 132
1,2-Dibromo-3-chloropropane	10.0	10	101	45 - 147
1,2-Dibromoethane	10.0	8.9	88.9	83 - 124
1,2-Dichlorobenzene	10.0	11	110	79 - 123
1,2-Dichloroethane	10.0	9.9	99.4	73 - 132
1,2-Dichloropropane	10.0	9.4	93.5	78 - 126
1,3,5-Trimethylbenzene	10.0	12	119	80 - 131
1,3-Dichlorobenzene	10.0	11	108	86 - 130
1,4-Dichlorobenzene	10.0	11	110	85 - 130
1,4-Dioxane	210	200	93.2	10 - 349
2-Butanone	10.0	8.4	84.0	49 - 152
2-Hexanone	10.0	8.4	84.4	51 - 146
4-Methyl-2-pentanone	10.0	8.1	81.4	57 - 145
Acetone	10.0	9.2	91.8	14 - 150
Acrolein	10.0	6.5	64.8	10 - 153
Acrylonitrile	10.0	7.4	74.4	51 - 150
Benzene	10.0	9.5	95.3	85 - 126
Bromochloromethane	10.0	8.9	89.4	77 - 128
Bromodichloromethane	10.0	10	100	79 - 128
Bromoform	10.0	8.8	87.7	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00313
Laboratory ID: BI00313-BS1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	6.8	68.2	43 - 168
Carbon disulfide	10.0	9.1	91.1	68 - 146
Carbon tetrachloride	10.0	11	109	77 - 141
Chlorobenzene	10.0	10	103	88 - 120
Chloroethane	10.0	11	107	65 - 136
Chloroform	10.0	10	99.7	82 - 128
Chloromethane	10.0	9.3	92.9	43 - 155
cis-1,2-Dichloroethylene	10.0	10	102	83 - 129
cis-1,3-Dichloropropylene	10.0	9.5	95.3	80 - 131
Cyclohexane	10.0	10	103	63 - 149
Dibromochloromethane	10.0	9.2	92.3	80 - 130
Dibromomethane	10.0	8.9	89.2	72 - 134
Dichlorodifluoromethane	10.0	11	114	44 - 144
Ethyl Benzene	10.0	11	109	80 - 131
Hexachlorobutadiene	10.0	11	111	67 - 146
Isopropylbenzene	10.0	12	116	76 - 140
Methyl acetate	10.0	8.0	79.6	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	7.9	79.0	76 - 135
Methylcyclohexane	10.0	10	103	72 - 143
Methylene chloride	10.0	9.5	94.6	55 - 137
n-Butylbenzene	10.0	12	121	79 - 132
n-Propylbenzene	10.0	12	117	78 - 133
o-Xylene	10.0	11	108	78 - 130
p- & m- Xylenes	20.0	22	111	77 - 133
p-Isopropyltoluene	10.0	12	119	81 - 136
sec-Butylbenzene	10.0	12	125	79 - 137
Styrene	10.0	11	108	67 - 132
tert-Butyl alcohol (TBA)	50.0	29	58.7	25 - 162
tert-Butylbenzene	10.0	10	103	77 - 138
Tetrachloroethylene	10.0	11	111	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water		
Batch:	BI00313	Laboratory ID:	BI00313-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	10.0	10	102	80 - 127
trans-1,2-Dichloroethylene	10.0	10	102	80 - 132
trans-1,3-Dichloropropylene	10.0	9.4	94.0	78 - 131
trans-1,4-dichloro-2-butene	10.0	9.8	98.0	63 - 141
Trichloroethylene	10.0	11	107	82 - 128
Trichlorofluoromethane	10.0	11	115	67 - 139
Vinyl Chloride	10.0	9.6	96.1	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00313
Laboratory ID: BI00313-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	10	101	1.96	30	82 - 126
1,1,1-Trichloroethane	10.0	11	105	3.46	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.6	96.0	5.68	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.4	93.5	7.12	30	54 - 165
1,1,2-Trichloroethane	10.0	9.6	95.9	7.69	30	82 - 123
1,1-Dichloroethane	10.0	9.4	93.7	0.213	30	82 - 129
1,1-Dichloroethylene	10.0	9.6	96.2	6.73	30	68 - 138
1,2,3-Trichlorobenzene	10.0	9.3	93.1	1.41	30	40 - 130
1,2,3-Trichloropropane	10.0	11	105	3.97	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.8	97.9	0.102	30	65 - 137
1,2,4-Trimethylbenzene	10.0	10	103	13.2	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.8	97.8	3.12	30	45 - 147
1,2-Dibromoethane	10.0	9.8	98.1	9.84	30	83 - 124
1,2-Dichlorobenzene	10.0	10	101	7.98	30	79 - 123
1,2-Dichloroethane	10.0	11	111	11.1	30	73 - 132
1,2-Dichloropropane	10.0	9.1	90.7	3.04	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10	102	15.1	30	80 - 131
1,3-Dichlorobenzene	10.0	10	99.7	7.81	30	86 - 130
1,4-Dichlorobenzene	10.0	9.9	99.4	9.67	30	85 - 130
1,4-Dioxane	210	200	93.3	0.148	30	10 - 349
2-Butanone	10.0	10	103	20.1	30	49 - 152
2-Hexanone	10.0	11	106	23.0	30	51 - 146
4-Methyl-2-pentanone	10.0	10	103	23.0	30	57 - 145
Acetone	10.0	11	105	13.5	30	14 - 150
Acrolein	10.0	7.2	72.4	11.1	30	10 - 153
Acrylonitrile	10.0	9.2	92.2	21.4	30	51 - 150
Benzene	10.0	9.4	93.5	1.91	30	85 - 126
Bromochloromethane	10.0	9.6	96.3	7.43	30	77 - 128
Bromodichloromethane	10.0	10	100	0.199	30	79 - 128
Bromoform	10.0	9.6	96.3	9.35	30	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00313
Laboratory ID: BI00313-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	10.0	6.2	61.9	9.68	30	43 - 168
Carbon disulfide	10.0	8.5	85.1	6.81	30	68 - 146
Carbon tetrachloride	10.0	11	106	2.69	30	77 - 141
Chlorobenzene	10.0	9.8	98.2	4.58	30	88 - 120
Chloroethane	10.0	10	100	5.99	30	65 - 136
Chloroform	10.0	10	101	1.69	30	82 - 128
Chloromethane	10.0	8.7	86.9	6.67	30	43 - 155
cis-1,2-Dichloroethylene	10.0	10	102	0.295	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.7	97.1	1.87	30	80 - 131
Cyclohexane	10.0	9.8	98.3	4.77	30	63 - 149
Dibromochloromethane	10.0	10	101	9.20	30	80 - 130
Dibromomethane	10.0	9.7	96.9	8.28	30	72 - 134
Dichlorodifluoromethane	10.0	11	106	7.47	30	44 - 144
Ethyl Benzene	10.0	10	102	7.20	30	80 - 131
Hexachlorobutadiene	10.0	9.9	99.2	10.9	30	67 - 146
Isopropylbenzene	10.0	9.6	96.1	18.6	30	76 - 140
Methyl acetate	10.0	9.3	93.3	15.8	30	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.8	98.4	21.9	30	76 - 135
Methylcyclohexane	10.0	9.0	89.8	13.5	30	72 - 143
Methylene chloride	10.0	9.7	97.4	2.92	30	55 - 137
n-Butylbenzene	10.0	10	100	18.6	30	79 - 132
n-Propylbenzene	10.0	9.7	96.7	18.7	30	78 - 133
o-Xylene	10.0	10	102	5.91	30	78 - 130
p- & m- Xylenes	20.0	21	103	7.45	30	77 - 133
p-Isopropyltoluene	10.0	10	102	16.1	30	81 - 136
sec-Butylbenzene	10.0	10	102	19.9	30	79 - 137
Styrene	10.0	10	105	3.01	30	67 - 132
tert-Butyl alcohol (TBA)	50.0	41	82.0	33.0 *	30	25 - 162
tert-Butylbenzene	10.0	8.6	86.2	17.5	30	77 - 138
Tetrachloroethylene	10.0	9.8	98.3	11.8	30	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water		
Batch:	BI00313	Laboratory ID:	BI00313-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	10.0	9.4	93.7	8.48	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.7	97.1	5.22	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.9	99.1	5.28	30	78 - 131
trans-1,4-dichloro-2-butene	10.0	9.8	97.6	0.409	30	63 - 141
Trichloroethylene	10.0	9.5	95.1	11.4	30	82 - 128
Trichlorofluoromethane	10.0	11	107	7.49	30	67 - 139
Vinyl Chloride	10.0	9.0	90.4	6.11	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00364
Laboratory ID: BI00364-BS1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.7	97.0	82 - 126
1,1,1-Trichloroethane	10.0	9.9	98.6	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.1	90.8	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10	102	54 - 165
1,1,2-Trichloroethane	10.0	9.3	93.1	82 - 123
1,1-Dichloroethane	10.0	9.1	90.7	82 - 129
1,1-Dichloroethylene	10.0	9.6	96.2	68 - 138
1,2,3-Trichlorobenzene	10.0	9.2	92.4	40 - 130
1,2,3-Trichloropropane	10.0	10	102	77 - 128
1,2,4-Trichlorobenzene	10.0	9.4	94.4	65 - 137
1,2,4-Trimethylbenzene	10.0	9.9	98.9	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.6	86.5	45 - 147
1,2-Dibromoethane	10.0	9.3	93.1	83 - 124
1,2-Dichlorobenzene	10.0	9.8	97.5	79 - 123
1,2-Dichloroethane	10.0	9.3	93.0	73 - 132
1,2-Dichloropropane	10.0	9.1	90.8	78 - 126
1,3,5-Trimethylbenzene	10.0	10	99.7	80 - 131
1,3-Dichlorobenzene	10.0	9.7	97.1	86 - 130
1,4-Dichlorobenzene	10.0	9.7	97.4	85 - 130
1,4-Dioxane	210	220	103	10 - 349
2-Butanone	10.0	11	110	49 - 152
2-Hexanone	10.0	9.1	90.6	51 - 146
4-Methyl-2-pentanone	10.0	8.8	88.4	57 - 145
Acetone	10.0	9.7	96.7	14 - 150
Acrolein	10.0	7.6	76.5	10 - 153
Acrylonitrile	10.0	8.6	86.4	51 - 150
Benzene	10.0	9.4	94.0	85 - 126
Bromochloromethane	10.0	8.7	87.1	77 - 128
Bromodichloromethane	10.0	9.4	93.6	79 - 128
Bromoform	10.0	8.6	86.4	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00364
Laboratory ID: BI00364-BS1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	4.6	45.7	43 - 168
Carbon disulfide	10.0	9.3	93.3	68 - 146
Carbon tetrachloride	10.0	9.9	99.4	77 - 141
Chlorobenzene	10.0	9.6	96.4	88 - 120
Chloroethane	10.0	11	114	65 - 136
Chloroform	10.0	9.4	94.4	82 - 128
Chloromethane	10.0	8.2	82.4	43 - 155
cis-1,2-Dichloroethylene	10.0	9.6	96.3	83 - 129
cis-1,3-Dichloropropylene	10.0	9.3	92.9	80 - 131
Cyclohexane	10.0	9.9	99.1	63 - 149
Dibromochloromethane	10.0	9.5	95.3	80 - 130
Dibromomethane	10.0	9.3	92.6	72 - 134
Dichlorodifluoromethane	10.0	10	100	44 - 144
Ethyl Benzene	10.0	10	101	80 - 131
Hexachlorobutadiene	10.0	9.8	98.4	67 - 146
Isopropylbenzene	10.0	9.6	96.2	76 - 140
Methyl acetate	10.0	8.6	85.7	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.3	92.8	76 - 135
Methylcyclohexane	10.0	9.9	99.1	72 - 143
Methylene chloride	10.0	9.1	91.0	55 - 137
n-Butylbenzene	10.0	10	103	79 - 132
n-Propylbenzene	10.0	9.8	98.2	78 - 133
o-Xylene	10.0	9.8	98.0	78 - 130
p- & m- Xylenes	20.0	20	101	77 - 133
p-Isopropyltoluene	10.0	10	100	81 - 136
sec-Butylbenzene	10.0	10	104	79 - 137
Styrene	10.0	10	101	67 - 132
tert-Butyl alcohol (TBA)	50.0	38	76.8	25 - 162
tert-Butylbenzene	10.0	8.7	86.6	77 - 138
Tetrachloroethylene	10.0	10	99.7	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water		
Batch:	BI00364	Laboratory ID:	BI00364-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	10.0	9.9	98.8	80 - 127
trans-1,2-Dichloroethylene	10.0	9.4	94.1	80 - 132
trans-1,3-Dichloropropylene	10.0	9.0	89.7	78 - 131
trans-1,4-dichloro-2-butene	10.0	9.1	91.0	63 - 141
Trichloroethylene	10.0	9.8	97.9	82 - 128
Trichlorofluoromethane	10.0	11	106	67 - 139
Vinyl Chloride	10.0	9.4	94.3	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00364
Laboratory ID: BI00364-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.4	93.9	3.25	30	82 - 126
1,1,1-Trichloroethane	10.0	9.1	91.3	7.69	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.1	90.8	0.00	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.3	92.9	9.63	30	54 - 165
1,1,2-Trichloroethane	10.0	8.9	88.7	4.84	30	82 - 123
1,1-Dichloroethane	10.0	8.5	84.7	6.84	30	82 - 129
1,1-Dichloroethylene	10.0	8.9	88.9	7.89	30	68 - 138
1,2,3-Trichlorobenzene	10.0	9.0	90.5	2.08	30	40 - 130
1,2,3-Trichloropropane	10.0	9.5	95.0	7.11	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.4	94.5	0.106	30	65 - 137
1,2,4-Trimethylbenzene	10.0	9.6	96.0	2.98	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.8	87.5	1.15	30	45 - 147
1,2-Dibromoethane	10.0	9.1	90.7	2.61	30	83 - 124
1,2-Dichlorobenzene	10.0	9.6	95.9	1.65	30	79 - 123
1,2-Dichloroethane	10.0	8.8	88.3	5.18	30	73 - 132
1,2-Dichloropropane	10.0	8.5	85.3	6.25	30	78 - 126
1,3,5-Trimethylbenzene	10.0	9.6	96.0	3.78	30	80 - 131
1,3-Dichlorobenzene	10.0	9.2	92.5	4.85	30	86 - 130
1,4-Dichlorobenzene	10.0	9.4	93.7	3.87	30	85 - 130
1,4-Dioxane	210	220	107	3.88	30	10 - 349
2-Butanone	10.0	9.5	95.2	14.8	30	49 - 152
2-Hexanone	10.0	9.3	92.6	2.18	30	51 - 146
4-Methyl-2-pentanone	10.0	8.9	88.8	0.451	30	57 - 145
Acetone	10.0	9.1	90.7	6.40	30	14 - 150
Acrolein	10.0	6.9	68.9	10.5	30	10 - 153
Acrylonitrile	10.0	8.4	84.4	2.34	30	51 - 150
Benzene	10.0	8.9	88.8	5.69	30	85 - 126
Bromochloromethane	10.0	8.3	83.4	4.34	30	77 - 128
Bromodichloromethane	10.0	8.9	89.4	4.59	30	79 - 128
Bromoform	10.0	8.9	88.7	2.63	30	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00364
Laboratory ID: BI00364-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	10.0	4.4	44.3	3.11	30	43 - 168
Carbon disulfide	10.0	8.5	85.2	9.08	30	68 - 146
Carbon tetrachloride	10.0	9.2	92.3	7.41	30	77 - 141
Chlorobenzene	10.0	9.3	93.3	3.27	30	88 - 120
Chloroethane	10.0	10	103	9.78	30	65 - 136
Chloroform	10.0	8.9	89.3	5.55	30	82 - 128
Chloromethane	10.0	7.7	76.9	6.91	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.0	89.7	7.10	30	83 - 129
cis-1,3-Dichloropropylene	10.0	8.9	89.0	4.29	30	80 - 131
Cyclohexane	10.0	9.0	90.1	9.51	30	63 - 149
Dibromochloromethane	10.0	9.1	91.4	4.18	30	80 - 130
Dibromomethane	10.0	8.7	87.3	5.89	30	72 - 134
Dichlorodifluoromethane	10.0	9.2	91.7	9.06	30	44 - 144
Ethyl Benzene	10.0	9.5	95.3	6.10	30	80 - 131
Hexachlorobutadiene	10.0	9.4	94.4	4.15	30	67 - 146
Isopropylbenzene	10.0	9.1	90.8	5.78	30	76 - 140
Methyl acetate	10.0	8.5	85.1	0.703	30	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.0	89.6	3.51	30	76 - 135
Methylcyclohexane	10.0	9.2	91.8	7.65	30	72 - 143
Methylene chloride	10.0	8.4	84.1	7.88	30	55 - 137
n-Butylbenzene	10.0	9.9	99.3	4.05	30	79 - 132
n-Propylbenzene	10.0	9.3	92.9	5.55	30	78 - 133
o-Xylene	10.0	9.5	95.2	2.90	30	78 - 130
p- & m- Xylenes	20.0	19	95.6	5.60	30	77 - 133
p-Isopropyltoluene	10.0	9.7	97.0	3.54	30	81 - 136
sec-Butylbenzene	10.0	10	101	3.80	30	79 - 137
Styrene	10.0	9.8	97.8	3.42	30	67 - 132
tert-Butyl alcohol (TBA)	50.0	38	75.9	1.20	30	25 - 162
tert-Butylbenzene	10.0	8.1	81.3	6.31	30	77 - 138
Tetrachloroethylene	10.0	9.4	93.7	6.20	30	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix: Water
Batch: BI00364
Laboratory ID: BI00364-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	10.0	9.2	91.5	7.67	30	80 - 127
trans-1,2-Dichloroethylene	10.0	8.8	87.7	7.04	30	80 - 132
trans-1,3-Dichloropropylene	10.0	8.8	88.5	1.35	30	78 - 131
trans-1,4-dichloro-2-butene	10.0	9.0	89.9	1.22	30	63 - 141
Trichloroethylene	10.0	9.2	91.6	6.65	30	82 - 128
Trichlorofluoromethane	10.0	9.8	97.6	8.63	30	67 - 139
Vinyl Chloride	10.0	8.6	86.2	8.98	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Batch: BI00280 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-16B (12-14)	20I0044-01	QV414010.D	09/02/20 06:59	
Blank	BI00280-BLK1	QV414002.D	09/03/20 06:06	
Blank	BI00280-BLK2	QV414003.D	09/03/20 12:06	
LCS	BI00280-BS1	QV414001.D	09/03/20 06:06	
LCS Dup	BI00280-BSD1	QV414024.D	09/03/20 06:06	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Batch: BI00313 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
FB-2	20I0044-03	QV913545.D	09/03/20 10:54	
TB-1	20I0044-04	QV913541.D	09/03/20 10:54	
Blank	BI00313-BLK1	QV913535.D	09/03/20 06:54	
LCS	BI00313-BS1	QV913536.D	09/03/20 06:54	
LCS Dup	BI00313-BSD1	QV913537.D	09/03/20 06:54	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Batch: BI00364 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
FB-1	20I0044-02	QV913563.D	09/02/20 06:45	
Blank	BI00364-BLK1	QV913561.D	09/03/20 06:45	
LCS	BI00364-BS1	QV913558.D	09/03/20 06:45	
LCS Dup	BI00364-BSD1	QV913559.D	09/03/20 06:45	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK1	File ID:	QV414002.D
Prepared:	09/03/20 06:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:07	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK1	File ID:	QV414002.D
Prepared:	09/03/20 06:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:07	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK1	File ID:	QV414002.D
Prepared:	09/03/20 06:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:07	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.9	99.8	77 - 125	
SURR: p-Bromofluorobenzene	50.0	53.4	107	76 - 130	
SURR: Toluene-d8	50.0	50.0	100	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	635991	10.789	746914	10.79	
ISTD: Chlorobenzene-d5	1467669	7.846	1526006	7.843	
ISTD: Fluorobenzene	399522	4.877	419714	4.88	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK2	File ID:	QV414003.D
Prepared:	09/03/20 12:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:33	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK2	File ID:	QV414003.D
Prepared:	09/03/20 12:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:33	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK2	File ID:	QV414003.D
Prepared:	09/03/20 12:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:33	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.3	98.7	77 - 125	
SURR: p-Bromofluorobenzene	50.0	52.3	105	76 - 130	
SURR: Toluene-d8	50.0	49.6	99.2	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	677123	10.792	746914	10.79	
ISTD: Chlorobenzene-d5	1533673	7.843	1526006	7.843	
ISTD: Fluorobenzene	415342	4.88	419714	4.88	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00313-BLK1	File ID:	QV913535.D
Prepared:	09/03/20 06:54	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/03/20 12:43	Instrument:	QVOA9		
Batch:	BI00313	Sequence:	Y0I0443	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00313-BLK1	File ID:	QV913535.D
Prepared:	09/03/20 06:54	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/03/20 12:43	Instrument:	QVOA9		
Batch:	BI00313	Sequence:	Y0I0443	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00313-BLK1	File ID:	QV913535.D
Prepared:	09/03/20 06:54	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/03/20 12:43	Instrument:	QVOA9		
Batch:	BI00313	Sequence:	Y0I0443	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.4	114	69 - 130	
SURR: p-Bromofluorobenzene	10.0	9.90	99.0	79 - 122	
SURR: Toluene-d8	10.0	10.1	101	81 - 117	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	133721	11.779	138289	11.779	
ISTD: Chlorobenzene-d5	497509	8.789	496267	8.789	
ISTD: Fluorobenzene	141599	5.749	141331	5.746	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00364-BLK1	File ID:	QV913561.D
Prepared:	09/03/20 06:45	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/04/20 00:58	Instrument:	QVOA9		
Batch:	BI00364	Sequence:	Y0I0840	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00364-BLK1	File ID:	QV913561.D
Prepared:	09/03/20 06:45	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/04/20 00:58	Instrument:	QVOA9		
Batch:	BI00364	Sequence:	Y0I0840	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00364-BLK1	File ID:	QV913561.D
Prepared:	09/03/20 06:45	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/04/20 00:58	Instrument:	QVOA9		
Batch:	BI00364	Sequence:	Y0I0840	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
SURR: p-Bromofluorobenzene	10.0	9.64	96.4	79 - 122	
SURR: Toluene-d8	10.0	9.84	98.4	81 - 117	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	176289	11.782	183311	11.782	
ISTD: Chlorobenzene-d5	652508	8.792	660135	8.792	
ISTD: Fluorobenzene	186495	5.746	183682	5.746	

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Lab File ID:	QV413154.D	Injection Date:	08/04/20
Instrument ID:	QVOA4	Injection Time:	16:15
Sequence:	Y0H0722	Lab Sample ID:	Y0H0722-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.2	PASS
75	30 - 60% of 95	55.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.13	PASS
173	Less than 2% of 174	0.68	PASS
174	50 - 100% of 95	59.5	PASS
175	5 - 9% of 174	7.14	PASS
176	95 - 101% of 174	97.4	PASS
177	5 - 9% of 176	6.89	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Lab File ID:	QV913271.D	Injection Date:	08/26/20
Instrument ID:	QVOA9	Injection Time:	01:52
Sequence:	Y0H2624	Lab Sample ID:	Y0H2624-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.8	PASS
75	30 - 60% of 95	50.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.71	PASS
173	Less than 2% of 174	0.635	PASS
174	50 - 100% of 95	72.3	PASS
175	5 - 9% of 174	7.26	PASS
176	95 - 101% of 174	95.1	PASS
177	5 - 9% of 176	7.01	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Lab File ID:	QV413998.D	Injection Date:	09/04/20
Instrument ID:	QVOA4	Injection Time:	03:21
Sequence:	Y0I0440	Lab Sample ID:	Y0I0440-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.2	PASS
75	30 - 60% of 95	53.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.64	PASS
173	Less than 2% of 174	0.354	PASS
174	50 - 100% of 95	62.4	PASS
175	5 - 9% of 174	7.28	PASS
176	95 - 101% of 174	95.3	PASS
177	5 - 9% of 176	6.26	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Lab File ID:	QV913530.D	Injection Date:	09/03/20
Instrument ID:	QVOA9	Injection Time:	10:14
Sequence:	Y0I0443	Lab Sample ID:	Y0I0443-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.4	PASS
75	30 - 60% of 95	53.5	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.64	PASS
173	Less than 2% of 174	1.19	PASS
174	50 - 100% of 95	70.4	PASS
175	5 - 9% of 174	7.34	PASS
176	95 - 101% of 174	95.2	PASS
177	5 - 9% of 176	6.35	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Lab File ID:	QV913555.D	Injection Date:	09/03/20
Instrument ID:	QVOA9	Injection Time:	22:25
Sequence:	Y0I0840	Lab Sample ID:	Y0I0840-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.9	PASS
75	30 - 60% of 95	51.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.95	PASS
173	Less than 2% of 174	0.824	PASS
174	50 - 100% of 95	68.8	PASS
175	5 - 9% of 174	6.99	PASS
176	95 - 101% of 174	96.6	PASS
177	5 - 9% of 176	7.19	PASS

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence:	Y0H0722	Instrument:	QVOA4
		Calibration:	YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0H0722-TUN1	QV413154.D	08/04/20 16:15
Cal Standard	Y0H0722-CAL1	QV413157.D	08/04/20 17:07
Cal Standard	Y0H0722-CAL2	QV413158.D	08/04/20 17:33
Cal Standard	Y0H0722-CAL3	QV413159.D	08/04/20 17:59
Cal Standard	Y0H0722-CAL4	QV413160.D	08/04/20 18:26
Cal Standard	Y0H0722-CAL5	QV413161.D	08/04/20 18:52
Cal Standard	Y0H0722-CAL6	QV413162.D	08/04/20 19:18
Secondary Cal Check	Y0H0722-SCV1	QV413165.D	08/04/20 20:37

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0H2624
Instrument: QVOA9
Calibration: YH00024

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0H2624-TUN1	QV913271.D	08/26/20 01:52
Cal Standard	Y0H2624-CAL1	QV913273.D	08/26/20 02:44
Cal Standard	Y0H2624-CAL2	QV913274.D	08/26/20 03:09
Cal Standard	Y0H2624-CAL3	QV913275.D	08/26/20 03:35
Cal Standard	Y0H2624-CAL4	QV913276.D	08/26/20 04:01
Cal Standard	Y0H2624-CAL5	QV913277.D	08/26/20 04:26
Cal Standard	Y0H2624-CAL6	QV913278.D	08/26/20 04:52
Cal Standard	Y0H2624-CAL7	QV913279.D	08/26/20 05:18
Cal Standard	Y0H2624-CAL8	QV913280.D	08/26/20 05:43
Cal Standard	Y0H2624-CAL9	QV913281.D	08/26/20 06:09
Secondary Cal Check	Y0H2624-SCV1	QV913284.D	08/26/20 07:26

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0I0440
Instrument: QVOA4
Calibration: YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I0440-TUN1	QV413998.D	09/04/20 03:21
Calibration Check	Y0I0440-CCV1	QV413999.D	09/04/20 03:48
LCS	BI00280-BS1	QV414001.D	09/04/20 04:40
Blank	BI00280-BLK1	QV414002.D	09/04/20 05:07
Blank	BI00280-BLK2	QV414003.D	09/04/20 05:33
GB-16B (12-14)	20I0044-01	QV414010.D	09/04/20 08:37
LCS Dup	BI00280-BSD1	QV414024.D	09/04/20 14:45

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0I0443
Instrument: QVOA9
Calibration: YH00024

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I0443-TUN1	QV913530.D	09/03/20 10:14
Calibration Check	Y0I0443-CCV1	QV913531.D	09/03/20 10:40
Blank	BI00313-BLK1	QV913535.D	09/03/20 12:43
LCS	BI00313-BS1	QV913536.D	09/03/20 14:00
LCS Dup	BI00313-BSD1	QV913537.D	09/03/20 14:26
TB-1	20I0044-04	QV913541.D	09/03/20 16:26
FB-2	20I0044-03	QV913545.D	09/03/20 18:09

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence:	Y0I0840	Instrument:	QVOA9
		Calibration:	YH00024

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I0840-TUN1	QV913555.D	09/03/20 22:25
Calibration Check	Y0I0840-CCV1	QV913557.D	09/03/20 23:16
LCS	BI00364-BS1	QV913558.D	09/03/20 23:42
LCS Dup	BI00364-BSD1	QV913559.D	09/04/20 00:07
Blank	BI00364-BLK1	QV913561.D	09/04/20 00:58
FB-1	20I0044-02	QV913563.D	09/04/20 01:50

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044
Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0H0722 Instrument: QVOA4
Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (Y0H0722-CAL1)			Lab File ID: QV413157.D			Analyzed: 08/04/20 17:07			
ISTD: Fluorobenzene	549424	4.88	533670	4.88	103	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1937839	7.843	1885854	7.846	103	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	867919	10.79	892068	10.792	97	50 - 200	-0.0020	+/-0.17	
Cal Standard (Y0H0722-CAL2)			Lab File ID: QV413158.D			Analyzed: 08/04/20 17:33			
ISTD: Fluorobenzene	556556	4.88	533670	4.88	104	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1908347	7.843	1885854	7.846	101	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	860958	10.792	892068	10.792	97	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL3)			Lab File ID: QV413159.D			Analyzed: 08/04/20 17:59			
ISTD: Fluorobenzene	523019	4.88	533670	4.88	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1843426	7.846	1885854	7.846	98	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	848827	10.792	892068	10.792	95	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL4)			Lab File ID: QV413160.D			Analyzed: 08/04/20 18:26			
ISTD: Fluorobenzene	533670	4.88	533670	4.88	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1885854	7.846	1885854	7.846	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	892068	10.792	892068	10.792	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL5)			Lab File ID: QV413161.D			Analyzed: 08/04/20 18:52			
ISTD: Fluorobenzene	540529	4.88	533670	4.88	101	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1935829	7.846	1885854	7.846	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1011578	10.792	892068	10.792	113	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL6)			Lab File ID: QV413162.D			Analyzed: 08/04/20 19:18			
ISTD: Fluorobenzene	559479	4.883	533670	4.88	105	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2092222	7.846	1885854	7.846	111	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1201745	10.795	892068	10.792	135	50 - 200	0.0030	+/-0.17	
Secondary Cal Check (Y0H0722-SCV1)			Lab File ID: QV413165.D			Analyzed: 08/04/20 20:37			
ISTD: Fluorobenzene	573258	4.88	533670	4.88	107	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2048628	7.846	1885854	7.846	109	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	985291	10.792	892068	10.792	110	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044
Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0H2624 Instrument: QVOA9
Calibration: YH00024

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (Y0H2624-CAL1)			Lab File ID: QV913273.D			Analyzed: 08/26/20 02:44			
ISTD: Fluorobenzene	199784	5.749	204890	5.749	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	718935	8.792	744432	8.792	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	194340	11.782	205331	11.782	95	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL2)			Lab File ID: QV913274.D			Analyzed: 08/26/20 03:09			
ISTD: Fluorobenzene	206654	5.746	204890	5.749	101	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	759790	8.792	744432	8.792	102	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	209429	11.779	205331	11.782	102	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0H2624-CAL3)			Lab File ID: QV913275.D			Analyzed: 08/26/20 03:35			
ISTD: Fluorobenzene	206816	5.749	204890	5.749	101	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	747552	8.792	744432	8.792	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	206553	11.782	205331	11.782	101	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL4)			Lab File ID: QV913276.D			Analyzed: 08/26/20 04:01			
ISTD: Fluorobenzene	204890	5.749	204890	5.749	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	744432	8.792	744432	8.792	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	205331	11.782	205331	11.782	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL5)			Lab File ID: QV913277.D			Analyzed: 08/26/20 04:26			
ISTD: Fluorobenzene	201850	5.749	204890	5.749	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	745870	8.792	744432	8.792	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	209145	11.779	205331	11.782	102	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0H2624-CAL6)			Lab File ID: QV913278.D			Analyzed: 08/26/20 04:52			
ISTD: Fluorobenzene	209566	5.746	204890	5.749	102	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	765506	8.792	744432	8.792	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	210416	11.782	205331	11.782	102	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL7)			Lab File ID: QV913279.D			Analyzed: 08/26/20 05:18			
ISTD: Fluorobenzene	202717	5.749	204890	5.749	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	715980	8.792	744432	8.792	96	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	186744	11.779	205331	11.782	91	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0H2624-CAL8)			Lab File ID: QV913280.D			Analyzed: 08/26/20 05:43			
ISTD: Fluorobenzene	203166	5.749	204890	5.749	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	721515	8.795	744432	8.792	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	188353	11.782	205331	11.782	92	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL9)			Lab File ID: QV913281.D			Analyzed: 08/26/20 06:09			
ISTD: Fluorobenzene	207291	5.746	204890	5.749	101	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	721237	8.795	744432	8.792	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	187988	11.782	205331	11.782	92	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0H2624
Instrument: QVOA9
Calibration: YH00024

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (Y0H2624-SCV1)			Lab File ID: QV913284.D			Analyzed: 08/26/20 07:26			
ISTD: Fluorobenzene	202793	5.749	204890	5.749	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	736215	8.792	744432	8.792	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	204573	11.779	205331	11.782	100	50 - 200	-0.0030	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044
Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0I0440 Instrument: QVOA4
Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I0440-CCV1)			Lab File ID: QV413999.D			Analyzed: 09/04/20 03:48			
ISTD: Fluorobenzene	419714	4.88				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	1526006	7.843				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	746914	10.79				50 - 200		+/-0.17	
LCS (BI00280-BS1)			Lab File ID: QV414001.D			Analyzed: 09/04/20 04:40			
ISTD: Fluorobenzene	427394	4.88	419714	4.88	102	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1567130	7.843	1526006	7.843	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	765930	10.792	746914	10.79	103	50 - 200	0.0020	+/-0.17	
Blank (BI00280-BLK1)			Lab File ID: QV414002.D			Analyzed: 09/04/20 05:07			
ISTD: Fluorobenzene	399522	4.877	419714	4.88	95	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1467669	7.846	1526006	7.843	96	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	635991	10.789	746914	10.79	85	50 - 200	-0.0010	+/-0.17	
Blank (BI00280-BLK2)			Lab File ID: QV414003.D			Analyzed: 09/04/20 05:33			
ISTD: Fluorobenzene	415342	4.88	419714	4.88	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1533673	7.843	1526006	7.843	101	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	677123	10.792	746914	10.79	91	50 - 200	0.0020	+/-0.17	
GB-16B (12-14) (20I0044-01)			Lab File ID: QV414010.D			Analyzed: 09/04/20 08:37			
ISTD: Fluorobenzene	504648	4.88	419714	4.88	120	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1864020	7.843	1526006	7.843	122	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	838071	10.792	746914	10.79	112	50 - 200	0.0020	+/-0.17	
LCS Dup (BI00280-BSD1)			Lab File ID: QV414024.D			Analyzed: 09/04/20 14:45			
ISTD: Fluorobenzene	426254	4.877	419714	4.88	102	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1599980	7.846	1526006	7.843	105	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	767105	10.79	746914	10.79	103	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044
Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Sequence: Y0I0443 Instrument: QVOA9
Calibration: YH00024

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I0443-CCV1)			Lab File ID: QV913531.D			Analyzed: 09/03/20 10:40			
ISTD: Fluorobenzene	141331	5.746				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	496267	8.789				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	138289	11.779				50 - 200		+/-0.17	
Blank (BI00313-BLK1)			Lab File ID: QV913535.D			Analyzed: 09/03/20 12:43			
ISTD: Fluorobenzene	141599	5.749	141331	5.746	100	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	497509	8.789	496267	8.789	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	133721	11.779	138289	11.779	97	50 - 200	0.0000	+/-0.17	
LCS (BI00313-BS1)			Lab File ID: QV913536.D			Analyzed: 09/03/20 14:00			
ISTD: Fluorobenzene	142242	5.746	141331	5.746	101	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	481039	8.792	496267	8.789	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	121450	11.779	138289	11.779	88	50 - 200	0.0000	+/-0.17	
LCS Dup (BI00313-BSD1)			Lab File ID: QV913537.D			Analyzed: 09/03/20 14:26			
ISTD: Fluorobenzene	141297	5.746	141331	5.746	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	512396	8.789	496267	8.789	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	146805	11.782	138289	11.779	106	50 - 200	0.0030	+/-0.17	
TB-1 (20I0044-04)			Lab File ID: QV913541.D			Analyzed: 09/03/20 16:26			
ISTD: Fluorobenzene	137617	5.744	141331	5.746	97	50 - 200	-0.0020	+/-0.17	
ISTD: Chlorobenzene-d5	491538	8.792	496267	8.789	99	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	129728	11.782	138289	11.779	94	50 - 200	0.0030	+/-0.17	
FB-2 (20I0044-03)			Lab File ID: QV913545.D			Analyzed: 09/03/20 18:09			
ISTD: Fluorobenzene	132351	5.744	141331	5.746	94	50 - 200	-0.0020	+/-0.17	
ISTD: Chlorobenzene-d5	468889	8.792	496267	8.789	94	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	129634	11.779	138289	11.779	94	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Sequence: Y0I0840 Instrument: QVOA9

Calibration: YH00024

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I0840-CCV1)			Lab File ID: QV913557.D			Analyzed: 09/03/20 23:16			
ISTD: Fluorobenzene	183682	5.746				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	660135	8.792				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	183311	11.782				50 - 200		+/-0.17	
LCS (BI00364-BS1)			Lab File ID: QV913558.D			Analyzed: 09/03/20 23:42			
ISTD: Fluorobenzene	180928	5.746	183682	5.746	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	641623	8.792	660135	8.792	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	175530	11.782	183311	11.782	96	50 - 200	0.0000	+/-0.17	
LCS Dup (BI00364-BSD1)			Lab File ID: QV913559.D			Analyzed: 09/04/20 00:07			
ISTD: Fluorobenzene	186456	5.746	183682	5.746	102	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	658346	8.792	660135	8.792	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	181743	11.782	183311	11.782	99	50 - 200	0.0000	+/-0.17	
Blank (BI00364-BLK1)			Lab File ID: QV913561.D			Analyzed: 09/04/20 00:58			
ISTD: Fluorobenzene	186495	5.746	183682	5.746	102	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	652508	8.792	660135	8.792	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	176289	11.782	183311	11.782	96	50 - 200	0.0000	+/-0.17	
FB-1 (20I0044-02)			Lab File ID: QV913563.D			Analyzed: 09/04/20 01:50			
ISTD: Fluorobenzene	174995	5.746	183682	5.746	95	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	639447	8.792	660135	8.792	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	181456	11.779	183311	11.782	99	50 - 200	-0.0030	+/-0.17	

HOLDING TIME SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GB-16B (12-14)	08/31/20 15:30	09/01/20 16:56	09/02/20 06:59	1.65	14.00	09/04/20 08:37	3.71	14.00	
FB-1	08/31/20 14:00	09/01/20 16:56	09/02/20 06:45	1.70	14.00	09/04/20 01:50	3.49	14.00	
FB-2	09/01/20 10:00	09/01/20 16:56	09/03/20 10:54	2.04	14.00	09/03/20 18:09	2.34	14.00	
TB-1	09/01/20 15:00	09/01/20 16:56	09/03/20 10:54	1.83	14.00	09/03/20 16:26	2.06	14.00	

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyd

Matrix: Soil **Instrument:** QVOA4

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	2.5	5.0	ug/kg
1,1,1-Trichloroethane	2.5	5.0	ug/kg
1,1,2,2-Tetrachloroethane	2.5	5.0	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.5	5.0	ug/kg
1,1,2-Trichloroethane	2.5	5.0	ug/kg
1,1-Dichloroethane	2.5	5.0	ug/kg
1,1-Dichloroethylene	2.5	5.0	ug/kg
1,2,3-Trichlorobenzene	2.5	5.0	ug/kg
1,2,3-Trichloropropane	2.5	5.0	ug/kg
1,2,4-Trichlorobenzene	2.5	5.0	ug/kg
1,2,4-Trimethylbenzene	2.5	5.0	ug/kg
1,2-Dibromo-3-chloropropane	2.5	5.0	ug/kg
1,2-Dibromoethane	2.5	5.0	ug/kg
1,2-Dichlorobenzene	2.5	5.0	ug/kg
1,2-Dichloroethane	2.5	5.0	ug/kg
1,2-Dichloropropane	2.5	5.0	ug/kg
1,3,5-Trimethylbenzene	2.5	5.0	ug/kg
1,3-Dichlorobenzene	2.5	5.0	ug/kg
1,4-Dichlorobenzene	2.5	5.0	ug/kg
1,4-Dioxane	50	100	ug/kg
2-Butanone	2.5	5.0	ug/kg
2-Hexanone	2.5	5.0	ug/kg
4-Methyl-2-pentanone	2.5	5.0	ug/kg
Acetone	5.0	10	ug/kg
Acrolein	5.0	10	ug/kg
Acrylonitrile	2.5	5.0	ug/kg
Benzene	2.5	5.0	ug/kg
Bromochloromethane	2.5	5.0	ug/kg
Bromodichloromethane	2.5	5.0	ug/kg
Bromoform	2.5	5.0	ug/kg
Bromomethane	2.5	5.0	ug/kg
Carbon disulfide	2.5	5.0	ug/kg
Carbon tetrachloride	2.5	5.0	ug/kg
Chlorobenzene	2.5	5.0	ug/kg
Chloroethane	2.5	5.0	ug/kg
Chloroform	2.5	5.0	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyd

Matrix: Soil **Instrument:** QVOA4

Analyte	LOD	LOQ	Units
Chloromethane	2.5	5.0	ug/kg
cis-1,2-Dichloroethylene	2.5	5.0	ug/kg
cis-1,3-Dichloropropylene	2.5	5.0	ug/kg
Cyclohexane	2.5	5.0	ug/kg
Dibromochloromethane	2.5	5.0	ug/kg
Dibromomethane	2.5	5.0	ug/kg
Dichlorodifluoromethane	2.5	5.0	ug/kg
Ethyl Benzene	2.5	5.0	ug/kg
Hexachlorobutadiene	2.5	5.0	ug/kg
Isopropylbenzene	2.5	5.0	ug/kg
Methyl acetate	2.5	5.0	ug/kg
Methyl tert-butyl ether (MTBE)	2.5	5.0	ug/kg
Methylcyclohexane	2.5	5.0	ug/kg
Methylene chloride	5.0	10	ug/kg
n-Butylbenzene	2.5	5.0	ug/kg
n-Propylbenzene	2.5	5.0	ug/kg
o-Xylene	2.5	5.0	ug/kg
p- & m- Xylenes	5.0	10	ug/kg
p-Isopropyltoluene	2.5	5.0	ug/kg
sec-Butylbenzene	2.5	5.0	ug/kg
Styrene	2.5	5.0	ug/kg
tert-Butyl alcohol (TBA)	2.5	5.0	ug/kg
tert-Butylbenzene	2.5	5.0	ug/kg
Tetrachloroethylene	2.5	5.0	ug/kg
Toluene	2.5	5.0	ug/kg
trans-1,2-Dichloroethylene	2.5	5.0	ug/kg
trans-1,3-Dichloropropylene	2.5	5.0	ug/kg
trans-1,4-dichloro-2-butene	2.5	5.0	ug/kg
Trichloroethylene	2.5	5.0	ug/kg
Trichlorofluoromethane	2.5	5.0	ug/kg
Vinyl Chloride	2.5	5.0	ug/kg
Xylenes, Total	7.5	15	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyd

Matrix: Water **Instrument:** QVOA9

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,1-Trichloroethane	0.20	0.50	ug/L
1,1,2,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.20	0.50	ug/L
1,1,2-Trichloroethane	0.20	0.50	ug/L
1,1-Dichloroethane	0.20	0.50	ug/L
1,1-Dichloroethylene	0.20	0.50	ug/L
1,2,3-Trichlorobenzene	0.20	0.50	ug/L
1,2,3-Trichloropropane	0.20	0.50	ug/L
1,2,4-Trichlorobenzene	0.20	0.50	ug/L
1,2,4-Trimethylbenzene	0.20	0.50	ug/L
1,2-Dibromo-3-chloropropane	0.20	0.50	ug/L
1,2-Dibromoethane	0.20	0.50	ug/L
1,2-Dichlorobenzene	0.20	0.50	ug/L
1,2-Dichloroethane	0.20	0.50	ug/L
1,2-Dichloropropane	0.20	0.50	ug/L
1,3,5-Trimethylbenzene	0.20	0.50	ug/L
1,3-Dichlorobenzene	0.20	0.50	ug/L
1,4-Dichlorobenzene	0.20	0.50	ug/L
1,4-Dioxane	40	40	ug/L
2-Butanone	0.20	0.50	ug/L
2-Hexanone	0.20	0.50	ug/L
4-Methyl-2-pentanone	0.20	0.50	ug/L
Acetone	1.0	2.0	ug/L
Acrolein	0.20	0.50	ug/L
Acrylonitrile	0.20	0.50	ug/L
Benzene	0.20	0.50	ug/L
Bromochloromethane	0.20	0.50	ug/L
Bromodichloromethane	0.20	0.50	ug/L
Bromoform	0.20	0.50	ug/L
Bromomethane	0.20	0.50	ug/L
Carbon disulfide	0.20	0.50	ug/L
Carbon tetrachloride	0.20	0.50	ug/L
Chlorobenzene	0.20	0.50	ug/L
Chloroethane	0.20	0.50	ug/L
Chloroform	0.20	0.50	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyd

Matrix: Water **Instrument:** QVOA9

Analyte	LOD	LOQ	Units
Chloromethane	0.20	0.50	ug/L
cis-1,2-Dichloroethylene	0.20	0.50	ug/L
cis-1,3-Dichloropropylene	0.20	0.50	ug/L
Cyclohexane	0.20	0.50	ug/L
Dibromochloromethane	0.20	0.50	ug/L
Dibromomethane	0.20	0.50	ug/L
Dichlorodifluoromethane	0.20	0.50	ug/L
Ethyl Benzene	0.20	0.50	ug/L
Hexachlorobutadiene	0.20	0.50	ug/L
Isopropylbenzene	0.20	0.50	ug/L
Methyl acetate	0.20	0.50	ug/L
Methyl tert-butyl ether (MTBE)	0.20	0.50	ug/L
Methylcyclohexane	0.20	0.50	ug/L
Methylene chloride	1.0	2.0	ug/L
n-Butylbenzene	0.20	0.50	ug/L
n-Propylbenzene	0.20	0.50	ug/L
o-Xylene	0.20	0.50	ug/L
p- & m- Xylenes	0.50	1.0	ug/L
p-Isopropyltoluene	0.20	0.50	ug/L
sec-Butylbenzene	0.20	0.50	ug/L
Styrene	0.20	0.50	ug/L
tert-Butyl alcohol (TBA)	0.50	1.0	ug/L
tert-Butylbenzene	0.20	0.50	ug/L
Tetrachloroethylene	0.20	0.50	ug/L
Toluene	0.20	0.50	ug/L
trans-1,2-Dichloroethylene	0.20	0.50	ug/L
trans-1,3-Dichloropropylene	0.20	0.50	ug/L
trans-1,4-dichloro-2-butene	0.20	0.50	ug/L
Trichloroethylene	0.20	0.50	ug/L
Trichlorofluoromethane	0.20	0.50	ug/L
Vinyl Chloride	0.20	0.50	ug/L
Xylenes, Total	0.60	1.5	ug/L

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

GB-16B (12-14)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Matrix: Soil Laboratory ID: 20I0044-01 File ID: QV414010.D

Sampled: 08/31/20 15:30 Prepared: 09/02/20 06:59 Analyzed: 09/04/20 08:37

Solids: 96.39 Preparation: EPA 5035A Initial/Final: 9.75 g / 5 ml

Batch: BI00280 Sequence: Y0I0440 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	2.7	U
71-55-6	1,1,1-Trichloroethane	1	2.7	U
79-34-5	1,1,2,2-Tetrachloroethane	1	2.7	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	2.7	U
79-00-5	1,1,2-Trichloroethane	1	2.7	U
75-34-3	1,1-Dichloroethane	1	2.7	U
75-35-4	1,1-Dichloroethylene	1	2.7	U
87-61-6	1,2,3-Trichlorobenzene	1	2.7	U
96-18-4	1,2,3-Trichloropropane	1	2.7	U
120-82-1	1,2,4-Trichlorobenzene	1	2.7	U
95-63-6	1,2,4-Trimethylbenzene	1	2.7	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.7	U
106-93-4	1,2-Dibromoethane	1	2.7	U
95-50-1	1,2-Dichlorobenzene	1	2.7	U
107-06-2	1,2-Dichloroethane	1	2.7	U
78-87-5	1,2-Dichloropropane	1	2.7	U
108-67-8	1,3,5-Trimethylbenzene	1	2.7	U
541-73-1	1,3-Dichlorobenzene	1	2.7	U
106-46-7	1,4-Dichlorobenzene	1	2.7	U
123-91-1	1,4-Dioxane	1	53	U
78-93-3	2-Butanone	1	2.7	U
591-78-6	2-Hexanone	1	2.7	U
108-10-1	4-Methyl-2-pentanone	1	2.7	U
67-64-1	Acetone	1	5.3	U
107-02-8	Acrolein	1	5.3	U
107-13-1	Acrylonitrile	1	2.7	U
71-43-2	Benzene	1	2.7	U
74-97-5	Bromochloromethane	1	2.7	U
75-27-4	Bromodichloromethane	1	2.7	U
75-25-2	Bromoform	1	2.7	U
74-83-9	Bromomethane	1	2.7	U
75-15-0	Carbon disulfide	1	2.7	U
56-23-5	Carbon tetrachloride	1	2.7	U
108-90-7	Chlorobenzene	1	2.7	U
75-00-3	Chloroethane	1	2.7	U
67-66-3	Chloroform	1	2.7	U
74-87-3	Chloromethane	1	2.7	U
156-59-2	cis-1,2-Dichloroethylene	1	2.7	U
10061-01-5	cis-1,3-Dichloropropylene	1	2.7	U
110-82-7	Cyclohexane	1	2.7	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-16B (12-14)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Matrix: Soil Laboratory ID: 20I0044-01 File ID: QV414010.D

Sampled: 08/31/20 15:30 Prepared: 09/02/20 06:59 Analyzed: 09/04/20 08:37

Solids: 96.39 Preparation: EPA 5035A Initial/Final: 9.75 g / 5 ml

Batch: BI00280 Sequence: Y0I0440 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	2.7	U
74-95-3	Dibromomethane	1	2.7	U
75-71-8	Dichlorodifluoromethane	1	2.7	U
100-41-4	Ethyl Benzene	1	2.7	U
87-68-3	Hexachlorobutadiene	1	2.7	U
98-82-8	Isopropylbenzene	1	2.7	U
79-20-9	Methyl acetate	1	2.7	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	2.7	U
108-87-2	Methylcyclohexane	1	2.7	U
75-09-2	Methylene chloride	1	5.3	U
104-51-8	n-Butylbenzene	1	2.7	U
103-65-1	n-Propylbenzene	1	2.7	U
95-47-6	o-Xylene	1	2.7	U
179601-23-1	p- & m- Xylenes	1	5.3	U
99-87-6	p-Isopropyltoluene	1	2.7	U
135-98-8	sec-Butylbenzene	1	2.7	U
100-42-5	Styrene	1	2.7	U
75-65-0	tert-Butyl alcohol (TBA)	1	2.7	U
98-06-6	tert-Butylbenzene	1	2.7	U
127-18-4	Tetrachloroethylene	1	3.4	
108-88-3	Toluene	1	2.7	U
156-60-5	trans-1,2-Dichloroethylene	1	2.7	U
10061-02-6	trans-1,3-Dichloropropylene	1	2.7	U
110-57-6	trans-1,4-dichloro-2-butene	1	2.7	U
79-01-6	Trichloroethylene	1	2.7	U
75-69-4	Trichlorofluoromethane	1	2.7	U
75-01-4	Vinyl Chloride	1	2.7	U
1330-20-7	Xylenes, Total	1	8.0	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.3	103	77 - 125	
SURR: Toluene-d8	50.0	49.5	99.0	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.2	104	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	504648	4.88	419714	4.88	
ISTD: Chlorobenzene-d5	1864020	7.843	1526006	7.843	
ISTD: 1,2-Dichlorobenzene-d4	838071	10.792	746914	10.79	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414010.D
Acq On : 4 Sep 2020 8:37 am
Operator : TMP
Sample : 20I0044-01
Misc : QBQV4090320B 8260 COMP B 9.75G
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 04 10:03:22 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

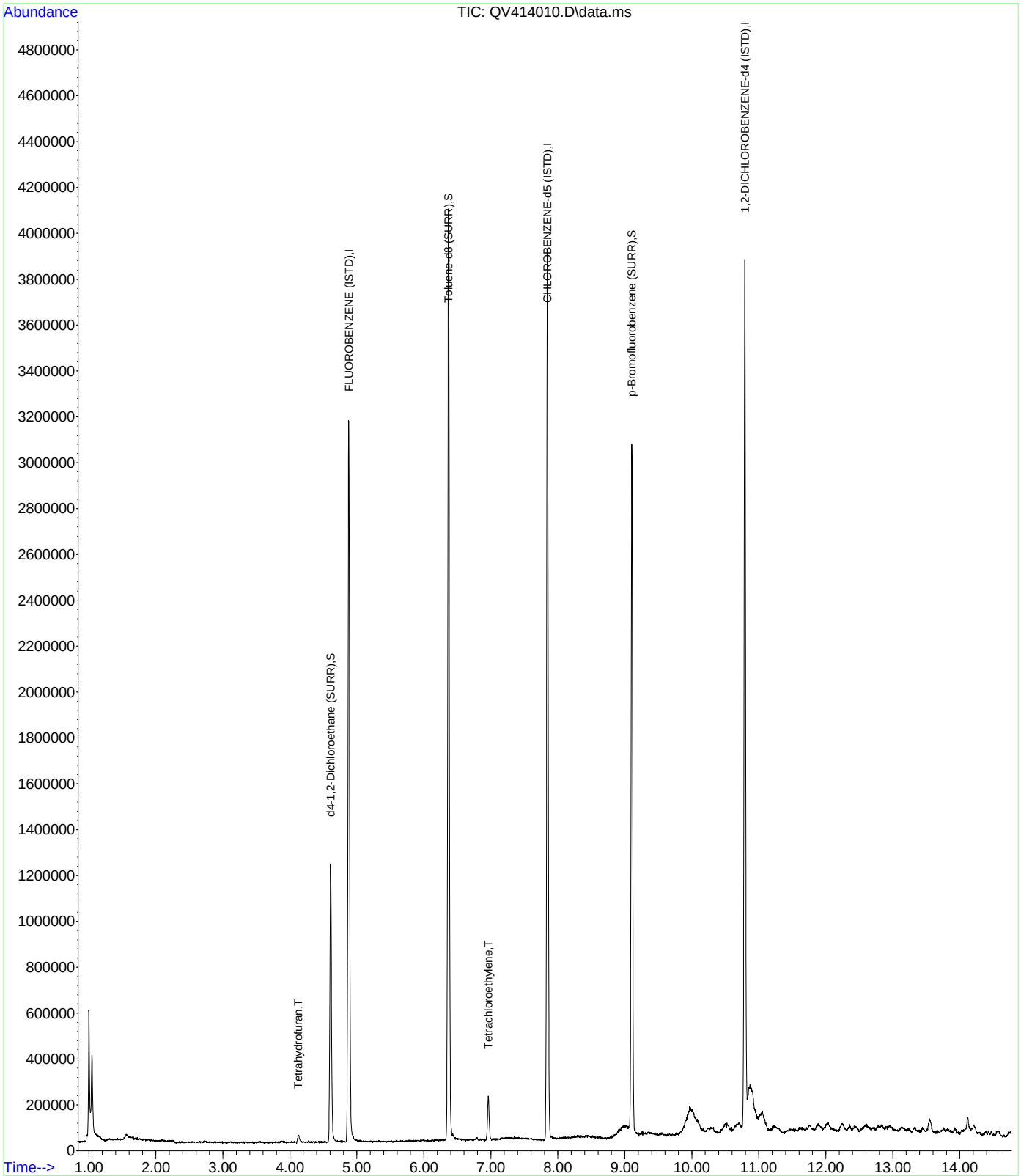
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.880	70	504648	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1864020	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	838071	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	808447	51.29	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 102.58%			
54) Toluene-d8 (SURR)	6.366	98	2471122	49.50	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.00%			
73) p-Bromofluorobenzene (...	9.103	95	1018124	52.22	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 104.44%			
Target Compounds						Qvalue
29) Tetrahydrofuran	4.123	42	19814	9.82	ppb	# 36
59) Tetrachloroethylene	6.961	166	47386	6.47	ppb	# 78

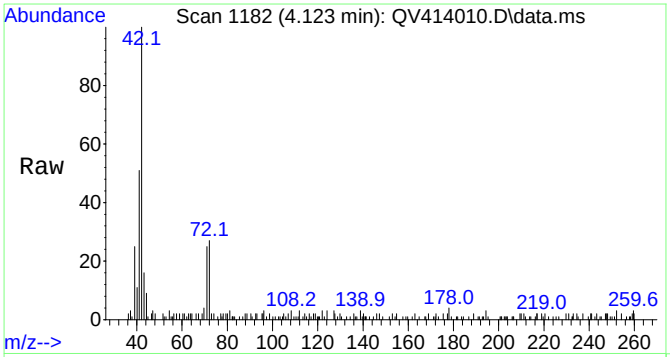
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414010.D
Acq On : 4 Sep 2020 8:37 am
Operator : TMP
Sample : 20I0044-01
Misc : QBQV4090320B 8260 COMP B 9.75G
ALS Vial : 44 Sample Multiplier: 1

Quant Time: Sep 04 10:03:22 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

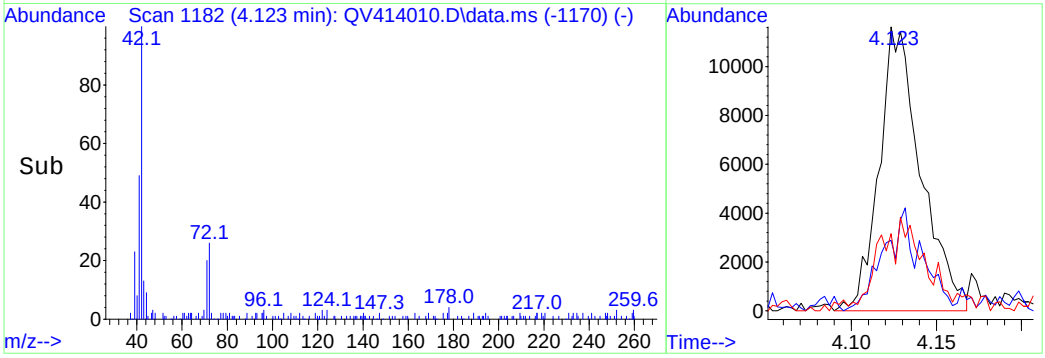


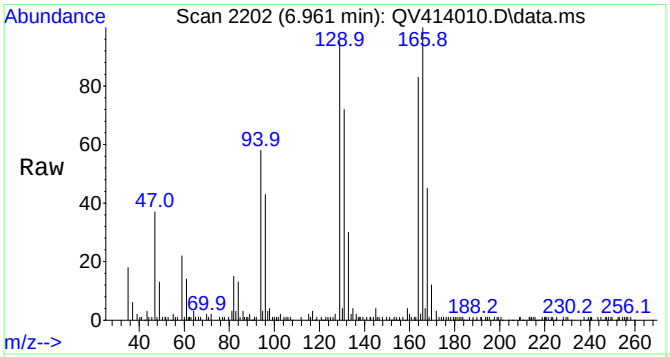


#29
Tetrahydrofuran
Concen: 9.82 ppb
RT: 4.123 min Scan# 1182
Delta R.T. 0.005 min
Lab File: QV414010.D
Acq: 4 Sep 2020 8:37 am

Tgt Ion: 42 Resp: 19814

Ion	Ratio	Lower	Upper
42	100		
71	0.0	25.4	59.4#
72	8.7	31.9	74.5#

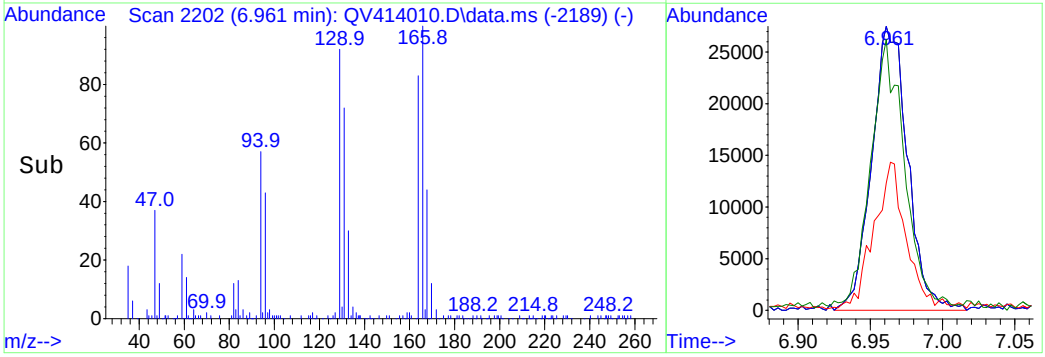




#59
Tetrachloroethylene
Concen: 6.47 ppb
RT: 6.961 min Scan# 2202
Delta R.T. 0.000 min
Lab File: QV414010.D
Acq: 4 Sep 2020 8:37 am

Tgt Ion:166 Resp: 47386

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	0.0	30.2	62.6#
129	87.6	45.8	95.2



FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

FB-1

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Matrix: Water Laboratory ID: 20I0044-02 File ID: QV913563.D

Sampled: 08/31/20 14:00 Prepared: 09/02/20 06:45 Analyzed: 09/04/20 01:50

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00364 Sequence: Y0I0840 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	48	
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

FB-1

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Matrix: Water Laboratory ID: 20I0044-02 File ID: QV913563.D

Sampled: 08/31/20 14:00 Prepared: 09/02/20 06:45 Analyzed: 09/04/20 01:50

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00364 Sequence: Y0I0840 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	8.0	
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.0	110	69 - 130	
SURR: Toluene-d8	10.0	9.87	98.7	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.36	93.6	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	174995	5.746	183682	5.746	
ISTD: Chlorobenzene-d5	639447	8.792	660135	8.792	
ISTD: 1,2-Dichlorobenzene-d4	181456	11.779	183311	11.782	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913563.D
Acq On : 4 Sep 2020 1:50 am
Operator : TMP
Sample : 20I0044-02
Misc : QBQV9090320B 8260 B
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 08 15:40:29 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

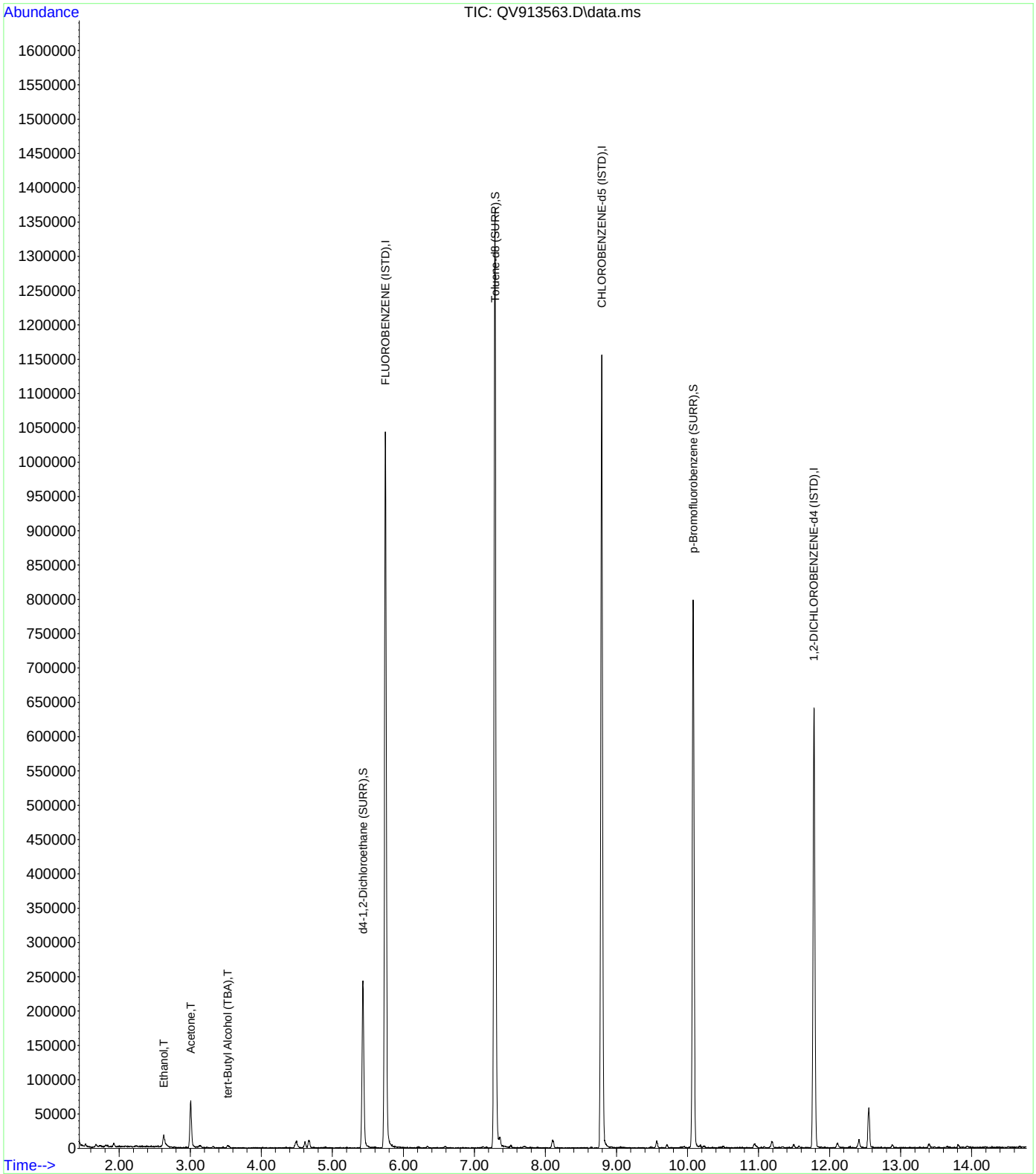
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.746	70	174995	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	639447	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	181456	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.430	65	172060	11.00	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 110.00%			
51) Toluene-d8 (SURR)	7.289	98	890559	9.87	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 98.70%			
70) p-Bromofluorobenzene (...	10.079	95	299886	9.36	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 93.60%			
Target Compounds						Qvalue
8) Ethanol	2.628	45	19622	537.82	ppb	# 1
12) Acetone	3.009	43	76920	48.19	ppb	# 1
16) tert-Butyl Alcohol (TBA)	3.523	59	4628	8.01	ppb	# 1

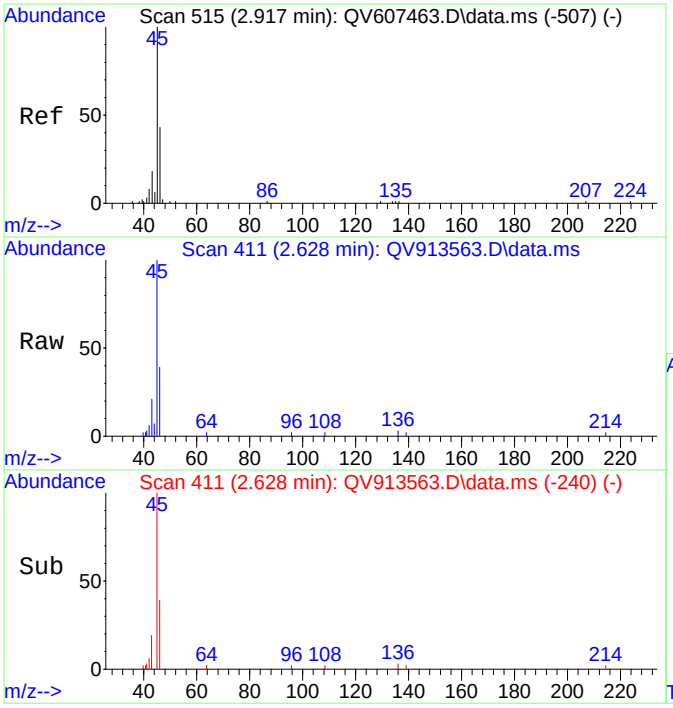
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913563.D
Acq On : 4 Sep 2020 1:50 am
Operator : TMP
Sample : 20I0044-02
Misc : QBQV9090320B 8260 B
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 08 15:40:29 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

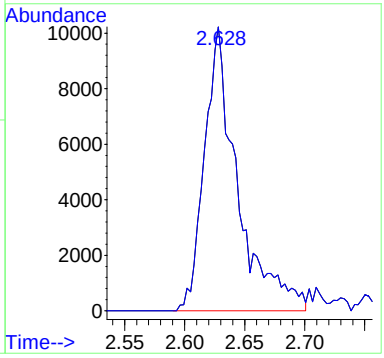


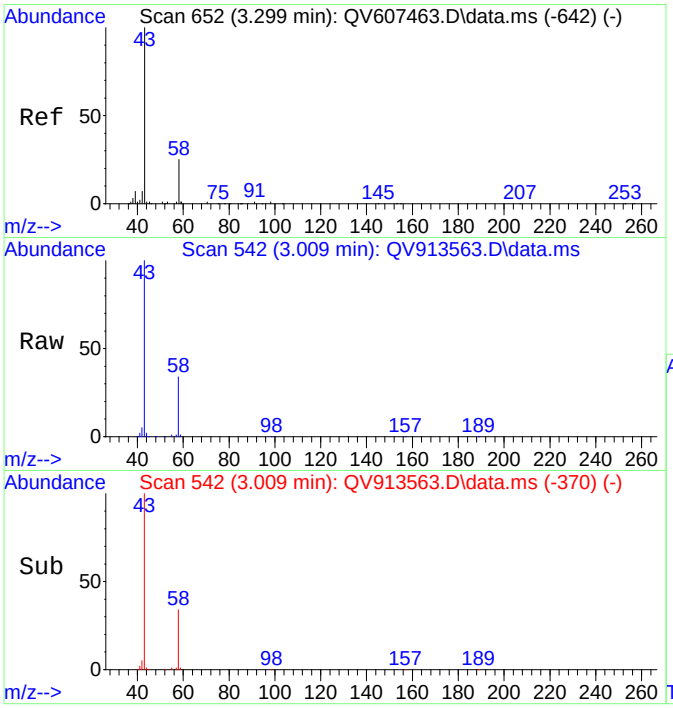


#8
Ethanol
Concen: 537.82 ppb
RT: 2.628 min Scan# 411
Delta R.T. -0.003 min
Lab File: QV913563.D
Acq: 4 Sep 2020 1:50 am

Tgt Ion: 45 Resp: 19622

Ion	Ratio	Lower	Upper
45	100		
45	100.0	9.6	28.8#

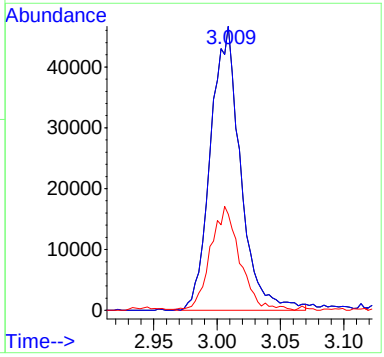


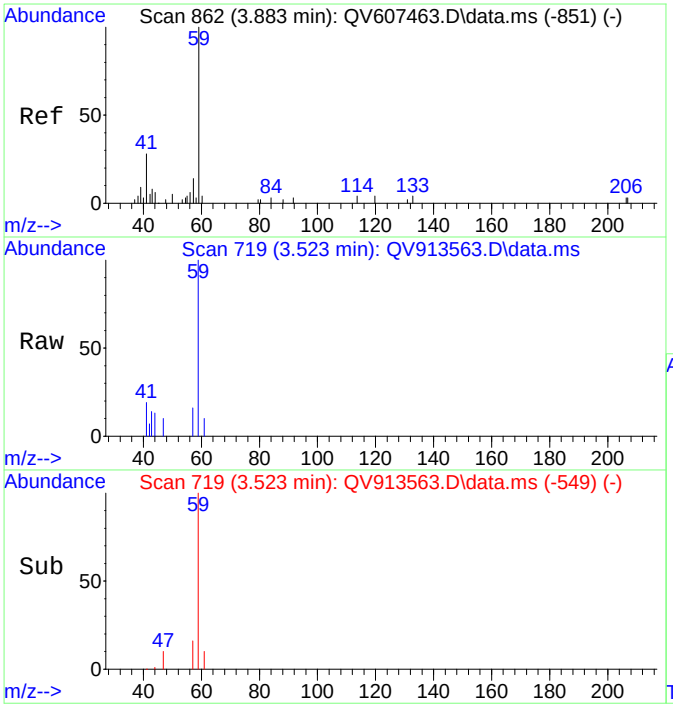


#12
Acetone
Concen: 48.19 ppb
RT: 3.009 min Scan# 542
Delta R.T. -0.000 min
Lab File: QV913563.D
Acq: 4 Sep 2020 1:50 am

Tgt Ion: 43 Resp: 76920

Ion	Ratio	Lower	Upper
43	100		
43	100.0	2.8	4.2#
58	36.0	0.4	1.1#

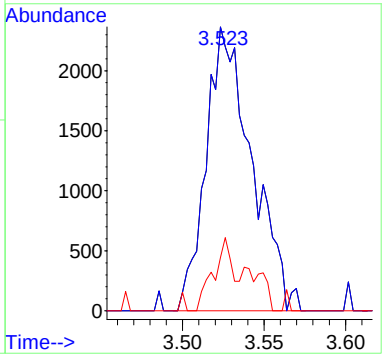




#16
tert-Butyl Alcohol (TBA)
Concen: 8.01 ppb
RT: 3.523 min Scan# 719
Delta R.T. -0.006 min
Lab File: QV913563.D
Acq: 4 Sep 2020 1:50 am

Tgt Ion: 59 Resp: 4628

Ion	Ratio	Lower	Upper
59	100		
59	100.0	9.4	19.6#
41	11.2	0.0	0.0#



FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

FB-2

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	20I0044-03	File ID:	QV913545.D
Sampled:	09/01/20 10:00	Prepared:	09/03/20 10:54	Analyzed:	09/03/20 18:09
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BI00313	Sequence:	Y0I0443	Calibration:	YH00024
Instrument:	QVOA9				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	4.0	
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	51	
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

FB-2

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Matrix: Water Laboratory ID: 20I0044-03 File ID: QV913545.D

Sampled: 09/01/20 10:00 Prepared: 09/03/20 10:54 Analyzed: 09/03/20 18:09

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00313 Sequence: Y0I0443 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.58	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.8	118	69 - 130	
SURR: Toluene-d8	10.0	9.99	99.9	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.94	99.4	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	132351	5.744	141331	5.746	
ISTD: Chlorobenzene-d5	468889	8.792	496267	8.789	
ISTD: 1,2-Dichlorobenzene-d4	129634	11.779	138289	11.779	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913545.D
Acq On : 3 Sep 2020 6:09 pm
Operator : TMP
Sample : 20I0044-03
Misc : QBQV9090320A 8260 COMP B
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 09 11:56:44 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

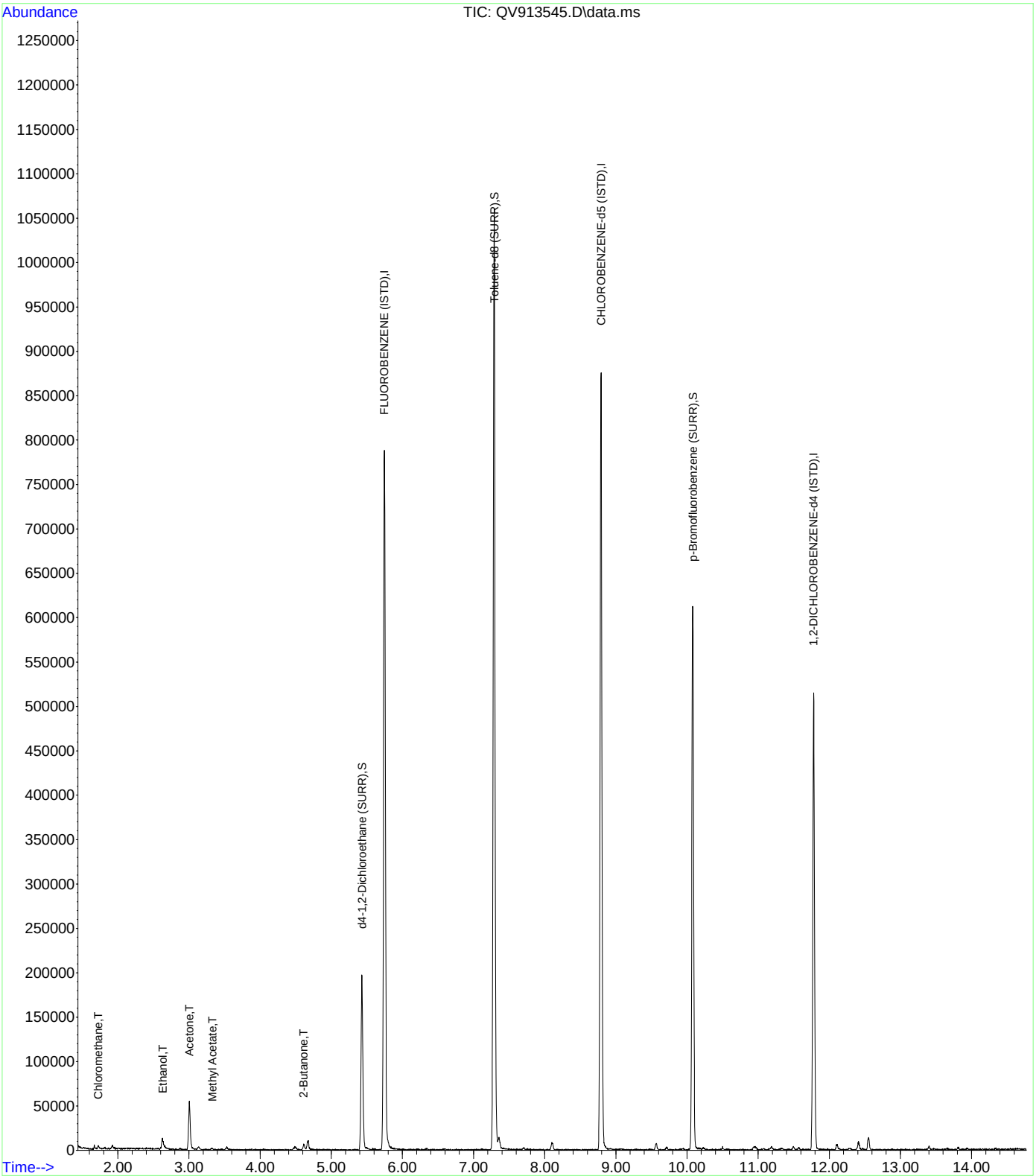
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.744	70	132351	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	468889	10.00	ppb	# 0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	129634	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.430	65	139524	11.79	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 117.90%			
51) Toluene-d8 (SURR)	7.290	98	660658	9.99	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 99.90%			
70) p-Bromofluorobenzene (...	10.082	95	227380	9.94	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 99.40%			
Target Compounds						Qvalue
3) Chloromethane	1.722	50	2791	0.18	ppb	# 70
8) Ethanol	2.631	45	12434	450.61	ppb	# 1
12) Acetone	3.003	43	61453	50.91	ppb	# 1
14) Methyl Acetate	3.326	43	1603m	0.58	ppb	
26) 2-Butanone	4.610	72	1505	3.99	ppb	# 1

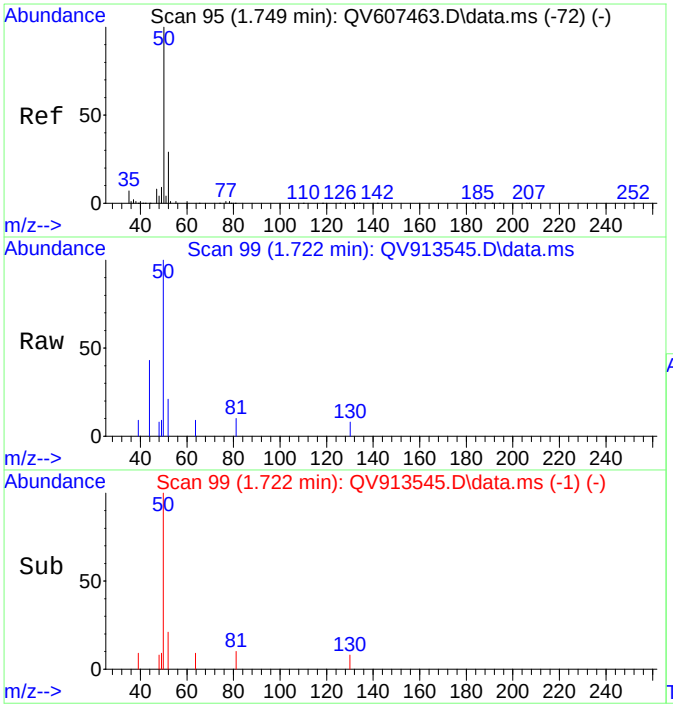
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913545.D
Acq On : 3 Sep 2020 6:09 pm
Operator : TMP
Sample : 20I0044-03
Misc : QBQV9090320A 8260 COMP B
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Sep 09 11:56:44 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

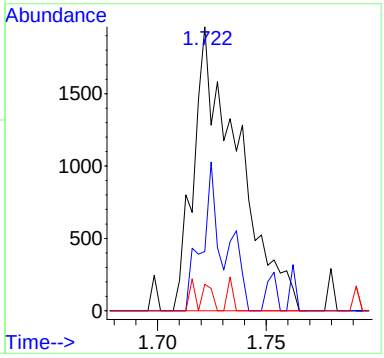


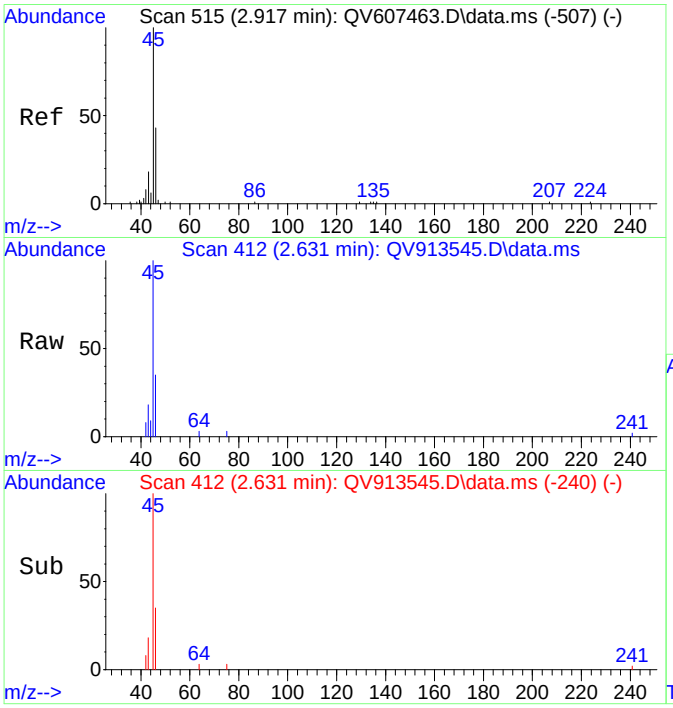


#3
Chloromethane
Concen: 0.18 ppb
RT: 1.722 min Scan# 99
Delta R.T. -0.005 min
Lab File: QV913545.D
Acq: 3 Sep 2020 6:09 pm

Tgt Ion: 50 Resp: 2791

Ion	Ratio	Lower	Upper
50	100		
52	18.6	24.3	50.5#
49	2.1	8.3	17.3#

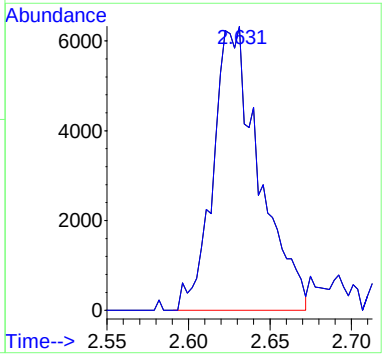


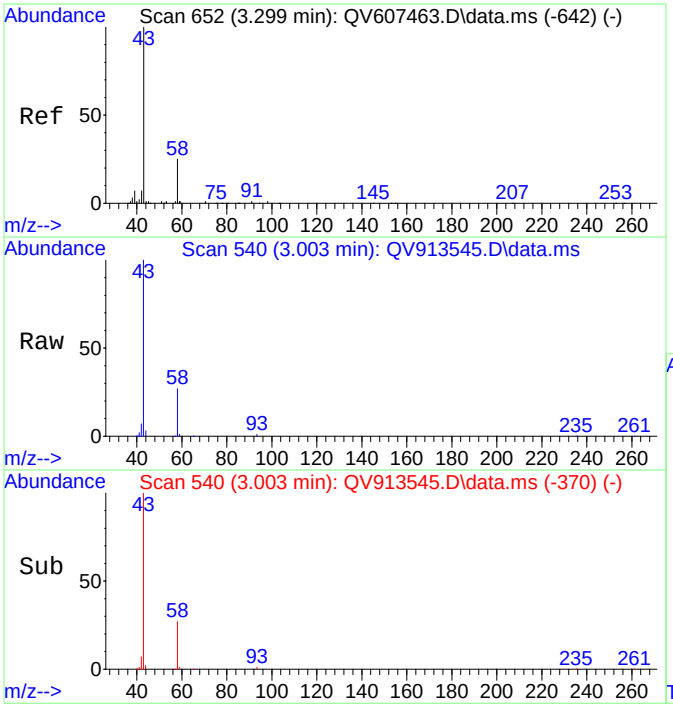


#8
Ethanol
Concen: 450.61 ppb
RT: 2.631 min Scan# 412
Delta R.T. 0.000 min
Lab File: QV913545.D
Acq: 3 Sep 2020 6:09 pm

Tgt Ion: 45 Resp: 12434

Ion	Ratio	Lower	Upper
45	100		
45	100.0	9.6	28.8#

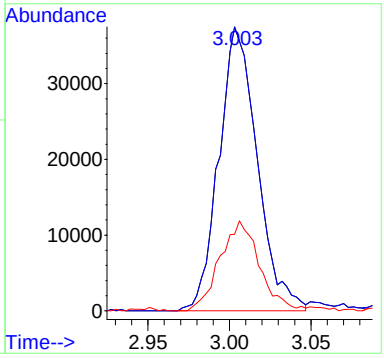


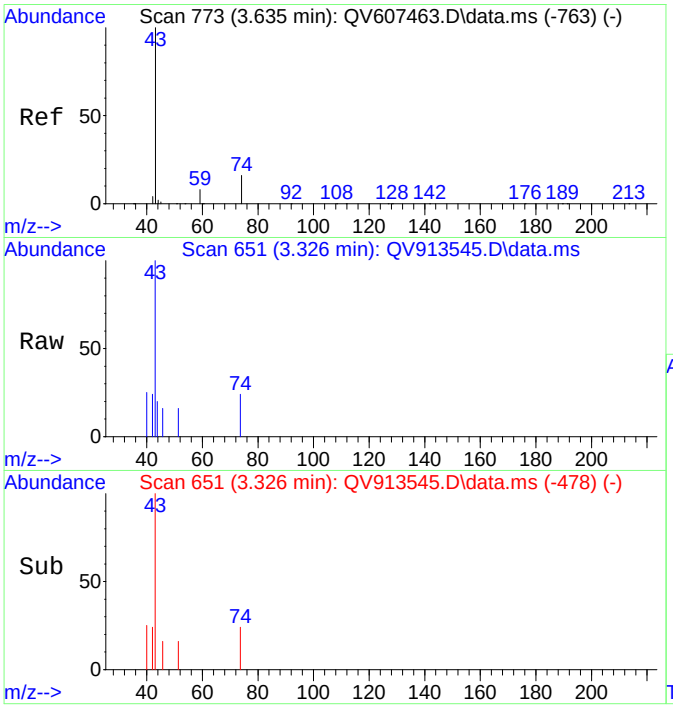


#12
Acetone
Concen: 50.91 ppb
RT: 3.003 min Scan# 540
Delta R.T. -0.006 min
Lab File: QV913545.D
Acq: 3 Sep 2020 6:09 pm

Tgt Ion: 43 Resp: 61453

Ion	Ratio	Lower	Upper
43	100		
43	100.0	2.8	4.2#
58	32.3	0.4	1.1#

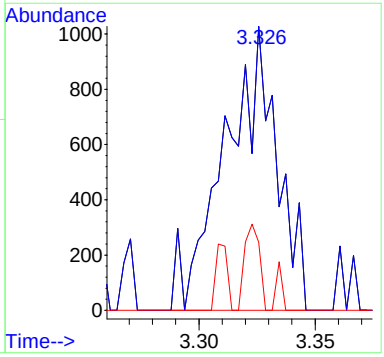


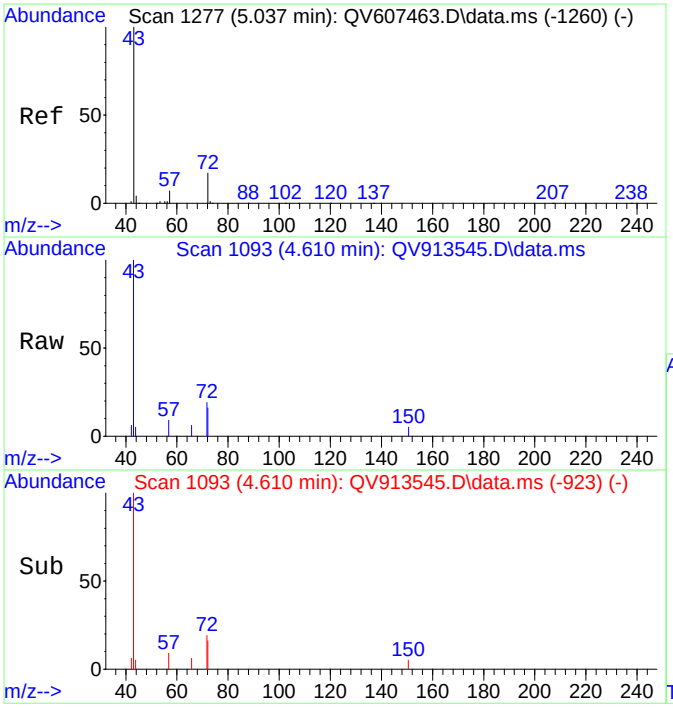


#14
Methyl Acetate
Concen: 0.58 ppb m
RT: 3.326 min Scan# 651
Delta R.T. 0.003 min
Lab File: QV913545.D
Acq: 3 Sep 2020 6:09 pm

Tgt Ion: 43 Resp: 1603

Ion	Ratio	Lower	Upper
43	100		
43	3833.6	6.1	9.1#
74	0.0	0.5	1.7#

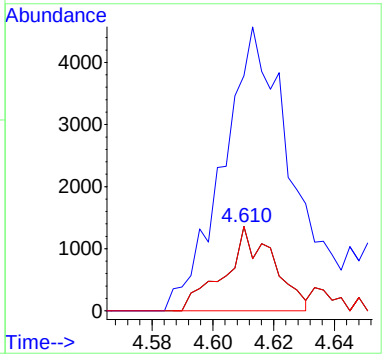




#26
2-Butanone
Concen: 3.99 ppb
RT: 4.610 min Scan# 1093
Delta R.T. -0.006 min
Lab File: QV913545.D
Acq: 3 Sep 2020 6:09 pm

Tgt Ion: 72 Resp: 1505

Ion	Ratio	Lower	Upper
72	100		
43	475.8	22.8	34.2#
72	100.0	4.2	12.6#



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

TB-1

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Matrix: Water Laboratory ID: 20I0044-04 File ID: QV913541.D

Sampled: 09/01/20 15:00 Prepared: 09/03/20 10:54 Analyzed: 09/03/20 16:26

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00313 Sequence: Y0I0443 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

TB-1

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Matrix: Water Laboratory ID: 20I0044-04 File ID: QV913541.D

Sampled: 09/01/20 15:00 Prepared: 09/03/20 10:54 Analyzed: 09/03/20 16:26

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00313 Sequence: Y0I0443 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.6	
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.7	117	69 - 130	
SURR: Toluene-d8	10.0	10.0	100	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	137617	5.744	141331	5.746	
ISTD: Chlorobenzene-d5	491538	8.792	496267	8.789	
ISTD: 1,2-Dichlorobenzene-d4	129728	11.782	138289	11.779	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913541.D
Acq On : 3 Sep 2020 4:26 pm
Operator : TMP
Sample : 20I0044-04
Misc : QBQV9090320A 8260 COMP A
ALS Vial : 12 Sample Multiplier: 1

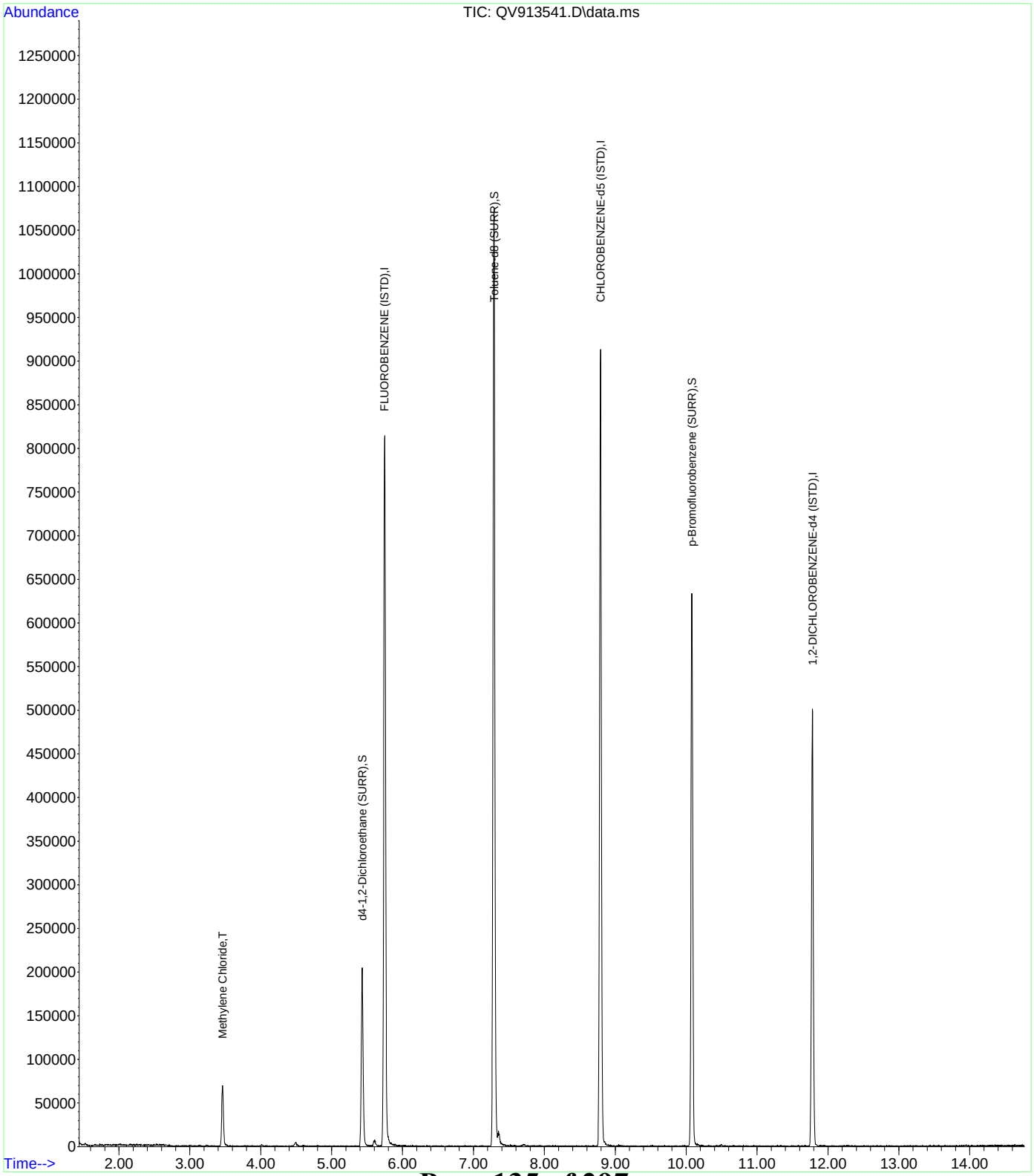
Quant Time: Sep 09 11:51:38 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

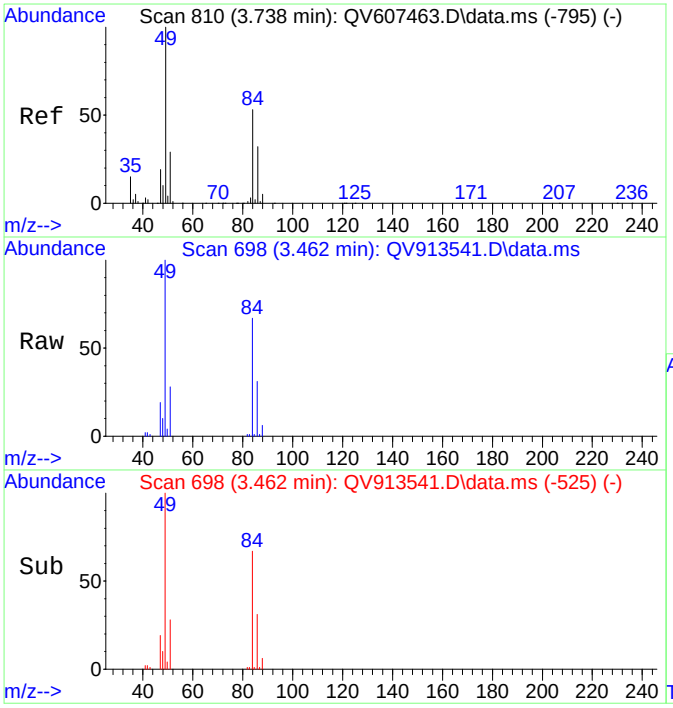
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.744	70	137617	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	491538	10.00	ppb	# 0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	129728	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.430	65	143660	11.68	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 116.80%			
51) Toluene-d8 (SURR)	7.290	98	695489	10.03	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 100.30%			
70) p-Bromofluorobenzene (...	10.079	95	230869	10.08	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 100.80%			
Target Compounds						Qvalue
17) Methylene Chloride	3.462	49	43170	2.63	ppb	88

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

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913541.D
Acq On : 3 Sep 2020 4:26 pm
Operator : TMP
Sample : 20I0044-04
Misc : QBQV9090320A 8260 COMP A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 09 11:51:38 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

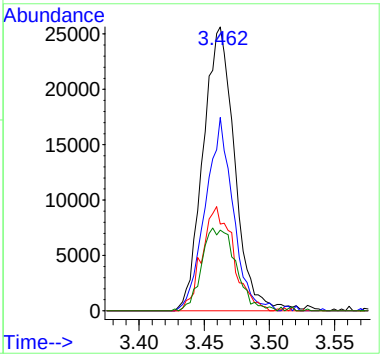




#17
Methylene Chloride
Concen: 2.63 ppb
RT: 3.462 min Scan# 698
Delta R.T. 0.003 min
Lab File: QV913541.D
Acq: 3 Sep 2020 4:26 pm

Tgt Ion: 49 Resp: 43170

Ion	Ratio	Lower	Upper
49	100		
84	59.9	30.1	62.5
86	36.3	28.6	59.4
51	31.5	20.9	43.3



FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0044

Client: Walden Associates

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Calibration: YH00003

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	5	0.1252529	10	0.1576941	20	0.1731192	50	0.1782922	100	0.2154682	200	0.2346624
1,1,1-Trichloroethane	5	1.008402	10	1.295503	20	1.430173	50	1.315429	100	1.504856	200	1.553078
1,1,2,2-Tetrachloroethane	5	0.357591	10	0.4199218	20	0.443459	50	0.4093825	100	0.4009538	200	0.3540539
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	5	0.7543719	10	0.6327126	20	0.8903644	50	0.810499	100	0.8525213	200	0.8182595
1,1,2-Trichloroethane	5	0.133169	10	0.1521238	20	0.1607469	50	0.1468412	100	0.1550715	200	0.1481565
1,1-Dichloroethane	5	1.264761	10	1.504054	20	1.595989	50	1.462591	100	1.606283	200	1.592391
1,1-Dichloroethylene	5	1.10918	10	1.31905	20	1.387507	50	1.22833	100	1.374047	200	1.328842
1,1-Dichloropropylene	5	0.9818828	10	1.152903	20	1.248124	50	1.116171	100	1.283973	200	1.270348
1,2,3-Trichlorobenzene	5	0.4262379	10	0.5275983	20	0.5373386	50	0.487835	100	0.4855137	200	0.4471691
1,2,3-Trichloropropane	5	0.1166584	10	0.1421091	20	0.1451267	50	0.1408245	100	0.1399932	200	0.1360226
1,2,4,5-Tetramethylbenzene	5	1.9485	10	1.652409	20	2.121112	50	2.148697	100	2.157335	200	2.027662
1,2,4-Trichlorobenzene	5	0.4895964	10	0.587851	20	0.623481	50	0.5554386	100	0.5746037	200	0.5356966
1,2,4-Trimethylbenzene	5	1.723202	10	2.072662	20	2.198166	50	2.061118	100	2.249607	200	2.182699
1,2-Dibromo-3-chloropropa ne	5	6.258649E-02	10	8.533517E-02	20	9.327578E-02	50	9.063323E-02	100	9.091439E-02	200	7.864813E-02
1,2-Dibromoethane	5	0.1270952	10	0.1578067	20	0.1691375	50	0.1556038	100	0.1605713	200	0.156617
1,2-Dichlorobenzene	5	0.7532385	10	0.9114092	20	0.907844	50	0.8449759	100	0.8760353	200	0.8460975
1,2-Dichloroethane	5	0.9403848	10	1.104983	20	1.188724	50	1.115103	100	1.214464	200	1.216854
1,2-Dichloropropane	5	0.1861455	10	0.2265128	20	0.2355953	50	0.2124714	100	0.2231052	200	0.2101627
1,3,5-Trimethylbenzene	5	1.665075	10	2.085793	20	2.1738	50	2.012971	100	2.122182	200	2.062637
1,3-Dichlorobenzene	5	0.7616149	10	0.9236629	20	0.9736377	50	0.9174704	100	1.014575	200	1.018623
1,3-Dichloropropane	5	0.2553927	10	0.303155	20	0.3188235	50	0.2947296	100	0.3073624	200	0.2936599
1,4-Dichlorobenzene	5	0.7969407	10	0.9419739	20	0.9650583	50	0.8775519	100	0.938032	200	0.9137161
1,4-Dioxane	100	1.333186E-03	200	1.784529E-03	400	1.478429E-03	1000	1.519126E-03	2000	1.408014E-03	4000	1.386457E-03
2,2-Dichloropropane	5	1.095402	10	1.297399	20	1.431105	50	1.329921	100	1.482621	200	1.483763
2-Butanone	5	5.716896E-02	10	5.382208E-02	20	5.409459E-02	50	5.076733E-02	100	5.328114E-02	200	5.459231E-02
2-Chlorotoluene	5	1.736049	10	2.012084	20	2.173661	50	2.006679	100	2.072599	200	1.982818
2-Hexanone	5	0.1014326	10	0.1187074	20	0.1357947	50	0.1327993	100	0.1340413	200	0.1192585
4-Chlorotoluene	5	1.607834	10	2.130116	20	2.22836	50	2.008601	100	2.102423	200	1.972909
4-Methyl-2-pentanone	5	0.1418487	10	0.1768939	20	0.1991333	50	0.1815167	100	0.184001	200	0.1663263
Acetone	5	0.3489291	10	0.3109211	20	0.2989614	50	0.2563082	100	0.26106	200	0.2154889

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0044

Client: Walden Associates

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Calibration: YH00003

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	5	6.677903E-02	10	8.695441E-02	20	0.0953168	50	7.951168E-02	100	3.769825E-02	200	4.177145E-02
Acrylonitrile	5	0.1516679	10	0.1771071	20	0.1974355	50	0.1759233	100	0.1933495	200	0.1837848
Benzene	5	2.47845	10	2.949056	20	3.175817	50	2.850897	100	3.120597	200	3.105734
Bromobenzene	5	0.7731828	10	0.9144697	20	0.9539665	50	0.8551938	100	0.8584083	200	0.7779288
Bromochloromethane	5	0.5813725	10	0.6868581	20	0.728028	50	0.6706467	100	0.7200899	200	0.6811234
Bromodichloromethane	5	0.2115191	10	0.2692906	20	0.2853668	50	0.2813659	100	0.3067053	200	0.2990897
Bromoform	5	3.995172E-02	10	5.926857E-02	20	6.843101E-02	50	7.718678E-02	100	9.220055E-02	200	9.995283E-02
Bromomethane	5	0.3503669	10	0.4167775	20	0.3193192	50	0.3574044	100	0.4289261	200	0.4438352
Carbon disulfide	5	1.680815	10	2.013337	20	2.045906	50	1.860886	100	2.267527	200	2.241964
Carbon tetrachloride	5	0.7308017	10	0.9001071	20	1.031248	50	0.9949013	100	1.212086	200	1.289812
Chlorobenzene	5	0.4597802	10	0.5698413	20	0.5858874	50	0.5423766	100	0.5971426	200	0.5986176
Chloroethane	5	0.4442653	10	0.5193547	20	0.4847529	50	0.5118538	100	0.5849816	200	0.5438104
Chloroform	5	1.224701	10	1.429128	20	1.509023	50	1.419694	100	1.522335	200	1.517405
Chloromethane	5	1.011696	10	1.073135	20	0.7567125	50	0.8630933	100	1.106765	200	1.034856
cis-1,2-Dichloroethylene	5	1.135516	10	1.373519	20	1.455889	50	1.322038	100	1.441985	200	1.412106
cis-1,3-Dichloropropylene	5	0.272262	10	0.3324212	20	0.3609055	50	0.3449663	100	0.3728775	200	0.3589148
Cyclohexane	5	1.42036	10	1.202547	20	1.531995	50	1.445989	100	1.53311	200	1.493775
Dibromochloromethane	5	0.1070419	10	0.137289	20	0.1562485	50	0.1621022	100	0.1823609	200	0.1866753
Dibromomethane	5	9.428028E-02	10	0.1177904	20	0.1214085	50	0.113303	100	0.1185849	200	0.1135865
Dichlorodifluoromethane	5	0.5523421	10	0.6097769	20	0.2837134	50	0.3946559	100	0.6657358	200	0.6298525
Ethyl Benzene	5	0.8941094	10	1.112594	20	1.169193	50	1.098102	100	1.261069	200	1.297626
Hexachlorobutadiene	5	0.277572	10	0.3465035	20	0.359985	50	0.3330677	100	0.3547774	200	0.3348169
Isopropylbenzene	5	2.004023	10	2.459417	20	2.552814	50	2.335391	100	2.404724	200	2.267107
Methyl acetate	5	0.6381592	10	0.469225	20	0.5726369	50	0.5006165	100	0.4934851	200	0.4586057
Methyl tert-butyl ether (MTBE)	5	1.590211	10	1.916043	20	2.012618	50	1.898216	100	2.051607	200	2.072017
Methylcyclohexane	5	0.384227	10	0.3360343	20	0.4196873	50	0.4017702	100	0.4129964	200	0.390581
Methylene chloride	5	0.8777556	10	1.067521	20	1.099262	50	1.00835	100	1.080168	200	1.042786
Naphthalene	5	1.340206	10	1.48667	20	1.514175	50	1.35225	100	1.287593	200	1.150603
n-Butylbenzene	5	2.292322	10	2.750959	20	2.938323	50	2.721028	100	2.841931	200	2.59853
n-Propylbenzene	5	2.566564	10	3.171519	20	3.314922	50	3.048652	100	3.192952	200	2.91674
o-Xylene	5	0.7227226	10	0.8863116	20	0.9339282	50	0.8827401	100	0.9893816	200	1.01532

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YH00003

SDG: 20I0044

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	10	0.7218479	20	0.894329	40	0.9470369	100	0.9078614	200	1.063323	400	0.9442139
p-Diethylbenzene	5	1.155557	10	1.044975	20	1.298439	50	1.248385	100	1.276886	200	1.186439
p-Ethyltoluene	5	2.309628	10	1.897764	20	2.459132	50	2.381991	100	2.409927	200	2.313631
p-Isopropyltoluene	5	1.842833	10	2.251248	20	2.421998	50	2.263491	100	2.523081	200	2.445026
sec-Butylbenzene	5	2.153496	10	2.653457	20	2.777813	50	2.519062	100	2.624684	200	2.494005
Styrene	5	0.500186	10	0.6077406	20	0.6471334	50	0.6127818	100	0.6813458	200	0.7070274
SURR: 1,2-Dichloroethane-d4	50	1.499607	50	1.49137	50	1.554773	50	1.558784	50	1.605505	50	1.660933
SURR: p-Bromofluorobenzene	50	1.226768	50	1.246306	50	1.218975	50	1.190716	50	1.094541	50	1.002336
SURR: Toluene-d8	50	1.357441	50	1.364453	50	1.35331	50	1.338403	50	1.33202	50	1.289434
tert-Butyl alcohol (TBA)	5	6.195579E-02	10	5.202531E-02	20	6.835316E-02	50	6.445556E-02	100	6.069702E-02	200	5.678363E-02
tert-Butylbenzene	5	1.444524	10	1.75138	20	1.81557	50	1.680431	100	1.760096	200	1.707006
Tetrachloroethylene	5	0.1671398	10	0.1982108	20	0.2050638	50	0.1867865	100	0.2111395	200	0.2111472
Toluene	5	0.8064034	10	0.9546927	20	0.9654347	50	0.8767375	100	0.9484391	200	0.9304364
trans-1,2-Dichloroethylene	5	0.9832115	10	1.156766	20	1.232976	50	1.086769	100	1.230818	200	1.196221
trans-1,3-Dichloropropylene	5	0.2312318	10	0.289025	20	0.3220946	50	0.314729	100	0.3479804	200	0.3386738
trans-1,4-dichloro-2-butene	5	0.423657	10	0.5152226	20	0.5513874	50	0.5224546	100	0.5392945	200	0.5046229
Trichloroethylene	5	0.1861197	10	0.2203294	20	0.2375604	50	0.2215866	100	0.2397422	200	0.2280716
Trichlorofluoromethane	5	1.50119	10	1.649196	20	1.581166	50	1.546845	100	1.779165	200	1.647864
Vinyl acetate	5	0.928081	10	0.9205273	20	1.048308	50	1.028366	100	1.130454	200	1.019048
Vinyl Chloride	5	0.8386055	10	0.9616822	20	0.7814487	50	0.8385594	100	1.060815	200	0.9935065

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Calibration: YH00003 Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.1807482	21.83458	7.9725	2.797988E-02	0.99850		0.99	
1,1,1-Trichloroethane	1.35124	14.5208	4.274167	5.020336E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.3975603	8.891902	9.323167	2.773063E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.7931214	11.43841	2.2625	0.1557116			SPCC (0.1)	
1,1,2-Trichloroethane	0.1493515	6.280079	6.8965	3.368091E-02			SPCC (0.1)	
1,1-Dichloroethane	1.504345	8.702066	3.339333	2.776637E-02			SPCC (0.2)	
1,1-Dichloroethylene	1.291159	8.153604	2.284	1.494816E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.175567	9.887722	4.422	2.915497E-02			20	
1,2,3-Trichlorobenzene	0.4852821	8.956599	13.175	0.0200103			20	
1,2,3-Trichloropropane	0.1367891	7.528074	9.357167	1.991185E-02			20	
1,2,4,5-Tetramethylbenzene	2.009286	9.579791	11.6215	0.0239708			20	
1,2,4-Trichlorobenzene	0.5611112	8.197821	12.61617	6.061076E-03			SPCC (0.2)	
1,2,4-Trimethylbenzene	2.081242	9.141382	9.9645	3.371412E-02			20	
1,2-Dibromo-3-chloropropane	8.356553E-02	13.80768	11.72567	2.997389E-02			SPCC (0.05)	
1,2-Dibromoethane	0.1544719	9.240671	7.3945	2.773051E-02			SPCC (0.1)	
1,2-Dichlorobenzene	0.8566001	6.794409	10.8125	2.866794E-02			SPCC (0.4)	
1,2-Dichloroethane	1.130085	9.274709	4.6795	3.027175E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2156655	7.983183	5.447333	2.647044E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	2.02041	9.025519	9.552166	3.094544E-02			20	
1,3-Dichlorobenzene	0.9349307	10.18266	10.294	1.913159E-02			SPCC (0.6)	
1,3-Dichloropropane	0.2955205	7.345182	7.059	2.091709E-02			20	
1,4-Dichlorobenzene	0.9055455	6.729855	10.3965	2.572242E-02			SPCC (0.5)	
1,4-Dioxane	1.484957E-03	10.84229	5.6025	0.1248319			20	
2,2-Dichloropropane	1.353369	10.95866	3.830167	8.862664E-02			20	
2-Butanone	0.0539544	3.833313	3.904833	0.1168934			SPCC (0.1)	*
2-Chlorotoluene	1.997315	7.274109	9.462333	0.0291307			20	
2-Hexanone	0.1236723	10.70583	7.135167	3.244393E-02			SPCC (0.1)	
4-Chlorotoluene	2.008374	10.7658	9.586167	1.428081E-02			20	
4-Methyl-2-pentanone	0.1749533	11.09432	6.295	5.194219E-02			SPCC (0.1)	
Acetone	0.2819448	16.73086	2.392	6.558365E-02			SPCC (0.1)	
Acrolein	6.800527E-02	35.0801	2.2495	0.1124568	0.96493		0.99	*

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Calibration: YH00003
Instrument: QVOA4
Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	0.179878	9.046965	2.999	0.1086934			20	
Benzene	2.946759	8.80323	4.618833	4.188523E-02			SPCC (0.5)	
Bromobenzene	0.855525	8.424817	9.26	2.205387E-02			20	
Bromochloromethane	0.6780198	7.735338	4.0865	5.207596E-02			20	
Bromodichloromethane	0.2755562	12.35372	5.730333	1.635209E-02			SPCC (0.2)	
Bromoform	7.283191E-02	30.16965	8.7895	0.0525369	0.99885		SPCC (0.1)	
Bromomethane	0.3861049	13.03684	1.581	9.862432E-02			SPCC (0.1)	
Carbon disulfide	2.018406	11.11381	2.4705	6.580728E-02			SPCC (0.1)	
Carbon tetrachloride	1.026493	19.87965	4.411833	3.249648E-02			SPCC (0.1)	
Chlorobenzene	0.5589409	9.462193	7.8745	2.712907E-02			SPCC (0.5)	
Chloroethane	0.5148365	9.38565	1.655667	0.1191343			SPCC (0.1)	
Chloroform	1.437048	7.895396	4.158	2.990724E-02			SPCC (0.2)	
Chloromethane	0.9743763	13.92834	1.286667	0.5850693			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.356842	8.756923	3.86	6.341825E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3403912	10.62927	6.1465	2.387189E-02			SPCC (0.2)	
Cyclohexane	1.437963	8.619109	4.285833	4.476523E-02			SPCC (0.1)	
Dibromochloromethane	0.1552863	19.1404	7.2925	5.578256E-03			SPCC (0.1)	
Dibromomethane	0.1131589	8.61838	5.58	3.006772E-02			20	
Dichlorodifluoromethane	0.5226794	28.87779	1.1225	0.1466633		0.9883858	SPCC (0.1)	
Ethyl Benzene	1.138782	12.62286	7.971	1.637069E-02			SPCC (0.1)	
Hexachlorobutadiene	0.3344537	8.917553	12.77867	9.525456E-03			20	
Isopropylbenzene	2.337246	8.160895	8.907	2.048767E-02			SPCC (0.1)	
Methyl acetate	0.5221214	13.3056	2.654	7.312016E-02			SPCC (0.1)	
Methyl tert-butyl ether (MTBE)	1.923452	9.247394	2.942333	5.059261E-02			SPCC (0.1)	
Methylcyclohexane	0.3908827	7.666408	5.335167	3.009899E-02			SPCC (0.1)	
Methylene chloride	1.029307	7.836268	2.741667	5.453166E-02			SPCC (0.1)	
Naphthalene	1.35525	9.856672	12.89833	1.106623E-02			20	
n-Butylbenzene	2.690516	8.409069	10.771	2.715927E-02			20	
n-Propylbenzene	3.035225	8.785602	9.356	2.131341E-02			20	
o-Xylene	0.9050673	11.50333	8.5165	2.469201E-02			SPCC (0.3)	
p- & m- Xylenes	0.913102	12.16021	8.092167	1.092937E-02			SPCC (0.1)	
p-Diethylbenzene	1.20178	7.816032	10.74167	0.0311211			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Calibration: YH00003
Instrument: QVOA4
Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
p-Ethyltoluene	2.295345	8.844561	9.482334	3.104672E-02			20	
p-Isopropyltoluene	2.291279	10.65366	10.3095	1.935123E-02			20	
sec-Butylbenzene	2.537086	8.425786	10.1435	1.537192E-02			20	
Styrene	0.6260358	11.60968	8.5485	1.522871E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.561829	4.112169	4.6085	3.596378E-02			20	
SURR: p-Bromofluorobenzene	1.163274	8.192062	9.104667	1.558246E-02			20	
SURR: Toluene-d8	1.339177	2.030909	6.369	1.571832E-02			20	
tert-Butyl alcohol (TBA)	6.071175E-02	9.457423	2.895667	8.744689E-02			20	
tert-Butylbenzene	1.693168	7.70186	9.904	3.691764E-02			20	
Tetrachloroethylene	0.1965813	8.696919	6.964	2.757865E-02			SPCC (0.2)	*
Toluene	0.9136906	6.697287	6.4345	3.469465E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.147794	8.481582	2.9525	3.420218E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.3072891	13.83244	6.709	0.0179689			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.5094398	8.881338	9.356834	3.147015E-02			20	
Trichloroethylene	0.222235	8.73414	5.2125	3.042349E-02			SPCC (0.2)	
Trichlorofluoromethane	1.617571	6.051045	1.842	1.848113E-02			SPCC (0.1)	
Vinyl acetate	1.012464	7.786542	3.3865	0.117511			20	
Vinyl Chloride	0.9124362	11.91335	1.336667	0.1120461			SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YH00024

SDG: 20I0044

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	0.5	0.1972084	2	0.1901644	4	0.2055944	10	0.2358966	20	0.2279057	40	0.2283372
1,1,1-Trichloroethane	0.5	1.465483	2	1.305515	4	1.501733	10	1.738103	20	1.765197	40	1.733016
1,1,2,2-Tetrachloroethane	0.5	0.3884944	2	0.3649686	4	0.375049	10	0.4201557	20	0.3962347	40	0.409193
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	0.5	0.8145797	2	0.6630164	4	0.7731389	10	0.831944	20	0.900971	40	0.867593
1,1,2-Trichloroethane	0.5	0.1225702	2	0.1155385	4	0.1139519	10	0.1337973	20	0.1225937	40	0.1252502
1,1-Dichloroethane	0.5	1.785128	2	1.616059	4	1.785053	10	2.062541	20	2.050525	40	2.032772
1,1-Dichloroethylene	0.5	1.465182	2	1.241592	4	1.473	10	1.658475	20	1.696294	40	1.638158
1,1-Dichloropropylene	0.5	1.298703	2	1.076485	4	1.230828	10	1.473478	20	1.485264	40	1.415373
1,2,3-Trichlorobenzene	0.5	0.4938767	2	0.4448524	4	0.4679186	10	0.5407074	20	0.5423893	40	0.5635147
1,2,3-Trichloropropane	0.5	9.786971E-02	2	0.1145257	4	0.1090156	10	0.1254414	20	0.1176887	40	0.1208071
1,2,4,5-Tetramethylbenzene	0.5	2.483997	2	2.332557	4	2.389447	10	2.697727	20	2.763556	40	2.835517
1,2,4-Trichlorobenzene	0.5	0.5216631	2	0.5385357	4	0.5964208	10	0.6973326	20	0.6911521	40	0.7180312
1,2,4-Trimethylbenzene	0.5	3.190388	2	3.064833	4	3.393112	10	3.936624	20	3.825279	40	3.805466
1,2-Dibromo-3-chloropropa ne	0.5	8.994546E-02	2	8.360829E-02	4	6.958263E-02	10	8.566169E-02	20	8.523273E-02	40	8.756226E-02
1,2-Dibromoethane	0.5	9.875719E-02	2	0.1058385	4	0.103956	10	0.120919	20	0.1159713	40	0.1161993
1,2-Dichlorobenzene	0.5	1.30143	2	1.139981	4	1.237201	10	1.40011	20	1.346814	40	1.338787
1,2-Dichloroethane	0.5	0.8328995	2	0.8229456	4	0.849765	10	0.995461	20	0.9687491	40	0.9653773
1,2-Dichloropropane	0.5	0.2628054	2	0.2369865	4	0.2606407	10	0.29382	20	0.284809	40	0.2791177
1,3,5-Trimethylbenzene	0.5	3.49789	2	3.207483	4	3.613104	10	4.090342	20	3.995037	40	4.000257
1,3-Dichlorobenzene	0.5	1.532469	2	1.500103	4	1.554068	10	1.807871	20	1.729465	40	1.754306
1,3-Dichloropropane	0.5	0.2054984	2	0.1985285	4	0.2116441	10	0.2392065	20	0.2267232	40	0.2272216
1,4-Dichlorobenzene	0.5	1.537306	2	1.397848	4	1.49999	10	1.712912	20	1.639128	40	1.656515
1,4-Dioxane	10	4.117201E-04	40	6.850577E-04	80	5.880862E-04	200	6.17585E-04	400	6.263156E-04	800	6.111154E-04
2,2-Dichloropropane	0.5	1.169863	2	1.046	4	1.248815	10	1.375084	20	1.368152	40	1.359011
2-Butanone	0.5	3.473752E-02	2	3.009862E-02	4	2.282222E-02	10	3.135829E-02	20	2.649244E-02	40	2.636401E-02
2-Chlorotoluene	0.5	3.364722	2	2.898118	4	3.1352	10	3.498829	20	3.391637	40	3.426954
2-Hexanone	0.5	5.602732E-02	2	4.341989E-02	4	4.526107E-02	10	5.430852E-02	20	5.273707E-02	40	5.253976E-02
4-Chlorotoluene	0.5	3.495935	2	3.109741	4	3.463603	10	3.952857	20	3.854579	40	3.887806
4-Methyl-2-pentanone	0.5	9.094007E-02	2	7.567881E-02	4	7.404836E-02	10	8.885835E-02	20	8.160269E-02	40	8.538143E-02
Acetone	0.5	0.4278621	2	0.1683248	4	0.1182452	10	0.1133828	20	9.763438E-02	40	9.558802E-02

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YH00024

SDG: 20I0044

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	0.5	3.533817E-02	2	3.866366E-02	4	3.597401E-02	10	4.291083E-02	20	4.340104E-02	40	4.375591E-02
Acrylonitrile	0.5	0.1463581	2	0.1263223	4	0.1151507	10	0.1295329	20	0.1252688	40	0.1238285
Benzene	0.5	3.488668	2	3.13962	4	3.384095	10	3.928576	20	3.922497	40	3.842516
Bromobenzene	0.5	1.47031	2	1.355424	4	1.443734	10	1.665272	20	1.580796	40	1.602038
Bromochloromethane	0.5	0.7007568	2	0.6397166	4	0.6305484	10	0.7393919	20	0.711573	40	0.7085166
Bromodichloromethane	0.5	0.2779389	2	0.2581437	4	0.2744725	10	0.3097973	20	0.3028537	40	0.3077925
Bromoform	0.5	6.696016E-02	2	5.825294E-02	4	6.139707E-02	10	0.0736266	20	6.983992E-02	40	7.413332E-02
Bromomethane	0.5	0.5977456	2	0.4099122	4	0.4674324	10	0.5008444	20	0.5479936	40	0.5517069
Carbon disulfide	0.5	2.128098	2	1.744438	4	2.038225	10	2.359041	20	2.402529	40	2.268018
Carbon tetrachloride	0.5	1.24044	2	1.02028	4	1.264759	10	1.453268	20	1.495551	40	1.466564
Chlorobenzene	0.5	0.6434796	2	0.5707169	4	0.6201843	10	0.7051416	20	0.6905888	40	0.6866661
Chloroethane	0.5	0.6834381	2	0.4750936	4	0.5528707	10	0.5998633	20	0.6330394	40	0.6122415
Chloroform	0.5	1.608437	2	1.402465	4	1.496391	10	1.720523	20	1.719316	40	1.675172
Chloromethane	0.5	1.373583	2	0.9731484	4	1.102744	10	1.1998	20	1.244204	40	1.178017
cis-1,2-Dichloroethylene	0.5	1.59292	2	1.448339	4	1.550412	10	1.784792	20	1.767934	40	1.746628
cis-1,3-Dichloropropylene	0.5	0.3033376	2	0.2960555	4	0.3074134	10	0.3533472	20	0.3525896	40	0.3520054
Cyclohexane	0.5	4.404357	2	1.989509	4	1.494565	10	1.962033	20	2.047463	40	2.375489
Dibromochloromethane	0.5	0.1211236	2	0.1218955	4	0.1288272	10	0.1518164	20	0.1486928	40	0.1533081
Dibromomethane	0.5	9.066188E-02	2	8.137775E-02	4	7.832565E-02	10	9.307365E-02	20	0.089285	40	8.989805E-02
Dichlorodifluoromethane	0.5	0.8780483	2	0.5854956	4	0.7840786	10	0.8976963	20	0.9339658	40	0.9102467
Ethyl Benzene	0.5	1.266123	2	1.124028	4	1.228222	10	1.426107	20	1.39849	40	1.373216
Hexachlorobutadiene	0.5	0.3153237	2	0.2808112	4	0.3332438	10	0.3892739	20	0.3841784	40	0.3942464
Isopropylbenzene	0.5	4.571679	2	3.929637	4	4.527567	10	5.234003	20	5.097731	40	5.049426
Methyl acetate	0.5	0.2325512	2	0.2231992	4	0.1953911	10	0.2012104	20	0.2027743	40	0.2014628
Methyl tert-butyl ether (MTBE)	0.5	1.272374	2	1.191049	4	1.196112	10	1.389341	20	1.341969	40	1.342532
Methylcyclohexane	0.5	0.4744518	2	0.3595994	4	0.4463536	10	0.4812891	20	0.5056431	40	0.5000702
Methylene chloride	0.5	1.115204	2	1.1076	4	1.101511	10	1.251799	20	1.214773	40	1.191003
Naphthalene	0.5	1.274262	2	1.009077	4	1.002479	10	1.194905	20	1.140623	40	1.203257
n-Butylbenzene	0.5	3.481116	2	3.057003	4	3.605431	10	4.155111	20	4.143264	40	4.108679
n-Propylbenzene	0.5	5.29824	2	4.618773	4	5.346473	10	6.214152	20	6.003768	40	6.006273
o-Xylene	0.5	0.9640093	2	0.8907001	4	0.9587393	10	1.104425	20	1.085091	40	1.073017

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0044

Client: Walden Associates

Project: IMPL0115.6 218 Lakeville Road New Hyde P

Calibration: YH00024

Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	1	0.9723549	4	0.8942076	8	0.984261	20	1.134698	40	1.109571	80	1.072266
p-Diethylbenzene	0.5	1.955233	2	1.653233	4	1.770611	10	1.938426	20	2.017194	40	2.020152
p-Ethyltoluene	0.5	4.317176	2	3.804201	4	3.84946	10	4.266165	20	4.268488	40	4.287824
p-Isopropyltoluene	0.5	3.495832	2	3.084028	4	3.567486	10	4.140373	20	4.000115	40	4.039733
sec-Butylbenzene	0.5	4.20953	2	3.567223	4	4.258653	10	5.00018	20	4.77671	40	4.802351
Styrene	0.5	0.5747668	2	0.5807131	4	0.631839	10	0.7436274	20	0.7294529	40	0.718287
SURR: 1,2-Dichloroethane-d4	10	0.864854	10	0.9085234	10	0.8870784	10	0.8895993	10	0.9081892	10	0.9131395
SURR: p-Bromofluorobenzene	10	1.76945	10	1.731838	10	1.735458	10	1.743414	10	1.720711	10	1.768007
SURR: Toluene-d8	10	1.410634	10	1.391202	10	1.398233	10	1.380843	10	1.393406	10	1.389045
tert-Butyl alcohol (TBA)	0.5	9.490249E-02	2	4.647866E-02	4	3.237177E-02	10	3.280297E-02	20	2.956156E-02	40	2.925331E-02
tert-Butylbenzene	0.5	3.365133	2	2.982299	4	3.409815	10	3.966016	20	3.744455	40	3.758819
Tetrachloroethylene	0.5	0.2565461	2	0.2224036	4	0.2676503	10	0.2991811	20	0.2982779	40	0.2882561
Toluene	0.5	1.20417	2	0.9932284	4	1.068621	10	1.193699	20	1.181762	40	1.166163
trans-1,2-Dichloroethylene	0.5	1.332039	2	1.215171	4	1.367532	10	1.584416	20	1.589586	40	1.557754
trans-1,3-Dichloropropylene	0.5	0.2164034	2	0.2204886	4	0.2326326	10	0.2682811	20	0.2640601	40	0.2624823
trans-1,4-dichloro-2-butene	0.5	0.5615931	2	0.5117725	4	0.5092398	10	0.5872421	20	0.5581654	40	0.5750775
Trichloroethylene	0.5	0.2449178	2	0.2353874	4	0.2606006	10	0.3018328	20	0.2943992	40	0.2892489
Trichlorofluoromethane	0.5	1.383995	2	0.9753985	4	1.307225	10	1.446474	20	1.54429	40	1.517128
Vinyl acetate	0.5	0.6171665	2	0.5833906	4	0.5505014	10	0.5292547	20	0.5442977	40	0.5592582
Vinyl Chloride	0.5	1.066652	2	0.7591191	4	0.9746465	10	1.035307	20	1.095858	40	1.088708

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde P

Calibration: YH00024 Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	80	0.2425454	120	0.2334604	160	0.2379332						
1,1,1-Trichloroethane	80	1.884489	120	1.78746	160	1.849187						
1,1,2,2-Tetrachloroethane	80	0.4445056	120	0.4522006	160	0.4545234						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	80	0.9348525	120	0.8809352	160	0.9085865						
1,1,2-Trichloroethane	80	0.1314288	120	0.1321807	160	0.1346044						
1,1-Dichloroethane	80	2.163955	120	2.055842	160	2.095814						
1,1-Dichloroethylene	80	1.801841	120	1.679948	160	1.706715						
1,1-Dichloropropylene	80	1.552098	120	1.449524	160	1.487411						
1,2,3-Trichlorobenzene	80	0.6264599	120	0.6363088	160	0.6532255						
1,2,3-Trichloropropane	80	0.1302786	120	0.1322362	160	0.1334866						
1,2,4,5-Tetramethylbenzene	80	3.208324	120	3.113893	160	3.191105						
1,2,4-Trichlorobenzene	80	0.8182385	120	0.8035011	160	0.8373131						
1,2,4-Trimethylbenzene	80	4.193198	120	3.964248	160	4.160684						
1,2-Dibromo-3-chloropropane	80	9.592544E-02	120	0.1001338	160	0.1028613						
1,2-Dibromoethane	80	0.1230539	120	0.1255609	160	0.127464						
1,2-Dichlorobenzene	80	1.437444	120	1.365633	160	1.387075						
1,2-Dichloroethane	80	1.018287	120	1.018291	160	1.016748						
1,2-Dichloropropane	80	0.3012801	120	0.2928559	160	0.2946942						
1,3,5-Trimethylbenzene	80	4.373029	120	4.165114	160	4.224006						
1,3-Dichlorobenzene	80	1.911561	120	1.853366	160	1.931576						
1,3-Dichloropropane	80	0.2392935	120	0.2405068	160	0.2451588						
1,4-Dichlorobenzene	80	1.782638	120	1.754691	160	1.831236						
1,4-Dioxane	1600	6.564516E-04	2400	6.786241E-04	3200	7.08518E-04						
2,2-Dichloropropane	80	1.493677	120	1.408412	160	1.458604						
2-Butanone	80	2.827094E-02	120	2.769369E-02	160	2.863064E-02						
2-Chlorotoluene	80	3.841935	120	3.607296	160	3.673306						
2-Hexanone	80	5.623202E-02	120	0.0584497	160	5.791162E-02						
4-Chlorotoluene	80	4.301352	120	4.092999	160	4.162832						
4-Methyl-2-pentanone	80	8.848554E-02	120	9.163646E-02	160	9.293434E-02						
Acetone	80	9.173256E-02	120	9.185182E-02	160	9.022883E-02						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde P

Calibration: YH00024 Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	80	4.453376E-02	120	0.0464497	160	4.826789E-02						
Acrylonitrile	80	0.1267019	120	0.1372576	160	0.1372503						
Benzene	80	4.075984	120	3.84761	160	3.910282						
Bromobenzene	80	1.767695	120	1.725751	160	1.745762						
Bromochloromethane	80	0.7079543	120	0.6839957	160	0.6717088						
Bromodichloromethane	80	0.3344531	120	0.3333281	160	0.3438894						
Bromoform	80	7.834437E-02	120	0.0812963	160	8.315687E-02						
Bromomethane	80	0.6351891	120	0.6033236	160	0.6129852						
Carbon disulfide	80	2.495417	120	2.341965	160	2.437743						
Carbon tetrachloride	80	1.591102	120	1.51516	160	1.581116						
Chlorobenzene	80	0.7353215	120	0.7000389	160	0.7145474						
Chloroethane	80	0.6572697	120	0.6196735	160	0.6407336						
Chloroform	80	1.796852	120	1.744001	160	1.781318						
Chloromethane	80	1.260848	120	1.201253	160	1.276971						
cis-1,2-Dichloroethylene	80	1.891097	120	1.778866	160	1.807017						
cis-1,3-Dichloropropylene	80	0.381529	120	0.374392	160	0.3874419						
Cyclohexane	80	1.871193	120	2.074476	160	2.007418						
Dibromochloromethane	80	0.1622477	120	0.1655359	160	0.1688919						
Dibromomethane	80	9.720785E-02	120	9.907486E-02	160	0.1022028						
Dichlorodifluoromethane	80	0.9952243	120	0.9197618	160	0.9410087						
Ethyl Benzene	80	1.467343	120	1.360016	160	1.342436						
Hexachlorobutadiene	80	0.4580388	120	0.4504238	160	0.4652345						
Isopropylbenzene	80	5.629186	120	5.199891	160	5.198217						
Methyl acetate	80	0.2061106	120	0.2159433	160	0.2127456						
Methyl tert-butyl ether (MTBE)	80	1.417124	120	1.459373	160	1.47212						
Methylcyclohexane	80	0.5359303	120	0.5146266	160	0.5315387						
Methylene chloride	80	1.266783	120	1.234173	160	1.236616						
Naphthalene	80	1.339345	120	1.378432	160	1.415007						
n-Butylbenzene	80	4.424763	120	4.231126	160	4.248034						
n-Propylbenzene	80	6.607059	120	6.142013	160	5.775684						
o-Xylene	80	1.128403	120	1.055333	160	1.079383						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde P
Calibration: YH00024
Instrument: QVOA9
Calibration Date: 08/26/20 01:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	160	1.152732	240	1.071663	320	0.9779492						
p-Diethylbenzene	80	2.204605	120	2.100513	160	2.140639						
p-Ethyltoluene	80	4.746047	120	4.456561	160	4.51092						
p-Isopropyltoluene	80	4.369718	120	4.178834	160	4.351455						
sec-Butylbenzene	80	5.197498	120	4.94832	160	5.052836						
Styrene	80	0.7552704	120	0.715679	160	0.7257487						
SURR: 1,2-Dichloroethane-d4	10	0.8685951	10	0.920277	10	0.8840471						
SURR: p-Bromofluorobenzene	10	1.800336	10	1.811997	10	1.807227						
SURR: Toluene-d8	10	1.427955	10	1.458344	10	1.44873						
tert-Butyl alcohol (TBA)	80	2.975453E-02	120	3.269822E-02	160	3.431921E-02						
tert-Butylbenzene	80	4.149829	120	3.922802	160	4.047822						
Tetrachloroethylene	80	0.3131381	120	0.2984772	160	0.3052939						
Toluene	80	1.268163	120	1.195342	160	1.220187						
trans-1,2-Dichloroethylene	80	1.688775	120	1.589035	160	1.615353						
trans-1,3-Dichloropropylene	80	0.2830709	120	0.2844211	160	0.2925017						
trans-1,4-dichloro-2-butene	80	0.6268923	120	0.6313739	160	0.631656						
Trichloroethylene	80	0.326544	120	0.3068484	160	0.3214098						
Trichlorofluoromethane	80	1.650378	120	1.533772	160	1.593						
Vinyl acetate	80	0.5612732	120	0.6191833	160	0.6166588						
Vinyl Chloride	80	1.188253	120	1.068903	160	1.113981						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Calibration: YH00024 Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.2221162	8.6785	8.918	2.574676E-02			20	
1,1,1-Trichloroethane	1.67002	11.8361	5.146333	5.227173E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.4117028	8.116479	10.198	2.365334E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.8417352	9.969243	3.020778	8.951419E-02			SPCC (0.1)	
1,1,2-Trichloroethane	0.1257684	6.162449	7.772333	5.877677E-03			SPCC (0.1)	
1,1-Dichloroethane	1.960854	9.415865	4.133222	0.0453786			SPCC (0.2)	
1,1-Dichloroethylene	1.595689	10.74688	3.005333	0.0467523			SPCC (0.1)	
1,1-Dichloropropylene	1.385463	11.05799	5.295333	4.161903E-02			20	
1,2,3-Trichlorobenzene	0.5521393	13.61063	14.19967	2.157207E-02			20	
1,2,3-Trichloropropane	0.12015	9.817171	10.26567	0.0429666			20	
1,2,4,5-Tetramethylbenzene	2.779569	12.16333	12.665	1.705194E-02			20	
1,2,4-Trichlorobenzene	0.6913543	17.10598	13.65367	2.211165E-02			SPCC (0.2)	
1,2,4-Trimethylbenzene	3.725981	11.06321	10.97633	0.0208922			20	
1,2-Dibromo-3-chloropropane	8.894596E-02	11.23178	12.68667	2.174136E-02			SPCC (0.05)	
1,2-Dibromoethane	0.1153022	8.876853	8.305778	1.605838E-02			SPCC (0.1)	
1,2-Dichlorobenzene	1.328275	6.882309	11.80433	1.084158E-02			SPCC (0.4)	
1,2-Dichloroethane	0.9431693	8.864324	5.504333	0.0544277			SPCC (0.1)	
1,2-Dichloropropane	0.2785566	7.563167	6.335	3.072667E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	3.907363	9.818349	10.55856	3.276683E-02			20	
1,3-Dichlorobenzene	1.730532	9.545414	11.29567	2.545355E-02			SPCC (0.6)	
1,3-Dichloropropane	0.2259757	7.522511	7.939667	1.719443E-02			20	
1,4-Dichlorobenzene	1.645807	8.703378	11.413	2.098755E-02			SPCC (0.5)	
1,4-Dioxane	6.20386E-04	14.1163	6.398667	5.057898E-02			20	
2,2-Dichloropropane	1.325291	10.88552	4.672667	7.097924E-02			20	
2-Butanone	2.849649E-02	11.84725	4.616333	0.1576292			SPCC (0.1)	
2-Chlorotoluene	3.426444	8.257876	10.45	3.119779E-02			20	
2-Hexanone	5.298744E-02	10.05509	7.968667	2.401311E-02			SPCC (0.1)	
4-Chlorotoluene	3.813523	10.08514	10.58433	3.701104E-02			20	
4-Methyl-2-pentanone	8.550734E-02	8.118378	7.125	3.753581E-02			SPCC (0.1)	
Acetone	0.1438723	75.98373	3.006	7.104269E-02	0.99994		SPCC (0.1)	
Acrolein	4.214389E-02	10.71124	2.883667	0.1416533			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Calibration: YH00024 Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	0.1297412	7.094701	3.637222	8.449598E-02			20	
Benzene	3.72665	8.387018	5.472333	3.645422E-02			SPCC (0.5)	
Bromobenzene	1.595198	9.156094	10.23467	0.0280625			20	
Bromochloromethane	0.6882402	5.160507	4.876111	2.796762E-02			20	
Bromodichloromethane	0.304741	9.759905	6.582667	2.811078E-02			SPCC (0.2)	
Bromoform	7.188973E-02	11.94278	9.698111	3.576004E-02			SPCC (0.1)	
Bromomethane	0.5474592	13.72314	2.149333	4.897475E-02			SPCC (0.1)	
Carbon disulfide	2.246164	10.61256	3.235	5.093303E-02			SPCC (0.1)	
Carbon tetrachloride	1.403138	13.49485	5.308778	3.697216E-02			SPCC (0.1)	
Chlorobenzene	0.6740761	7.776574	8.826	0.0258965			SPCC (0.5)	
Chloroethane	0.608247	10.19126	2.256333	0.1041599			SPCC (0.1)	
Chloroform	1.660497	8.070298	4.967556	2.692253E-02			SPCC (0.2)	
Chloromethane	1.201174	9.451243	1.725444	7.000276E-02			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.707556	8.406209	4.656	4.254072E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3453457	10.09276	7.009333	2.910581E-02			SPCC (0.2)	
Cyclohexane	2.247389	37.40243	5.245889	5.803695E-02	0.99824		SPCC (0.1)	
Dibromochloromethane	0.1469266	12.62166	8.174667	2.627841E-02			SPCC (0.1)	
Dibromomethane	9.123417E-02	8.58298	6.417889	5.564423E-02			20	
Dichlorodifluoromethane	0.8717251	13.93454	1.555333	8.365364E-02			SPCC (0.1)	
Ethyl Benzene	1.331776	8.076246	8.930333	1.861135E-02			SPCC (0.1)	
Hexachlorobutadiene	0.3856416	17.03904	13.83667	2.243151E-02			20	
Isopropylbenzene	4.937482	10.27496	9.889667	8.112142E-03			SPCC (0.1)	
Methyl acetate	0.2101543	5.720804	3.322333	6.185264E-02			SPCC (0.1)	
Methyl tert-butyl ether (MTBE)	1.342444	7.790816	3.729333	0.0521912			SPCC (0.1)	
Methylcyclohexane	0.4832781	11.24054	6.358444	4.656307E-02			SPCC (0.1)	
Methylene chloride	1.191051	5.526212	3.46	4.178538E-02			SPCC (0.1)	
Naphthalene	1.217487	12.29558	13.941	2.059411E-02			20	
n-Butylbenzene	3.939392	11.46836	11.80367	2.252056E-02			20	
n-Propylbenzene	5.779159	10.37012	10.35211	2.757931E-02			20	
o-Xylene	1.037678	7.731698	9.483889	0.0187036			SPCC (0.3)	
p- & m- Xylenes	1.041078	8.410777	9.072333	3.217046E-02			SPCC (0.1)	
p-Diethylbenzene	1.977845	8.878511	11.77733	0.0242384			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park
Calibration: YH00024
Instrument: QVOA9
Calibration Date: 08/26/20 01:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
p-Ethyltoluene	4.278538	6.988304	10.49233	1.687055E-02			20	
p-Isopropyltoluene	3.914175	11.16342	11.342	2.469201E-02			20	
sec-Butylbenzene	4.645922	11.37008	11.16333	2.023665E-02			20	
Styrene	0.6861538	10.29276	9.503333	2.623508E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	0.8938114	2.212998	5.432778	3.392418E-02			20	
SURR: p-Bromofluorobenzene	1.765382	1.969192	10.08067	1.781752E-02			20	
SURR: Toluene-d8	1.410932	1.974449	7.289778	1.040727E-02			20	
tert-Butyl alcohol (TBA)	4.023808E-02	52.57804	3.53	8.442573E-02	0.99791		0.99	
tert-Butylbenzene	3.705221	10.27868	10.91011	3.426809E-02			20	
Tetrachloroethylene	0.2832471	10.27375	7.904444	3.101696E-02			SPCC (0.2)	
Toluene	1.165704	7.179791	7.360333	2.975576E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.504407	10.56424	3.739333	4.154321E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.2582602	11.00289	7.567889	2.756687E-02			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.5770014	8.216198	10.26333	3.619816E-02			20	
Trichloroethylene	0.2867988	11.40075	6.104	1.728876E-02			SPCC (0.2)	
Trichlorofluoromethane	1.439073	14.11205	2.512333	3.942406E-02			SPCC (0.1)	
Vinyl acetate	0.5756649	6.018735	4.12	5.188299E-02			20	
Vinyl Chloride	1.043492	11.61744	1.832	8.209185E-02			SPCC (0.1)	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	549424	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1937839	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	867919	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	823920	64.08	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 128.16%#				
54) Toluene-d8 (SURR)	6.369	98	2630503	52.60	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 105.20%				
73) p-Bromofluorobenzene (...	9.104	95	1064735	59.24	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 118.48%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	30347	8.53	ppb		100
3) Chloromethane	1.274	50	55585m	6.27	ppb		
4) Vinyl Chloride	1.336	62	46075	5.61	ppb		100
5) Bromomethane	1.580	94	19250	8.28	ppb		97
6) Allyl Chloride	2.615	76	18809	4.17	ppb	#	100
7) Chloroethane	1.655	64	24409	7.23	ppb		100
8) Trichlorofluoromethane	1.842	101	82479	7.62	ppb		98
9) Ethanol	2.095	45	21151	361.70	ppb		82
10) Freon-113	2.256	101	41447	5.82	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	60941	5.37	ppb		87
12) Acrolein	2.245	56	3669m	6.67	ppb		
13) Acetone	2.393	43	19171	7.40	ppb	#	43
14) Iodomethane	2.429	142	27116m	2.74	ppb		
15) Methyl Acetate	2.654	43	35062m	6.64	ppb		
16) Carbon disulfide	2.471	76	92348	3.95	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	3404m	5.56	ppb		
18) Methylene Chloride	2.741	49	48226	4.99	ppb		87
19) Acrylonitrile	3.005	53	8333m	4.17	ppb		
20) trans-1,2-Dichloroethy...	2.952	61	54020	4.88	ppb		92
21) tert-Butyl Methyl Ethe...	2.941	73	87370	4.87	ppb		99
22) 1,1-Dichloroethane	3.339	63	69489	4.80	ppb	#	97
23) Vinyl Acetate	3.392	43	50991m	5.38	ppb		
24) Diisopropyl ether (DIPE)	3.355	45	151079	5.72	ppb	#	86
25) Ethyl-tert-Butyl ether...	3.675	59	124793	5.50	ppb	#	79
26) cis-1,2-Dichloroethylene	3.856	61	62388	5.08	ppb		88
27) 2-Butanone	3.912	72	3141m	5.22	ppb		
28) 2,2-Dichloropropane	3.826	77	60184	5.07	ppb	#	93
29) Tetrahydrofuran	4.126	42	8305m	4.21	ppb		
30) Bromochloromethane	4.090	49	31942	5.19	ppb	#	74
31) Chloroform	4.157	83	67288	5.26	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	55404	4.98	ppb		100
33) Cyclohexane	4.285	56	78038	5.22	ppb		86
34) 1,1-Dichloropropylene	4.421	75	53947	4.80	ppb		72
36) Carbon Tetrachloride	4.413	117	40152m	4.85	ppb		
37) tert-Amyl alcohol (TAA)	4.699	59	25350m	48.16	ppb		
38) 1,2-Dichloroethane	4.680	62	51667m	6.26	ppb		
39) Benzene	4.621	78	136172	4.29	ppb	#	1
40) tert-Amyl methyl ether...	4.699	73	112464	5.14	ppb	#	91
42) Trichloroethylene	5.211	95	36067	4.99	ppb		79
43) Methyl Cyclohexane	5.336	83	74457	5.38	ppb	#	68
44) Methyl Methacrylate	5.553	69	16638	4.42	ppb	#	82
45) Dibromomethane	5.581	93	18270	5.26	ppb	#	65
46) Bromodichloromethane	5.731	83	40989	5.52	ppb	#	96
47) 1,2-Dichloropropane	5.448	63	36072	5.13	ppb	#	95
48) 1,4-Dioxane	5.609	88	5167m	97.61	ppb		
49) 2-Chloroethyl vinyl ether	6.012	63	17300	5.84	ppb		95
50) 2-nitropropane	5.974	43	1934m	16.59	ppb		
51) cis-1,3-Dichloropropene	6.149	75	52760	4.95	ppb	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

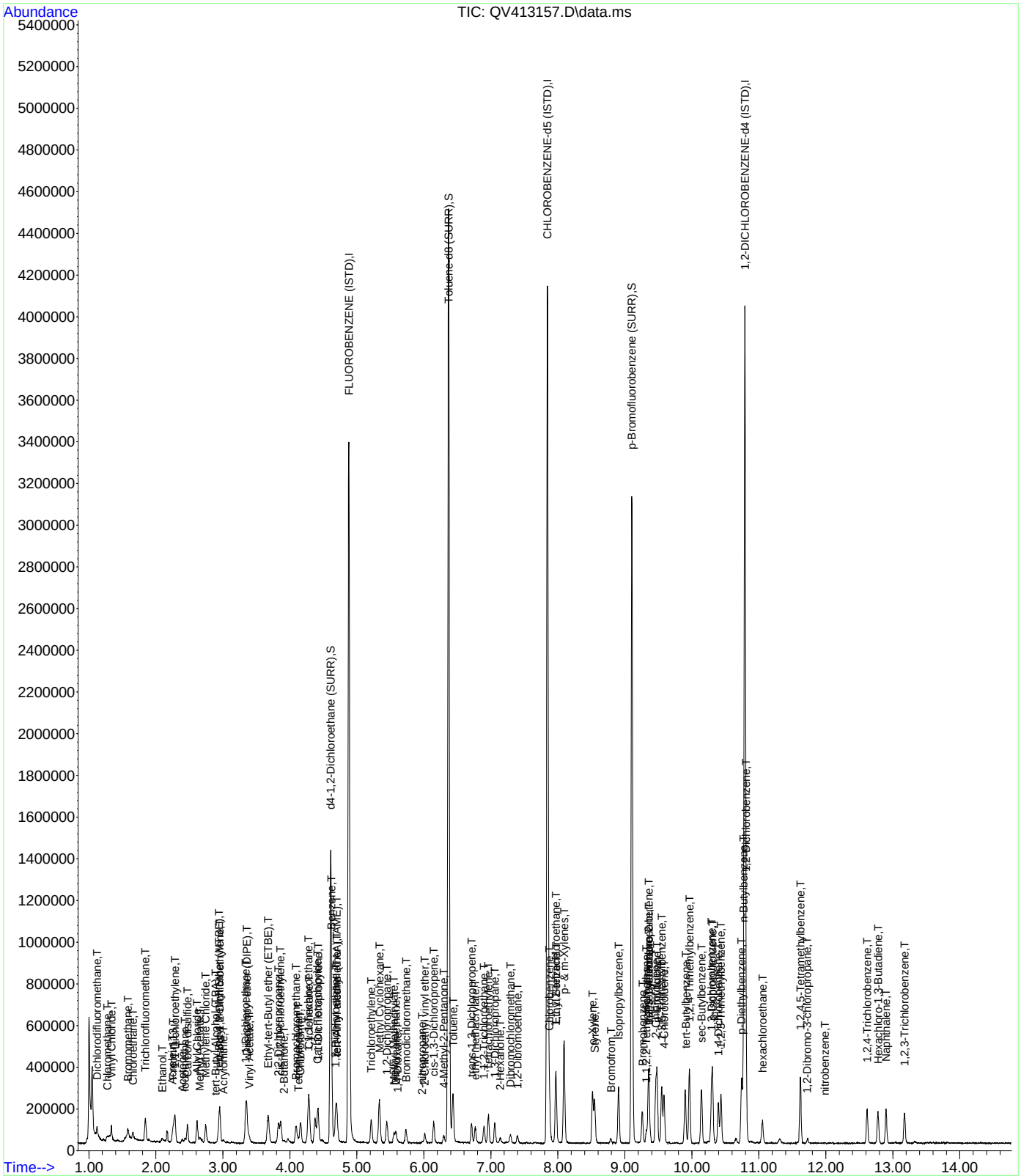
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.766	69	32958	4.60	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	27488	5.14	ppb	#	89
55) Toluene	6.438	91	156268	4.66	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	44809	4.94	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	25806	5.13	ppb	#	81
58) 1,3-Dichloropropane	7.061	76	49491	5.33	ppb	#	88
59) Tetrachloroethylene	6.961	166	32389	4.37	ppb		92
60) 2-Hexanone	7.139	43	19656	5.13	ppb	#	72
61) Dibromochloromethane	7.292	129	20743m	4.54	ppb		
62) 1,2-Dibromoethane	7.395	107	24629	4.80	ppb		96
63) Chlorobenzene	7.874	112	89098	4.56	ppb	#	30
64) 1,1,1,2-tetrachloroethane	7.968	131	24272m	4.43	ppb		
65) Ethyl Benzene	7.971	91	173264	4.89	ppb		94
66) p- & m-Xylenes	8.094	91	279765	10.31	ppb		91
67) o-Xylene	8.516	91	140052	4.99	ppb		97
68) Styrene	8.550	104	96928	4.56	ppb	#	100
69) Bromofrom	8.795	173	7742	4.42	ppb		97
71) p-Ethyltoluene	9.479	105	200457	6.07	ppb	#	97
72) Isopropylbenzene	8.906	105	173933	5.20	ppb	#	93
74) 1,1,2,2-Tetrachloroethane	9.321	83	31036	5.20	ppb	#	100
75) Bromobenzene	9.262	77	67106	5.75	ppb	#	71
76) trans-1,4-Dichloro-2-b...	9.357	75	36770	5.21	ppb	#	47
77) 1,2,3-Trichloropropane	9.357	110	10125	5.59	ppb		92
78) n-Propylbenzene	9.354	91	222757	5.33	ppb		95
79) 2-Chlorotoluene	9.460	91	150675	5.59	ppb		97
80) 4-Chlorotoluene	9.585	91	139547	5.08	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	144515	5.11	ppb		91
82) tert-Butylbenzene	9.908	119	125373	5.08	ppb	#	82
83) 1,2,4-Trimethylbenzene	9.963	105	149560	5.28	ppb		84
84) sec-Butylbenzene	10.141	105	186906	5.14	ppb		93
85) hexachloroethane	11.054	117	12071	4.34	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	66102	4.42	ppb	#	84
87) p-Isopropyltoluene	10.308	119	159943	4.94	ppb	#	91
88) 1,4-Dichlorobenzene	10.397	146	69168	4.72	ppb	#	87
89) 1,2,3-Trimethylbenzene	10.433	105	132964m	5.20	ppb		
90) nitrobenzene	11.986	77	554m	16.80	ppb		
91) p-Diethylbenzene	10.740	105	100293	5.80	ppb		86
92) 1,2-Dichlorobenzene	10.809	146	65375	4.76	ppb	#	87
93) n-Butylbenzene	10.770	91	198955m	5.51	ppb		
94) 1,2-Dibromo-3-chloropr...	11.722	75	5432m	5.43	ppb		
95) 1,2,4,5-Tetramethylben...	11.621	119	169114	5.90	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	42493	4.56	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	24091	4.66	ppb	#	74
98) Naphthalene	12.899	128	116319	5.15	ppb		99
99) 1,2,3-Trichlorobenzene	13.177	180	36994	4.57	ppb		81

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	556556	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1908347	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	860958	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	830031	63.73	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 127.46%#				
54) Toluene-d8 (SURR)	6.369	98	2603850	52.88	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 105.76%				
73) p-Bromofluorobenzene (...	9.103	95	1073017	60.18	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 120.36%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	67875	18.09	ppb		99
3) Chloromethane	1.291	50	119452m	13.29	ppb		
4) Vinyl Chloride	1.335	62	107046	12.86	ppb		100
5) Bromomethane	1.580	94	46392	19.70	ppb		97
6) Allyl Chloride	2.615	76	42603	9.31	ppb	#	100
7) Chloroethane	1.655	64	57810	16.89	ppb		99
8) Trichlorofluoromethane	1.842	101	183574	16.75	ppb		97
9) Ethanol	2.092	45	33025m	557.53	ppb		
10) Freon-113	2.262	101	70428	9.77	ppb	#	91
11) 1,1-Dichloroethylene	2.284	61	146825	12.78	ppb		84
12) Acrolein	2.251	56	9679	17.37	ppb		82
13) Acetone	2.393	43	34609	13.20	ppb	#	42
14) Iodomethane	2.434	142	62642	6.24	ppb	#	20
15) Methyl Acetate	2.657	43	52230	9.76	ppb		94
16) Carbon disulfide	2.471	76	224107	9.46	ppb		100
17) tert-Butyl Alcohol (TBA)	2.899	59	5791m	9.34	ppb		
18) Methylene Chloride	2.743	49	118827	12.14	ppb		86
19) Acrylonitrile	2.999	53	19714	9.74	ppb	#	63
20) trans-1,2-Dichloroethy...	2.952	61	128761	11.49	ppb		90
21) tert-Butyl Methyl Ethe...	2.944	73	213277	11.75	ppb	#	86
22) 1,1-Dichloroethane	3.339	63	167418	11.42	ppb	#	100
23) Vinyl Acetate	3.389	43	102465m	10.68	ppb		
24) Diisopropyl ether (DIPE)	3.355	45	302762	11.31	ppb	#	88
25) Ethyl-tert-Butyl ether...	3.672	59	259529	11.30	ppb	#	79
26) cis-1,2-Dichloroethylene	3.859	61	152888	12.30	ppb		88
27) 2-Butanone	3.909	72	5991m	9.83	ppb		
28) 2,2-Dichloropropane	3.828	77	144415	12.00	ppb	#	77
29) Tetrahydrofuran	4.129	42	22580	11.29	ppb	#	73
30) Bromochloromethane	4.087	49	76455	12.27	ppb	#	82
31) Chloroform	4.157	83	159078	12.29	ppb		100
32) 1,1,1-Trichloroethane	4.273	97	144204	12.79	ppb	#	85
33) Cyclohexane	4.282	56	133857	8.83	ppb		88
34) 1,1-Dichloropropylene	4.424	75	128331	11.27	ppb	#	73
36) Carbon Tetrachloride	4.410	117	100192	11.95	ppb		100
37) tert-Amyl alcohol (TAA)	4.696	59	51384m	96.37	ppb		
38) 1,2-Dichloroethane	4.677	62	122997	14.70	ppb		98
39) Benzene	4.616	78	328263	10.20	ppb	#	15
40) tert-Amyl methyl ether...	4.694	73	228851	10.33	ppb	#	90
42) Trichloroethylene	5.211	95	84093	11.81	ppb		83
43) Methyl Cyclohexane	5.333	83	128254	9.42	ppb	#	73
44) Methyl Methacrylate	5.553	69	43633	11.76	ppb	#	87
45) Dibromomethane	5.578	93	44957	13.15	ppb		91
46) Bromodichloromethane	5.729	83	102780	14.07	ppb		97
47) 1,2-Dichloropropane	5.448	63	86453	12.49	ppb	#	97
48) 1,4-Dioxane	5.612	88	13622m	261.31	ppb		
49) 2-Chloroethyl vinyl ether	6.010	63	30859	10.57	ppb	#	92
50) 2-nitropropane	5.979	43	5411m	37.19	ppb		
51) cis-1,3-Dichloropropene	6.146	75	126875	12.09	ppb		88

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

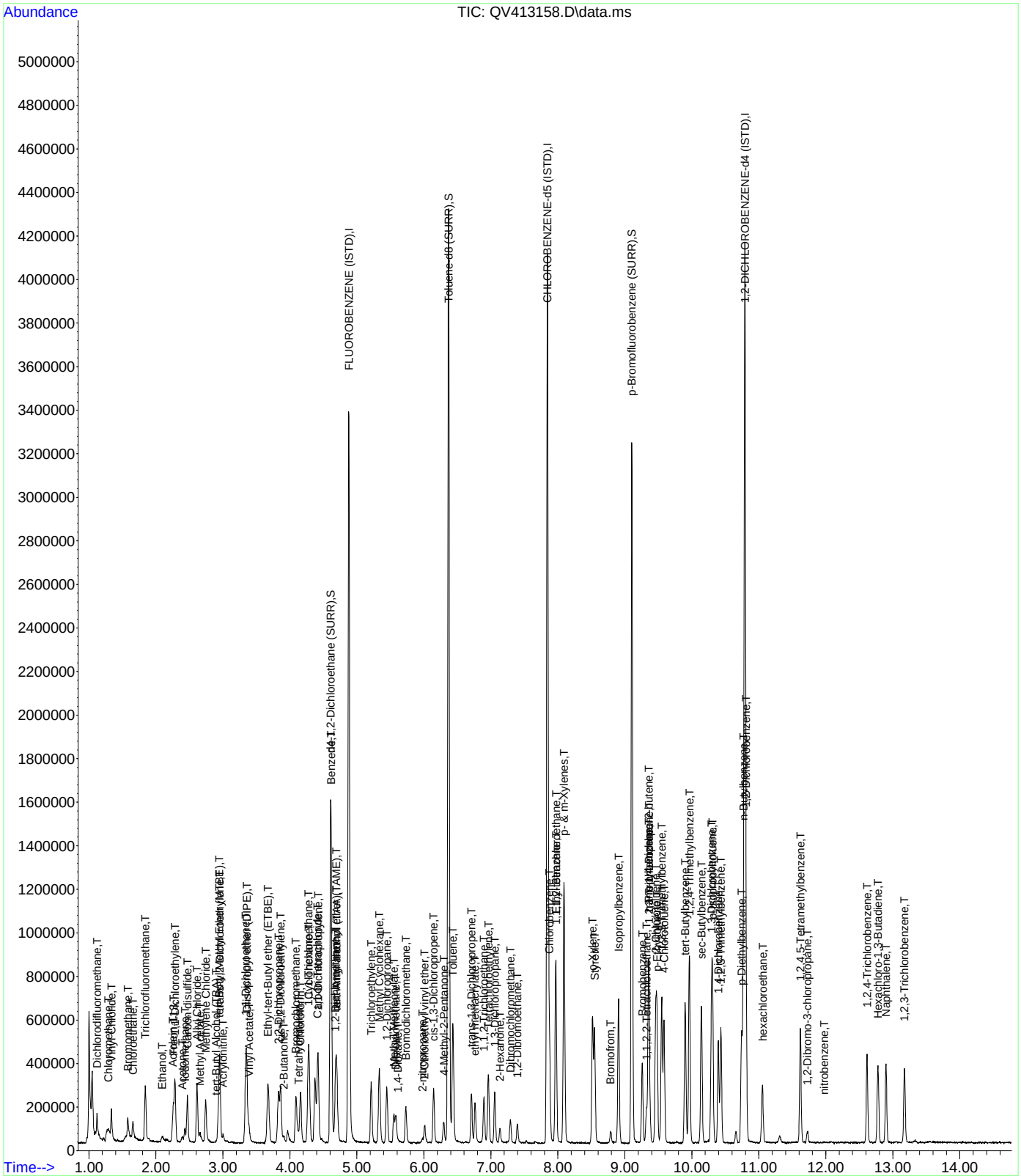
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.761	69	81661	11.58	ppb	#	100
53) 4-Methyl-2-Pentanone	6.299	43	67515	12.81	ppb	#	81
55) Toluene	6.432	91	364377	11.03	ppb		98
56) trans-1,3-Dichloropropene	6.708	75	110312	12.34	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	58061	11.72	ppb		89
58) 1,3-Dichloropropane	7.059	76	115705	12.64	ppb	#	89
59) Tetrachloroethylene	6.964	166	75651	10.37	ppb	#	78
60) 2-Hexanone	7.136	43	45307	12.00	ppb		91
61) Dibromochloromethane	7.292	129	52399	11.65	ppb		95
62) 1,2-Dibromoethane	7.392	107	60230	11.91	ppb		96
63) Chlorobenzene	7.871	112	217491	11.31	ppb	#	74
64) 1,1,1,2-tetrachloroethane	7.974	131	60187	11.15	ppb	#	33
65) Ethyl Benzene	7.971	91	424643	12.17	ppb		94
66) p- & m-Xylenes	8.091	91	682676	25.55	ppb		90
67) o-Xylene	8.516	91	338278	12.23	ppb		96
68) Styrene	8.547	104	231956	11.08	ppb	#	100
69) Bromofrom	8.783	173	22621	12.58	ppb		98
71) p-Ethyltoluene	9.482	105	326779	9.97	ppb	#	97
72) Isopropylbenzene	8.906	105	423491	12.75	ppb	#	91
74) 1,1,2,2-Tetrachloroethane	9.323	83	72307	12.22	ppb	#	100
75) Bromobenzene	9.259	77	157464	13.61	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.354	75	88717	12.66	ppb	#	40
77) 1,2,3-Trichloropropane	9.359	110	24470	13.62	ppb		88
78) n-Propylbenzene	9.357	91	546109	13.17	ppb		94
79) 2-Chlorotoluene	9.460	91	346464	12.95	ppb		97
80) 4-Chlorotoluene	9.585	91	366788	13.46	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	359156m	12.81	ppb		
82) tert-Butylbenzene	9.899	119	301573	12.33	ppb		81
83) 1,2,4-Trimethylbenzene	9.966	105	356895	12.71	ppb		86
84) sec-Butylbenzene	10.144	105	456903	12.66	ppb		93
85) hexachloroethane	11.057	117	35692	12.46	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	159047	10.73	ppb	#	86
87) p-Isopropyltoluene	10.308	119	387646	12.07	ppb	#	92
88) 1,4-Dichlorobenzene	10.394	146	162200	11.15	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.431	105	305623	12.05	ppb	#	92
90) nitrobenzene	11.975	77	1037m	30.31	ppb		
91) p-Diethylbenzene	10.742	105	179936	10.48	ppb	#	21
92) 1,2-Dichlorobenzene	10.809	146	156937	11.53	ppb	#	93
93) n-Butylbenzene	10.770	91	473692m	13.23	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	14694	14.82	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.621	119	284531	10.00	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	101223	10.94	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.776	225	59665	11.62	ppb	#	73
98) Naphthalene	12.898	128	255992	11.42	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	90848	11.31	ppb		77

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	523019	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1843426	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	848827	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	813176	66.43	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 132.86%#				
54) Toluene-d8 (SURR)	6.369	98	2494726	52.44	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 104.88%				
73) p-Bromofluorobenzene (...	9.106	95	1034699	58.86	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 117.72%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	59355m	16.92	ppb		
3) Chloromethane	1.283	50	158310	18.74	ppb	#	54
4) Vinyl Chloride	1.338	62	163485	20.90	ppb		99
5) Bromomethane	1.580	94	66804	30.19	ppb		99
6) Allyl Chloride	2.615	76	85328	19.85	ppb	#	100
7) Chloroethane	1.653	64	101414	31.54	ppb		99
8) Trichlorofluoromethane	1.842	101	330792	32.12	ppb		97
9) Ethanol	2.101	45	83826m	1505.89	ppb		
10) Freon-113	2.265	101	186271	27.48	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	290277	26.88	ppb		91
12) Acrolein	2.248	56	19941	38.08	ppb		93
13) Acetone	2.390	43	62545	25.38	ppb	#	21
14) Iodomethane	2.432	142	139593	14.79	ppb	#	20
15) Methyl Acetate	2.651	43	119800	23.83	ppb		95
16) Carbon disulfide	2.468	76	428019	19.22	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	14300	24.53	ppb	#	1
18) Methylene Chloride	2.743	49	229974	25.00	ppb		87
19) Acrylonitrile	2.999	53	41305	21.71	ppb	#	64
20) trans-1,2-Dichloroethy...	2.952	61	257948	24.49	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	421055	24.68	ppb		99
22) 1,1-Dichloroethane	3.339	63	333893	24.24	ppb	#	96
23) Vinyl Acetate	3.383	43	219314	24.32	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	533707	21.22	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.675	59	464141	21.51	ppb	#	96
26) cis-1,2-Dichloroethylene	3.859	61	304583	26.07	ppb		89
27) 2-Butanone	3.903	72	11317m	19.76	ppb		
28) 2,2-Dichloropropane	3.834	77	299398	26.47	ppb	#	85
29) Tetrahydrofuran	4.126	42	46900m	24.95	ppb		
30) Bromochloromethane	4.084	49	152309	26.01	ppb		81
31) Chloroform	4.157	83	315699	25.95	ppb		99
32) 1,1,1-Trichloroethane	4.271	97	299203	28.24	ppb		99
33) Cyclohexane	4.287	56	320505	22.51	ppb		87
34) 1,1-Dichloropropylene	4.421	75	261117	24.40	ppb		77
36) Carbon Tetrachloride	4.413	117	215745	27.39	ppb		99
37) tert-Amyl alcohol (TAA)	4.694	59	98067	195.73	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	248690	31.64	ppb		99
39) Benzene	4.619	78	664405	21.97	ppb	#	61
40) tert-Amyl methyl ether...	4.696	73	414434	19.91	ppb		97
42) Trichloroethylene	5.214	95	175170	25.46	ppb		81
43) Methyl Cyclohexane	5.334	83	309465	23.52	ppb	#	73
44) Methyl Methacrylate	5.553	69	87712	24.47	ppb	#	81
45) Dibromomethane	5.581	93	89523	27.11	ppb		90
46) Bromodichloromethane	5.729	83	210421	29.81	ppb		99
47) 1,2-Dichloropropane	5.448	63	173721	25.99	ppb	#	81
48) 1,4-Dioxane	5.603	88	21803	432.98	ppb		87
49) 2-Chloroethyl vinyl ether	6.007	63	79967	28.36	ppb		97
50) 2-nitropropane	5.973	43	6652	44.17	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	266121	26.24	ppb		88

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

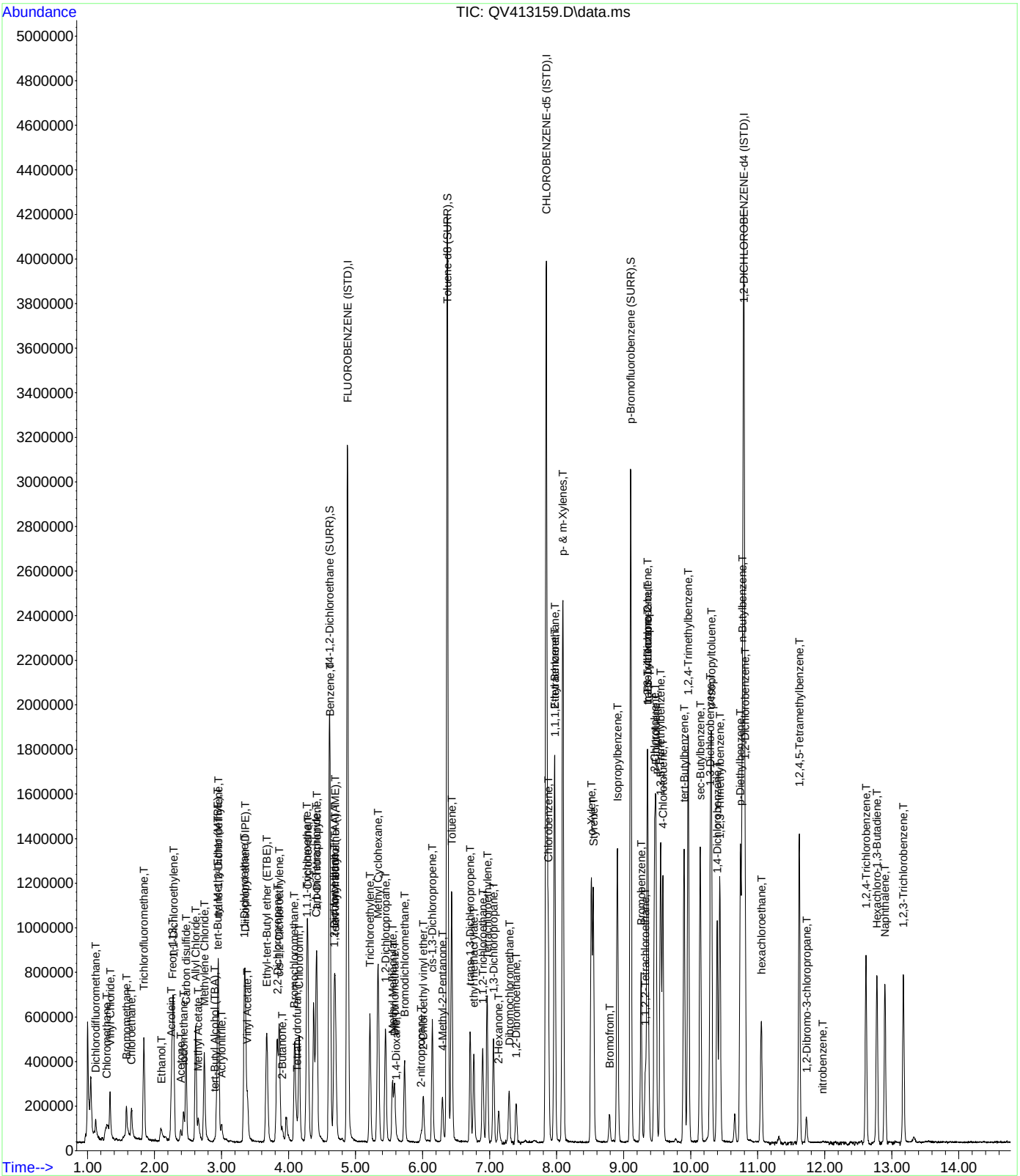
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.764	69	176787	25.94	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	146835	28.85	ppb	#	85
55) Toluene	6.435	91	711883	22.32	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	237503	27.51	ppb		97
57) 1,1,2-Trichloroethane	6.900	97	118530	24.76	ppb		91
58) 1,3-Dichloropropane	7.059	76	235091	26.60	ppb	#	88
59) Tetrachloroethylene	6.967	166	151208	21.45	ppb		92
60) 2-Hexanone	7.134	43	100131	27.47	ppb	#	87
61) Dibromochloromethane	7.295	129	115213	26.51	ppb		97
62) 1,2-Dibromoethane	7.392	107	124717	25.54	ppb		98
63) Chlorobenzene	7.874	112	432016	23.26	ppb	#	85
64) 1,1,1,2-tetrachloroethane	7.974	131	127653	24.48	ppb	#	53
65) Ethyl Benzene	7.968	91	862128	25.58	ppb		93
66) p- & m-Xylenes	8.091	91	1396634	54.11	ppb		90
67) o-Xylene	8.516	91	688651	25.78	ppb		96
68) Styrene	8.547	104	477177	23.59	ppb	#	100
69) Bromofrom	8.792	173	50459	27.11	ppb		99
71) p-Ethyltoluene	9.482	105	834951	25.83	ppb	#	97
72) Isopropylbenzene	8.906	105	866759	26.47	ppb		92
74) 1,1,2,2-Tetrachloroethane	9.320	83	150568	25.80	ppb	#	100
75) Bromobenzene	9.259	77	323901	28.39	ppb	#	72
76) trans-1,4-Dichloro-2-b...	9.357	75	187213	27.11	ppb	#	43
77) 1,2,3-Trichloropropane	9.357	110	49275	27.82	ppb		89
78) n-Propylbenzene	9.354	91	1125518	27.53	ppb		94
79) 2-Chlorotoluene	9.462	91	738025	27.99	ppb		97
80) 4-Chlorotoluene	9.585	91	756597	28.17	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	738072m	26.70	ppb		
82) tert-Butylbenzene	9.902	119	616442	25.56	ppb		82
83) 1,2,4-Trimethylbenzene	9.960	105	746345	26.96	ppb		87
84) sec-Butylbenzene	10.141	105	943153	26.51	ppb		93
85) hexachloroethane	11.054	117	85757	28.27	ppb	#	100
86) 1,3-Dichlorobenzene	10.291	146	330580	22.63	ppb	#	87
87) p-Isopropyltoluene	10.308	119	822343	25.97	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	327667	22.86	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	690302m	27.60	ppb		
90) nitrobenzene	11.966	77	1970m	54.22	ppb		
91) p-Diethylbenzene	10.739	105	440860	26.05	ppb	#	20
92) 1,2-Dichlorobenzene	10.812	146	308241m	22.96	ppb		
93) n-Butylbenzene	10.770	91	997651m	28.26	ppb		
94) 1,2-Dibromo-3-chloropr...	11.730	75	31670m	32.40	ppb		
95) 1,2,4,5-Tetramethylben...	11.621	119	720183	25.67	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	211691	23.20	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.776	225	122226	24.15	ppb	#	77
98) Naphthalene	12.896	128	514109	23.26	ppb		100
99) 1,2,3-Trichlorobenzene	13.174	180	182443	23.03	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	533670	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1885854	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	892068	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	831876	66.61	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 133.22%#				
54) Toluene-d8 (SURR)	6.368	98	2524032	51.87	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.74%				
73) p-Bromofluorobenzene (...	9.103	95	1062200	57.50	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 115.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	210616m	51.41	ppb		
3) Chloromethane	1.288	50	460607	53.45	ppb	#	72
4) Vinyl Chloride	1.335	62	447514	56.07	ppb		99
5) Bromomethane	1.580	94	190736	84.47	ppb		93
6) Allyl Chloride	2.612	76	202842	46.24	ppb	#	100
7) Chloroethane	1.655	64	273161	83.25	ppb		99
8) Trichlorofluoromethane	1.842	101	825505	78.55	ppb		97
9) Ethanol	2.095	45	184843	3254.33	ppb		82
10) Freon-113	2.265	101	432539	62.55	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	655523	59.48	ppb		90
12) Acrolein	2.251	56	42433	79.41	ppb		96
13) Acetone	2.390	43	136784	54.39	ppb	#	21
14) Iodomethane	2.434	142	364335	37.84	ppb	#	20
15) Methyl Acetate	2.654	43	267164	52.09	ppb		95
16) Carbon disulfide	2.470	76	993099	43.71	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	34398	57.83	ppb	#	1
18) Methylene Chloride	2.740	49	538126	57.33	ppb		86
19) Acrylonitrile	2.996	53	93885	48.36	ppb	#	88
20) trans-1,2-Dichloroethy...	2.952	61	579976	53.96	ppb		91
21) tert-Butyl Methyl Ethe...	2.943	73	1013021	58.19	ppb		99
22) 1,1-Dichloroethane	3.339	63	780541	55.54	ppb	#	99
23) Vinyl Acetate	3.389	43	548808	59.64	ppb		100
24) Diisopropyl ether (DIPE)	3.352	45	1558655	60.72	ppb		96
25) Ethyl-tert-Butyl ether...	3.672	59	1363843	61.93	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	705532	59.19	ppb		89
27) 2-Butanone	3.901	72	27093	46.37	ppb	#	1
28) 2,2-Dichloropropane	3.828	77	709739	61.50	ppb		96
29) Tetrahydrofuran	4.123	42	109043	56.86	ppb		76
30) Bromochloromethane	4.087	49	357904	59.90	ppb	#	67
31) Chloroform	4.159	83	757648	61.02	ppb	#	72
32) 1,1,1-Trichloroethane	4.273	97	702005	64.93	ppb	#	85
33) Cyclohexane	4.287	56	771681	53.11	ppb		87
34) 1,1-Dichloropropylene	4.421	75	595667	54.55	ppb		82
36) Carbon Tetrachloride	4.410	117	530949	66.06	ppb	#	92
37) tert-Amyl alcohol (TAA)	4.685	59	299529	585.88	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	595097	74.19	ppb		99
39) Benzene	4.618	78	1521438	49.30	ppb	#	84
40) tert-Amyl methyl ether...	4.696	73	1241464	58.46	ppb	#	92
42) Trichloroethylene	5.211	95	417880	59.38	ppb		79
43) Methyl Cyclohexane	5.336	83	757680	56.29	ppb	#	73
44) Methyl Methacrylate	5.550	69	217481	59.30	ppb	#	96
45) Dibromomethane	5.581	93	213673	63.25	ppb	#	65
46) Bromodichloromethane	5.731	83	530615	73.49	ppb		98
47) 1,2-Dichloropropane	5.445	63	400690	58.60	ppb	#	81
48) 1,4-Dioxane	5.601	88	57297	1112.24	ppb		88
49) 2-Chloroethyl vinyl ether	6.010	63	198790	68.91	ppb		97
50) 2-nitropropane	5.982	43	24037m	101.07	ppb		
51) cis-1,3-Dichloropropene	6.146	75	650556	62.71	ppb		87

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

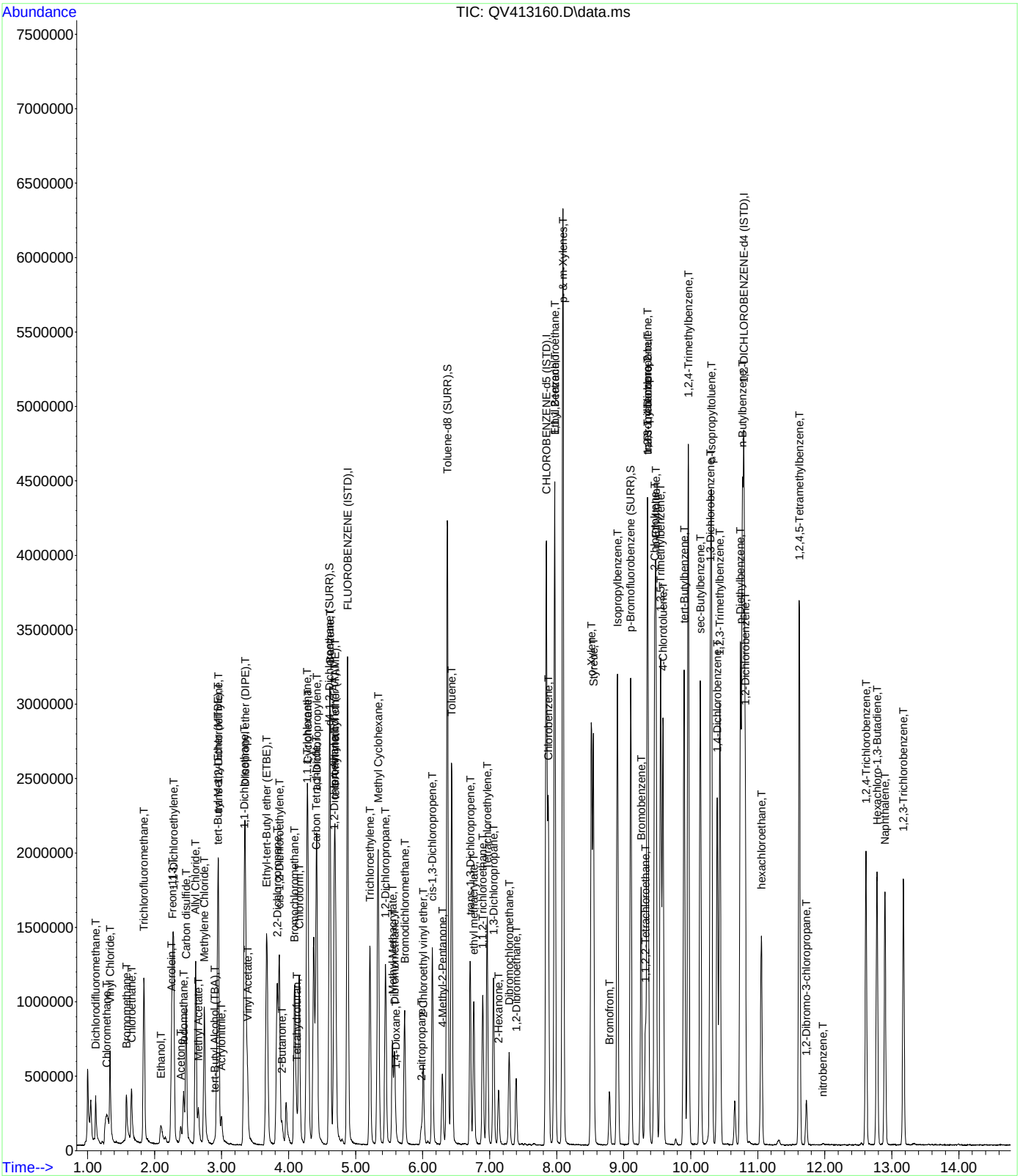
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.763	69	430456	61.75	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	342314	65.74	ppb	#	85
55) Toluene	6.432	91	1653399	50.67	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	593533	67.21	ppb		97
57) 1,1,2-Trichloroethane	6.894	97	276921	56.55	ppb		91
58) 1,3-Dichloropropane	7.058	76	555817	61.47	ppb	#	88
59) Tetrachloroethylene	6.964	166	352252	48.85	ppb	#	72
60) 2-Hexanone	7.134	43	250440	67.15	ppb		92
61) Dibromochloromethane	7.292	129	305701	68.76	ppb		97
62) 1,2-Dibromoethane	7.395	107	293446	58.74	ppb		99
63) Chlorobenzene	7.876	112	1022843	53.84	ppb	#	82
64) 1,1,1,2-tetrachloroethane	7.971	131	336233	63.03	ppb	#	53
65) Ethyl Benzene	7.971	91	2070860	60.06	ppb		94
66) p- & m-Xylenes	8.093	91	3424188	129.67	ppb		90
67) o-Xylene	8.516	91	1664719	60.92	ppb		96
68) Styrene	8.547	104	1155617	55.85	ppb	#	100
69) Bromofrom	8.786	173	145563	65.13	ppb	#	80
71) p-Ethyltoluene	9.482	105	2124898	62.55	ppb	#	97
72) Isopropylbenzene	8.906	105	2083328	60.54	ppb		92
74) 1,1,2,2-Tetrachloroethane	9.323	83	365197	59.55	ppb	#	100
75) Bromobenzene	9.259	77	762891	63.63	ppb	#	73
76) trans-1,4-Dichloro-2-b...	9.354	75	466065	64.21	ppb	#	53
77) 1,2,3-Trichloropropane	9.354	110	125625	67.49	ppb		92
78) n-Propylbenzene	9.357	91	2719605	63.29	ppb		94
79) 2-Chlorotoluene	9.462	91	1790094	64.60	ppb		97
80) 4-Chlorotoluene	9.585	91	1791809	63.48	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	1795707m	61.81	ppb		
82) tert-Butylbenzene	9.902	119	1499059	59.14	ppb		82
83) 1,2,4-Trimethylbenzene	9.963	105	1838657	63.21	ppb		87
84) sec-Butylbenzene	10.144	105	2247175	60.11	ppb		92
85) hexachloroethane	11.054	117	249619	67.02	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	818446	53.30	ppb	#	87
87) p-Isopropyltoluene	10.308	119	2019188	60.67	ppb		91
88) 1,4-Dichlorobenzene	10.397	146	782836	51.96	ppb	#	87
89) 1,2,3-Trimethylbenzene	10.433	105	1707250	64.95	ppb		92
90) nitrobenzene	11.969	77	4185m	97.10	ppb		
91) p-Diethylbenzene	10.739	105	1113644	62.62	ppb	#	22
92) 1,2-Dichlorobenzene	10.814	146	753776m	53.43	ppb		
93) n-Butylbenzene	10.770	91	2427342m	65.43	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	80851	78.70	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1916784	65.01	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	495489	51.68	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.781	225	297119	55.87	ppb	#	78
98) Naphthalene	12.898	128	1206299	51.93	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	435182	52.28	ppb		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	540529	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1935829	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1011578	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	867822	68.60	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 137.20%#				
54) Toluene-d8 (SURR)	6.368	98	2578562	51.62	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.24%				
73) p-Bromofluorobenzene (...	9.106	95	1107214	52.85	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 105.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	719699	133.40	ppb		100
3) Chloromethane	1.288	50	1196477	137.07	ppb	#	96
4) Vinyl Chloride	1.338	62	1146803	141.86	ppb		100
5) Bromomethane	1.583	94	463694	202.76	ppb		98
6) Allyl Chloride	2.612	76	463988	104.44	ppb	#	100
7) Chloroethane	1.658	64	632399	190.29	ppb		100
8) Trichlorofluoromethane	1.842	101	1923381	180.70	ppb		97
9) Ethanol	2.095	45	426413	7412.12	ppb		82
10) Freon-113	2.262	101	921625	131.58	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	1485424	133.08	ppb		92
12) Acrolein	2.251	56	40754	75.30	ppb		91
13) Acetone	2.393	43	282221	110.79	ppb	#	41
14) Iodomethane	2.434	142	871874	89.40	ppb	#	20
15) Methyl Acetate	2.654	43	533486	102.69	ppb		95
16) Carbon disulfide	2.470	76	2451328	106.53	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	65617	108.91	ppb	#	1
18) Methylene Chloride	2.743	49	1167724	122.83	ppb		86
19) Acrylonitrile	2.999	53	209022	106.31	ppb	#	90
20) trans-1,2-Dichloroethy...	2.952	61	1330586	122.23	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	2217906	125.79	ppb	#	92
22) 1,1-Dichloroethane	3.341	63	1736485	122.00	ppb	#	99
23) Vinyl Acetate	3.383	43	1222086	131.12	ppb		100
24) Diisopropyl ether (DIPE)	3.352	45	3208212	123.40	ppb		96
25) Ethyl-tert-Butyl ether...	3.672	59	2783527	124.80	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	1558869	129.12	ppb		89
27) 2-Butanone	3.903	72	57600	97.34	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	1602799	137.11	ppb		97
29) Tetrahydrofuran	4.120	42	235142	121.06	ppb		76
30) Bromochloromethane	4.084	49	778459	128.64	ppb		82
31) Chloroform	4.159	83	1645732	130.87	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	1626837	148.55	ppb	#	85
33) Cyclohexane	4.287	56	1657381	112.62	ppb		88
34) 1,1-Dichloropropylene	4.421	75	1388049	125.51	ppb		87
36) Carbon Tetrachloride	4.412	117	1310335	160.97	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	626132	1209.18	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	1312906	161.61	ppb		99
39) Benzene	4.621	78	3373546	107.93	ppb	#	94
40) tert-Amyl methyl ether...	4.694	73	2591957	120.52	ppb	#	90
42) Trichloroethylene	5.214	95	928200	128.49	ppb		80
43) Methyl Cyclohexane	5.336	83	1598981	115.73	ppb	#	73
44) Methyl Methacrylate	5.548	69	454857	120.83	ppb	#	81
45) Dibromomethane	5.578	93	459120	132.39	ppb		91
46) Bromodichloromethane	5.731	83	1187458	160.22	ppb		98
47) 1,2-Dichloropropane	5.447	63	863787	123.07	ppb	#	96
48) 1,4-Dioxane	5.595	88	109027	2061.78	ppb		83
49) 2-Chloroethyl vinyl ether	6.007	63	351044	118.54	ppb		97
50) 2-nitropropane	5.979	43	71336	189.12	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	1443654	135.56	ppb		88

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

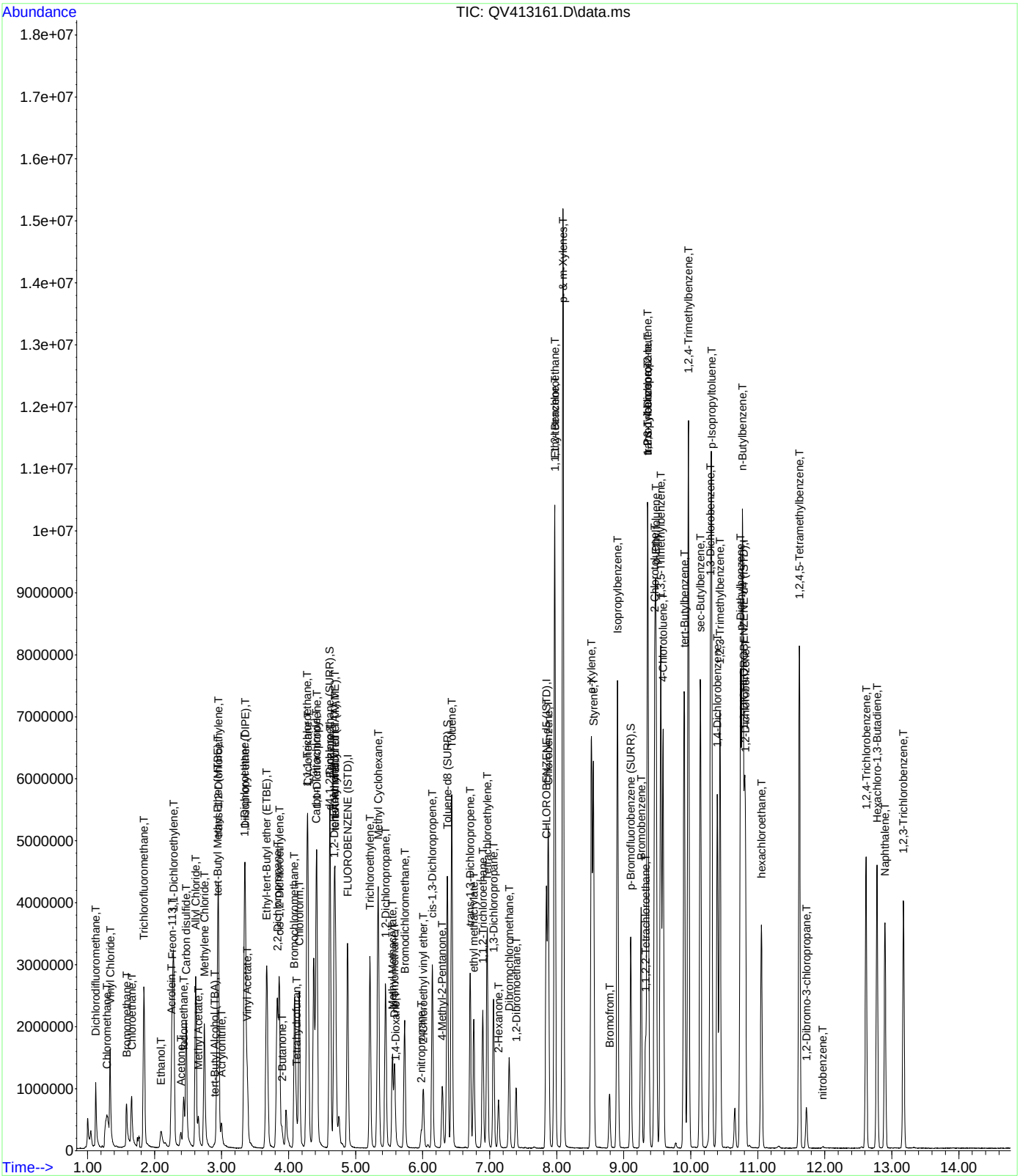
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.763	69	911549	127.38	ppb	#	100
53) 4-Methyl-2-Pentanone	6.290	43	712389	133.28	ppb		91
55) Toluene	6.435	91	3672032	109.62	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	1347261	148.61	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	600384	119.43	ppb		92
58) 1,3-Dichloropropane	7.058	76	1190002	128.20	ppb	#	89
59) Tetrachloroethylene	6.964	166	817460	110.43	ppb	#	78
60) 2-Hexanone	7.134	43	518962	135.55	ppb		91
61) Dibromochloromethane	7.292	129	706039	154.71	ppb		96
62) 1,2-Dibromoethane	7.398	107	621677	121.23	ppb		100
63) Chlorobenzene	7.876	112	2311932	118.56	ppb		86
64) 1,1,1,2-tetrachloroethane	7.974	131	834219	152.34	ppb	#	52
65) Ethyl Benzene	7.971	91	4882429	137.96	ppb		93
66) p- & m-Xylenes	8.093	91	8233649	303.76	ppb		90
67) o-Xylene	8.516	91	3830547	136.56	ppb		96
68) Styrene	8.550	104	2637938	124.19	ppb	#	100
69) Bromofrom	8.792	173	356969	125.84	ppb	#	81
71) p-Ethyltoluene	9.482	105	4875659	126.58	ppb	#	97
72) Isopropylbenzene	8.909	105	4865131	124.68	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.326	83	811192	116.66	ppb	#	100
75) Bromobenzene	9.259	77	1736694	127.74	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.357	75	1091077	132.56	ppb	#	50
77) 1,2,3-Trichloropropane	9.357	110	283228	134.19	ppb		87
78) n-Propylbenzene	9.357	91	6459840	132.56	ppb		94
79) 2-Chlorotoluene	9.462	91	4193191	133.44	ppb		97
80) 4-Chlorotoluene	9.587	91	4253529	132.89	ppb		81
81) 1,3,5-Trimethylbenzene	9.554	105	4293506m	130.33	ppb		
82) tert-Butylbenzene	9.905	119	3560949	123.89	ppb		83
83) 1,2,4-Trimethylbenzene	9.966	105	4551305	137.97	ppb		87
84) sec-Butylbenzene	10.144	105	5310146	125.26	ppb		93
85) hexachloroethane	11.054	117	683456	130.80	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	2052643	117.88	ppb	#	89
87) p-Isopropyltoluene	10.311	119	5104587	135.25	ppb		93
88) 1,4-Dichlorobenzene	10.397	146	1897785	111.08	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	3964306	132.99	ppb		92
90) nitrobenzene	11.966	77	8038m	145.66	ppb		
91) p-Diethylbenzene	10.742	105	2583340	128.10	ppb	#	21
92) 1,2-Dichlorobenzene	10.814	146	1772356	110.80	ppb	#	88
93) n-Butylbenzene	10.770	91	5749669m	136.67	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	183934	157.90	ppb	#	72
95) 1,2,4,5-Tetramethylben...	11.621	119	4364625	130.55	ppb		89
96) 1,2,4-Trichlorobenzene	12.617	180	1162513	106.92	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.781	225	717770	119.02	ppb	#	79
98) Naphthalene	12.898	128	2605002	98.90	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	982270	104.06	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.883	70	559479	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2092222	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.795	152	1201745	50.00	ppb		# 0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	929257	70.97	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 141.94%#				
54) Toluene-d8 (SURR)	6.371	98	2697782	49.97	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.94%				
73) p-Bromofluorobenzene (...	9.106	95	1204552	48.40	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 96.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	1409557	208.40	ppb		100
3) Chloromethane	1.296	50	2315920	256.34	ppb	#	96
4) Vinyl Chloride	1.338	62	2223384	265.71	ppb		100
5) Bromomethane	1.583	94	993266	419.61	ppb		99
6) Allyl Chloride	2.612	76	968549	210.63	ppb	#	100
7) Chloroethane	1.658	64	1217002	353.80	ppb		100
8) Trichlorofluoromethane	1.842	101	3687782	334.73	ppb		98
9) Ethanol	2.098	45	747086	12546.37	ppb		82
10) Freon-113	2.265	101	1831196	252.59	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	2973837	257.41	ppb		93
12) Acrolein	2.251	56	93481	166.87	ppb		94
13) Acetone	2.393	43	482246	182.90	ppb	#	41
14) Iodomethane	2.434	142	1769974	175.35	ppb	#	20
15) Methyl Acetate	2.654	43	1026321	190.86	ppb		96
16) Carbon disulfide	2.473	76	5017326	210.65	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	127077	203.78	ppb	#	1
18) Methylene Chloride	2.740	49	2333668	237.16	ppb		86
19) Acrylonitrile	2.996	53	411295	202.09	ppb		97
20) trans-1,2-Dichloroethy...	2.955	61	2677041	237.58	ppb	#	83
21) tert-Butyl Methyl Ethe...	2.944	73	4637000	254.08	ppb		99
22) 1,1-Dichloroethane	3.339	63	3563637	241.90	ppb	#	99
23) Vinyl Acetate	3.383	43	2280543	236.40	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	6606139	245.49	ppb		96
25) Ethyl-tert-Butyl ether...	3.675	59	5744961	248.84	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	3160175	252.88	ppb		89
27) 2-Butanone	3.901	72	122173	199.47	ppb	#	1
28) 2,2-Dichloropropane	3.834	77	3320537	274.44	ppb		98
29) Tetrahydrofuran	4.115	42	447162	222.41	ppb		75
30) Bromochloromethane	4.087	49	1524297	243.35	ppb		84
31) Chloroform	4.159	83	3395826	260.90	ppb	#	93
32) 1,1,1-Trichloroethane	4.276	97	3475657	306.63	ppb	#	85
33) Cyclohexane	4.287	56	3342942	219.47	ppb		90
34) 1,1-Dichloropropylene	4.424	75	2842933	248.36	ppb		92
36) Carbon Tetrachloride	4.413	117	2886492	342.59	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	1295779	2417.63	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	2723218	323.85	ppb	#	98
39) Benzene	4.618	78	6950372	214.82	ppb	#	98
40) tert-Amyl methyl ether...	4.696	73	5450147	244.83	ppb	#	90
42) Trichloroethylene	5.214	95	1908706	244.47	ppb		81
43) Methyl Cyclohexane	5.336	83	3268729	218.89	ppb	#	75
44) Methyl Methacrylate	5.551	69	931580	228.97	ppb	#	97
45) Dibromomethane	5.581	93	950593	253.62	ppb		92
46) Bromodichloromethane	5.731	83	2503048	312.49	ppb		98
47) 1,2-Dichloropropane	5.448	63	1758828	231.86	ppb	#	81
48) 1,4-Dioxane	5.595	88	232062	4060.42	ppb		86
49) 2-Chloroethyl vinyl ether	6.012	63	541300	169.13	ppb		97
50) 2-nitropropane	5.979	43	168531	292.40	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	3003718	260.97	ppb		89

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

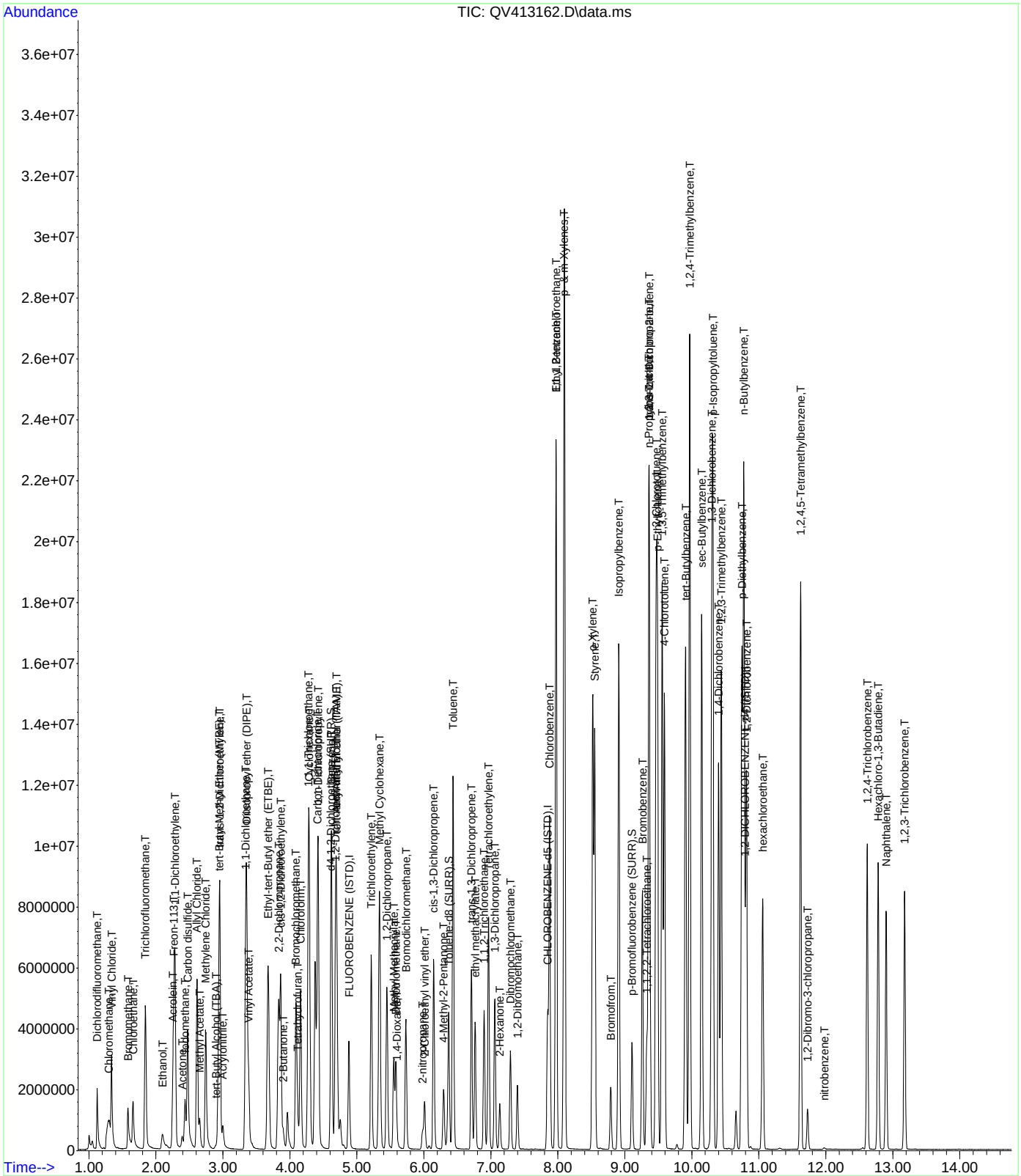
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.766	69	1869079	241.66	ppb	#	100
53) 4-Methyl-2-Pentanone	6.293	43	1391966	240.95	ppb		90
55) Toluene	6.435	91	7786718	215.07	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	2834323	289.28	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	1239905	228.22	ppb		93
58) 1,3-Dichloropropane	7.059	76	2457607	244.98	ppb	#	90
59) Tetrachloroethylene	6.964	166	1767067	220.87	ppb		93
60) 2-Hexanone	7.134	43	998061	241.21	ppb		92
61) Dibromochloromethane	7.292	129	1562265	316.74	ppb		97
62) 1,2-Dibromoethane	7.395	107	1310710	236.49	ppb		98
63) Chlorobenzene	7.876	112	5009764	237.70	ppb		89
64) 1,1,1,2-tetrachloroethane	7.974	131	1963863	331.82	ppb	#	52
65) Ethyl Benzene	7.974	91	10859690	283.91	ppb		94
66) p- & m-Xylenes	8.091	91	15804035m	539.47	ppb		
67) o-Xylene	8.519	91	8497097	280.27	ppb		96
68) Styrene	8.550	104	5917033	257.75	ppb	#	100
69) Bromofrom	8.789	173	836494	213.69	ppb	#	81
71) p-Ethyltoluene	9.487	105	11121575	243.04	ppb	#	97
72) Isopropylbenzene	8.909	105	10897936	235.08	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.326	83	1701930	206.02	ppb	#	100
75) Bromobenzene	9.262	77	3739488	231.53	ppb		76
76) trans-1,4-Dichloro-2-b...	9.362	75	2425712	248.08	ppb	#	55
77) 1,2,3-Trichloropropane	9.359	110	653858	260.77	ppb		92
78) n-Propylbenzene	9.357	91	14020707	242.19	ppb		96
79) 2-Chlorotoluene	9.468	91	9531367	255.32	ppb		97
80) 4-Chlorotoluene	9.590	91	9483736	249.40	ppb		81
81) 1,3,5-Trimethylbenzene	9.557	105	9915053m	253.35	ppb		
82) tert-Butylbenzene	9.908	119	8205546	240.30	ppb		85
83) 1,2,4-Trimethylbenzene	9.969	105	10492186	267.74	ppb		89
84) sec-Butylbenzene	10.147	105	11988631	238.04	ppb		94
85) hexachloroethane	11.057	117	1666586	214.52	ppb	#	100
86) 1,3-Dichlorobenzene	10.297	146	4896501	236.70	ppb	#	91
87) p-Isopropyltoluene	10.314	119	11753190	262.13	ppb		94
88) 1,4-Dichlorobenzene	10.400	146	4392215	216.40	ppb	#	91
89) 1,2,3-Trimethylbenzene	10.439	105	8700103	245.67	ppb		92
90) nitrobenzene	11.977	77	17440m	224.42	ppb		
91) p-Diethylbenzene	10.748	105	5703187	238.05	ppb	#	22
92) 1,2-Dichlorobenzene	10.817	146	4067174	214.02	ppb	#	88
93) n-Butylbenzene	10.776	91	12491077m	249.93	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	378060	273.19	ppb	#	71
95) 1,2,4,5-Tetramethylben...	11.624	119	9746929	245.40	ppb		90
96) 1,2,4-Trichlorobenzene	12.620	180	2575083	199.36	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	1609458	224.64	ppb		81
98) Naphthalene	12.901	128	5530926	176.76	ppb		98
99) 1,2,3-Trichlorobenzene	13.177	180	2149533	191.69	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913273.D
Acq On : 26 Aug 2020 2:44 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9081920A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 10:14:08 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	199784	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	718935	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	194340	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	172784	7.54	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 75.40%				
51) Toluene-d8 (SURR)	7.289	98	1014154	10.75	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 107.50%				
70) p-Bromofluorobenzene (...	10.082	95	343875	10.52	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	8771	0.73	ppb	#	1
3) Chloromethane	1.727	50	13721	2.91	ppb		93
4) Vinyl Chloride	1.835	62	10655	0.85	ppb	#	98
5) Bromomethane	2.149	94	5971	1.19	ppb		95
6) Chloroethane	2.259	64	6827	0.88	ppb	#	20
7) Trichlorofluoromethane	2.512	101	13825	0.61	ppb	#	20
8) Ethanol	2.628	45	1328m	46.10	ppb		
9) Freon-113	3.018	101	8137m	0.64	ppb		
10) 1,1-Dichloroethylene	3.003	61	14636	0.68	ppb	#	85
11) Acrolein	2.893	56	353m	0.31	ppb		
12) Acetone	3.006	43	4274	2.72	ppb	#	1
13) Iodomethane	3.143	142	6801	0.58	ppb	#	77
14) Methyl Acetate	3.320	43	2323	0.47	ppb	#	1
15) Carbon disulfide	3.236	76	21258	0.59	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.526	59	948m	1.31	ppb		
17) Methylene Chloride	3.462	49	11140	0.64	ppb	#	85
18) Acrylonitrile	3.640	53	1462m	0.56	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	13306	0.61	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.727	73	12710	0.30	ppb		99
21) 1,1-Dichloroethane	4.134	63	17832	0.59	ppb	#	99
22) Vinyl Acetate	4.116	43	6165	0.42	ppb	#	1
23) Diisopropyl ether (DIPE)	4.180	45	27031	0.57	ppb	#	51
24) Ethyl-tert-Butyl ether...	4.517	59	22234	0.39	ppb	#	95
25) cis-1,2-Dichloroethylene	4.654	61	15912	0.59	ppb	#	88
26) 2-Butanone	4.598	72	347m	0.37	ppb		
27) 2,2-Dichloropropane	4.665	77	11686m	0.39	ppb		
28) Tetrahydrofuran	4.901	42	945m	0.50	ppb		
29) Bromochloromethane	4.877	49	7000	0.67	ppb	#	33
30) Chloroform	4.970	83	16067	0.47	ppb	#	97
31) 1,1,1-Trichloroethane	5.148	97	14639	0.47	ppb	#	26
32) Cyclohexane	5.252	56	43996	0.81	ppb	#	82
33) 1,1-Dichloropropylene	5.293	75	12973	0.56	ppb	#	52
35) Carbon Tetrachloride	5.308	117	12391	0.49	ppb	#	97
36) tert-Amyl alcohol (TAA)	5.438	59	2306	2.59	ppb	#	1
37) 1,2-Dichloroethane	5.499	62	8320m	0.38	ppb		
38) Benzene	5.467	78	34849	0.51	ppb	#	98
39) tert-Amyl methyl ether...	5.601	73	14772	0.30	ppb	#	1
41) Trichloroethylene	6.101	95	8804	0.51	ppb	#	79
42) Methyl Cyclohexane	6.360	83	17055	0.69	ppb	#	57
43) Methyl Methacrylate	6.365	69	5740m	0.49	ppb		
44) Dibromomethane	6.418	93	3259	0.41	ppb	#	61
45) Bromodichloromethane	6.580	83	9991	0.42	ppb	#	97
46) 1,2-Dichloropropane	6.333	63	9447	0.62	ppb	#	84
47) 1,4-Dioxane	6.394	88	296	4.83	ppb		98
49) cis-1,3-Dichloropropene	7.008	75	10904	0.41	ppb	#	59
50) 4-Methyl-2-Pentanone	7.127	43	3269	0.45	ppb	#	96
52) Toluene	7.359	91	43286	0.60	ppb		100

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913273.D
Acq On : 26 Aug 2020 2:44 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9081920A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 10:14:08 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

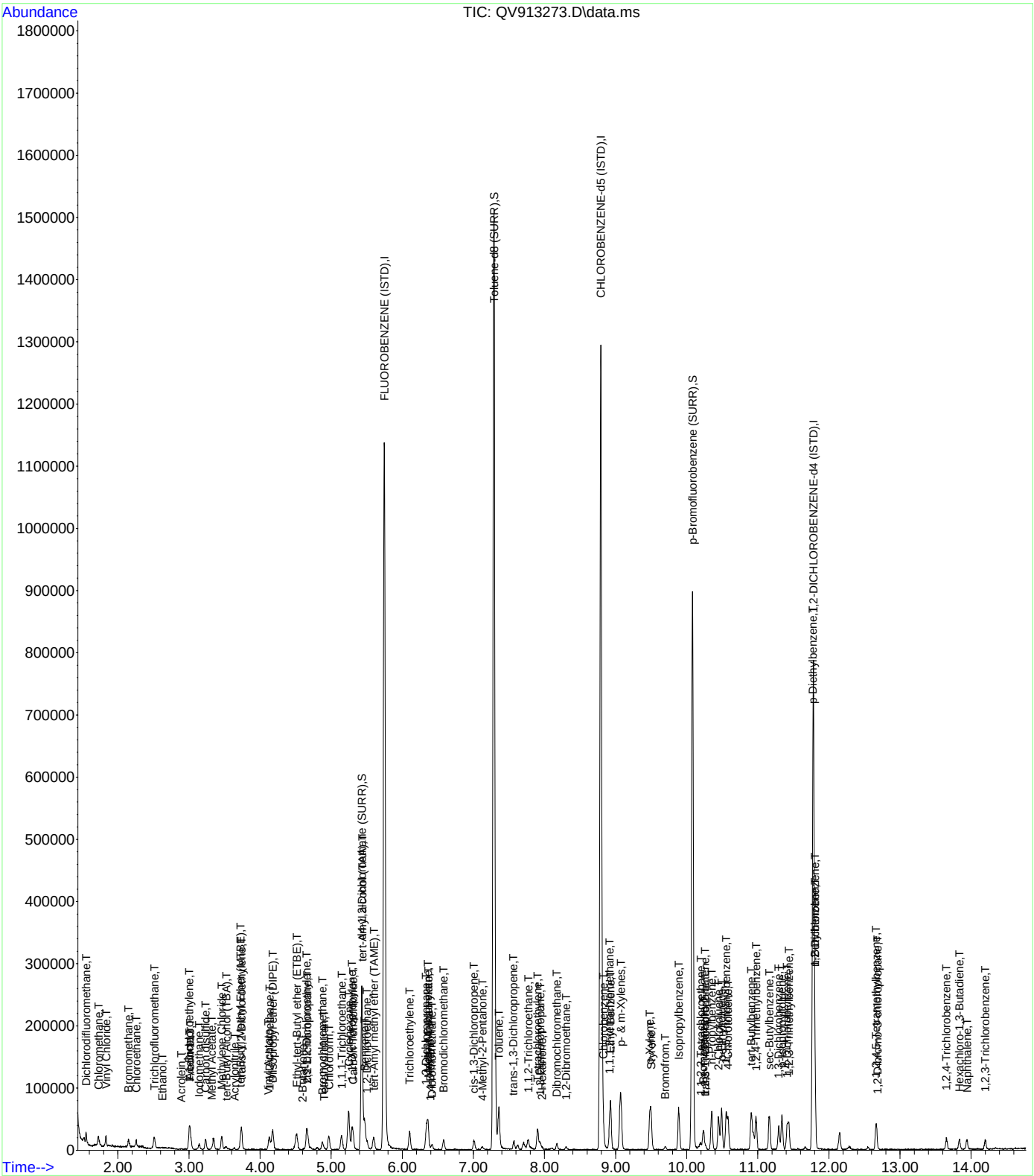
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.563	75	7779	0.34	ppb	#	89
54) 1,1,2-Trichloroethane	7.772	97	4406	0.39	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	7387	0.37	ppb	#	95
56) Tetrachloroethylene	7.903	166	9222	0.57	ppb	#	100
57) 2-Hexanone	7.964	43	2014	0.43	ppb	#	43
58) Dibromochloromethane	8.173	129	4354	0.32	ppb	#	65
59) 1,2-Dibromoethane	8.307	107	3550	0.33	ppb		72
60) Chlorobenzene	8.827	112	23131	0.50	ppb	#	85
61) 1,1,1,2-tetrachloroethane	8.914	131	7089	0.43	ppb	#	49
62) Ethyl Benzene	8.928	91	45513	0.55	ppb		97
63) p- & m-Xylenes	9.074	91	69906m	1.05	ppb		
64) o-Xylene	9.481	91	34653	0.50	ppb		95
65) Styrene	9.504	104	20661	0.42	ppb	#	82
66) Bromofrom	9.698	173	2407	0.32	ppb	#	81
68) p-Ethyltoluene	10.492	105	41950	0.63	ppb	#	97
69) Isopropylbenzene	9.887	105	44423	0.60	ppb		95
71) 1,1,2,2-Tetrachloroethane	10.198	83	3775	0.38	ppb	#	80
72) Bromobenzene	10.233	77	14287	0.47	ppb	#	75
73) trans-1,4-Dichloro-2-b...	10.259	75	5457m	0.68	ppb		
74) 1,2,3-Trichloropropane	10.259	110	951m	0.30	ppb		
75) n-Propylbenzene	10.352	91	51483	0.60	ppb	#	90
76) 2-Chlorotoluene	10.448	91	32695	0.59	ppb		98
77) 4-Chlorotoluene	10.579	91	33970m	0.54	ppb		
78) 1,3,5-Trimethylbenzene	10.556	105	33989	0.54	ppb	#	55
79) tert-Butylbenzene	10.907	119	32699	0.56	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.977	105	31001m	0.49	ppb		
81) sec-Butylbenzene	11.163	105	40904	0.60	ppb	#	92
82) 1,3-Dichlorobenzene	11.294	146	14891	0.54	ppb		92
83) p-Isopropyltoluene	11.340	119	33969	0.56	ppb		93
84) 1,4-Dichlorobenzene	11.410	146	14938m	0.55	ppb		
85) 1,2,3-Trimethylbenzene	11.436	105	24108	0.42	ppb	#	91
86) p-Diethylbenzene	11.773	105	18999	0.63	ppb	#	51
87) 1,2-Dichlorobenzene	11.802	146	12646	0.56	ppb	#	100
88) n-Butylbenzene	11.802	91	33826m	0.54	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	874m	0.49	ppb		
90) 1,2,4,5-Tetramethylben...	12.663	119	24137	0.52	ppb	#	92
91) 1,2,4-Trichlorobenzene	13.651	180	5069	0.55	ppb	#	1
92) Hexachloro-1,3-Butadiene	13.837	225	3064	0.57	ppb	#	66
93) Naphthalene	13.941	128	12382	0.77	ppb	#	83
94) 1,2,3-Trichlorobenzene	14.197	180	4799	0.90	ppb	#	27

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913273.D
Acq On : 26 Aug 2020 2:44 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9081920A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 10:14:08 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913274.D
Acq On : 26 Aug 2020 3:09 am
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9081920A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 10:10:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	206654	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	759790	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	209429	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	187750	7.92	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 79.20%				
51) Toluene-d8 (SURR)	7.290	98	1057021	10.60	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 106.00%				
70) p-Bromofluorobenzene (...	10.079	95	362697	10.30	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	24199	1.93	ppb	#	1
3) Chloromethane	1.725	50	40221	7.83	ppb		93
4) Vinyl Chloride	1.832	62	31375	2.41	ppb	#	98
5) Bromomethane	2.149	94	16942	3.24	ppb		99
6) Chloroethane	2.259	64	19636	2.45	ppb	#	19
7) Trichlorofluoromethane	2.512	101	40314	1.72	ppb	#	20
8) Ethanol	2.628	45	3830	127.68	ppb	#	1
9) Freon-113	3.015	101	27403	2.10	ppb	#	1
10) 1,1-Dichloroethylene	3.003	61	51316	2.30	ppb	#	84
11) Acrolein	2.878	56	1598m	1.35	ppb		
12) Acetone	3.006	43	6957	4.27	ppb	#	1
13) Iodomethane	3.146	142	32871	2.72	ppb	#	72
14) Methyl Acetate	3.323	43	9225	1.79	ppb	#	1
15) Carbon disulfide	3.233	76	72099	1.93	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	1921m	2.56	ppb		
17) Methylene Chloride	3.459	49	45778	2.55	ppb		89
18) Acrylonitrile	3.631	53	5221m	1.94	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	50224	2.23	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.730	73	49227	1.12	ppb	#	93
21) 1,1-Dichloroethane	4.134	63	66793	2.15	ppb	#	99
22) Vinyl Acetate	4.119	43	24112	1.60	ppb	#	1
23) Diisopropyl ether (DIPE)	4.180	45	100867	2.05	ppb	#	48
24) Ethyl-tert-Butyl ether...	4.514	59	82877	1.40	ppb	#	96
25) cis-1,2-Dichloroethylene	4.654	61	59861	2.13	ppb	#	87
26) 2-Butanone	4.619	72	1244m	1.27	ppb		
27) 2,2-Dichloropropane	4.677	77	43232	1.41	ppb	#	87
28) Tetrahydrofuran	4.910	42	3054	1.56	ppb	#	10
29) Bromochloromethane	4.878	49	26440	2.46	ppb	#	61
30) Chloroform	4.965	83	57965	1.63	ppb	#	97
31) 1,1,1-Trichloroethane	5.142	97	53958	1.66	ppb	#	73
32) Cyclohexane	5.247	56	82228m	1.46	ppb		
33) 1,1-Dichloropropylene	5.296	75	44492	1.85	ppb	#	48
35) Carbon Tetrachloride	5.308	117	42169	1.60	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.441	59	8626m	9.36	ppb		
37) 1,2-Dichloroethane	5.505	62	34013	1.48	ppb	#	98
38) Benzene	5.473	78	129763	1.84	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	55343	1.09	ppb	#	1
41) Trichloroethylene	6.107	95	35769	1.97	ppb	#	74
42) Methyl Cyclohexane	6.351	83	54644	2.10	ppb	#	36
43) Methyl Methacrylate	6.368	69	19259m	1.57	ppb		
44) Dibromomethane	6.409	93	12366m	1.48	ppb		
45) Bromodichloromethane	6.586	83	39227	1.57	ppb		95
46) 1,2-Dichloropropane	6.336	63	36012	2.23	ppb	#	84
47) 1,4-Dioxane	6.400	88	2082m	32.13	ppb		
49) cis-1,3-Dichloropropene	7.008	75	44988	1.58	ppb	#	54
50) 4-Methyl-2-Pentanone	7.127	43	11500	1.51	ppb	#	75
52) Toluene	7.362	91	150929	1.99	ppb		100

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913274.D
Acq On : 26 Aug 2020 3:09 am
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9081920A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 10:10:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

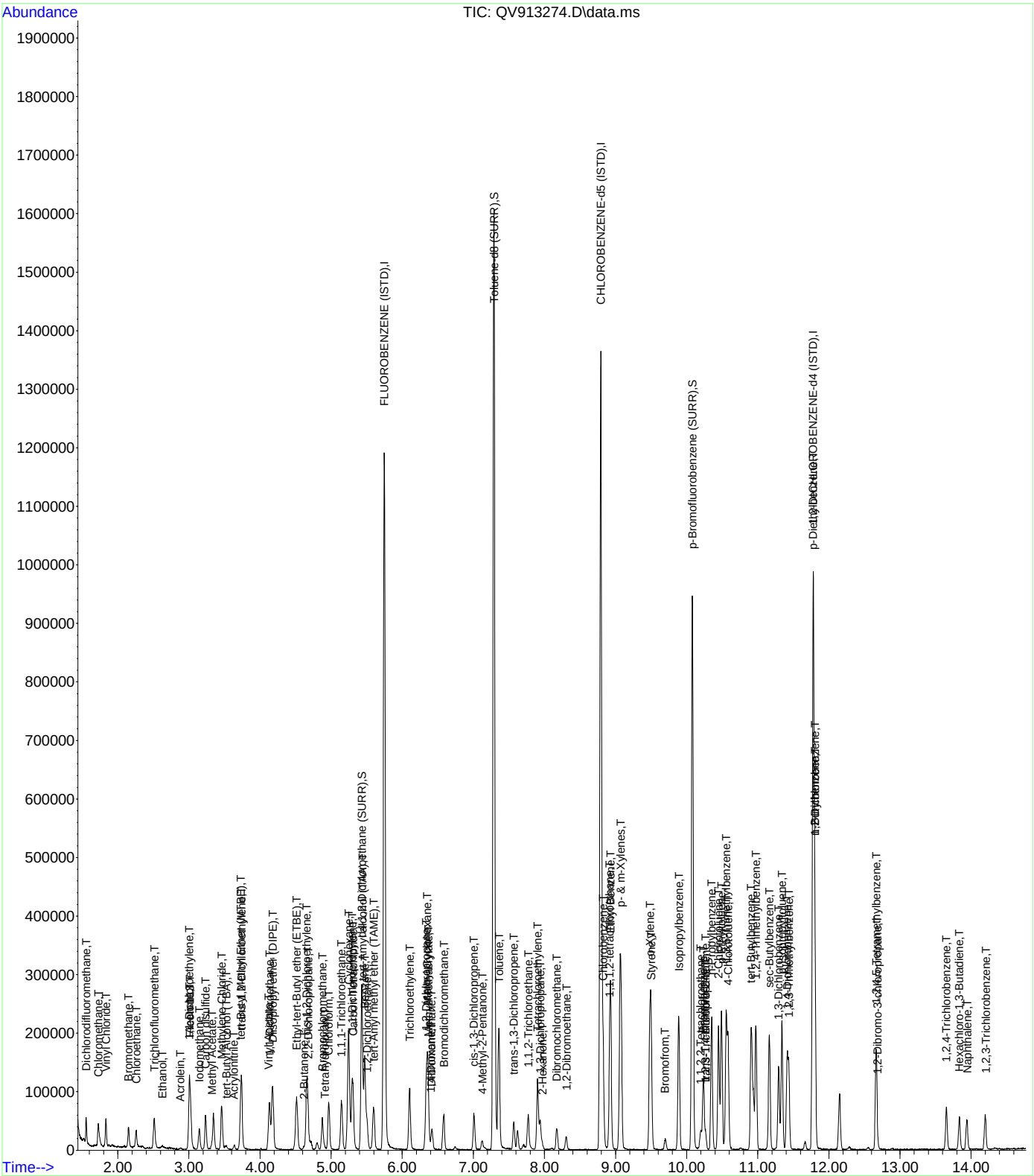
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	33505	1.37	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	17557	1.48	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	30168	1.45	ppb	#	70
56) Tetrachloroethylene	7.903	166	33796	1.96	ppb	#	100
57) 2-Hexanone	7.970	43	6598	1.34	ppb	#	1
58) Dibromochloromethane	8.170	129	18523	1.27	ppb	#	79
59) 1,2-Dibromoethane	8.309	107	16083	1.42	ppb		96
60) Chlorobenzene	8.824	112	86725	1.78	ppb	#	77
61) 1,1,1,2-tetrachloroethane	8.914	131	28897	1.65	ppb	#	47
62) Ethyl Benzene	8.928	91	170805	1.94	ppb		97
63) p- & m-Xylenes	9.071	91	271764	3.86	ppb		92
64) o-Xylene	9.484	91	135349	1.85	ppb		95
65) Styrene	9.504	104	88244	1.68	ppb	#	82
66) Bromofrom	9.693	173	8852	1.12	ppb	#	99
68) p-Ethyltoluene	10.489	105	159342	2.21	ppb	#	97
69) Isopropylbenzene	9.890	105	164596	2.05	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.195	83	15287	1.44	ppb	#	65
72) Bromobenzene	10.233	77	56773	1.74	ppb	#	73
73) trans-1,4-Dichloro-2-b...	10.265	75	21436m	2.48	ppb		
74) 1,2,3-Trichloropropane	10.265	110	4797	1.42	ppb	#	1
75) n-Propylbenzene	10.350	91	193461	2.11	ppb	#	89
76) 2-Chlorotoluene	10.448	91	121390	2.04	ppb		98
77) 4-Chlorotoluene	10.582	91	130254	1.93	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	134348	1.97	ppb	#	61
79) tert-Butylbenzene	10.905	119	124916	2.00	ppb	#	96
80) 1,2,4-Trimethylbenzene	10.974	105	128373	1.89	ppb		94
81) sec-Butylbenzene	11.163	105	149416	2.04	ppb	#	93
82) 1,3-Dichlorobenzene	11.291	146	62833	2.10	ppb		93
83) p-Isopropyltoluene	11.340	119	129177	1.99	ppb		96
84) 1,4-Dichlorobenzene	11.413	146	58550	1.98	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	85509	1.39	ppb	#	92
86) p-Diethylbenzene	11.776	105	69247	2.12	ppb	#	60
87) 1,2-Dichlorobenzene	11.802	146	47749	1.95	ppb	#	100
88) n-Butylbenzene	11.802	91	128045m	1.89	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	3502m	1.83	ppb		
90) 1,2,4,5-Tetramethylben...	12.666	119	97701	1.94	ppb	#	94
91) 1,2,4-Trichlorobenzene	13.651	180	22557	2.29	ppb	#	5
92) Hexachloro-1,3-Butadiene	13.831	225	11762	2.04	ppb	#	74
93) Naphthalene	13.944	128	42266	2.45	ppb		97
94) 1,2,3-Trichlorobenzene	14.206	180	18633	3.23	ppb	#	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913274.D
Acq On : 26 Aug 2020 3:09 am
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9081920A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 10:10:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913275.D
Acq On : 26 Aug 2020 3:35 am
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9081920A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 26 10:06:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	206816	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	747552	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	206553	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	183462	7.73	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 77.30%				
51) Toluene-d8 (SURR)	7.289	98	1045252	10.65	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 106.50%				
70) p-Bromofluorobenzene (...	10.082	95	358464	10.32	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	64864	5.18	ppb	#	1
3) Chloromethane	1.727	50	91226	16.34	ppb		93
4) Vinyl Chloride	1.832	62	80629	6.20	ppb	#	98
5) Bromomethane	2.149	94	38669	7.29	ppb		100
6) Chloroethane	2.253	64	45737	5.70	ppb	#	25
7) Trichlorofluoromethane	2.512	101	108142	4.60	ppb	#	19
8) Ethanol	2.622	45	8608	283.17	ppb	#	1
9) Freon-113	3.023	101	63959	4.89	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	121856	5.46	ppb	#	83
11) Acrolein	2.884	56	2976m	2.51	ppb		
12) Acetone	3.003	43	9782	5.99	ppb	#	1
13) Iodomethane	3.146	142	78415	6.46	ppb	#	72
14) Methyl Acetate	3.320	43	16164	3.13	ppb	#	1
15) Carbon disulfide	3.236	76	168615	4.52	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	2678	3.56	ppb	#	1
17) Methylene Chloride	3.462	49	91124	5.08	ppb		89
18) Acrylonitrile	3.640	53	9526m	3.53	ppb		
19) trans-1,2-Dichloroethy...	3.741	61	113131	5.02	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	98950	2.24	ppb	#	94
21) 1,1-Dichloroethane	4.131	63	147671	4.74	ppb	#	99
22) Vinyl Acetate	4.119	43	45541	3.01	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	221458	4.49	ppb	#	54
24) Ethyl-tert-Butyl ether...	4.517	59	180356	3.04	ppb	#	79
25) cis-1,2-Dichloroethylene	4.660	61	128260	4.56	ppb	#	87
26) 2-Butanone	4.622	72	1888	1.93	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	103310	3.37	ppb	#	87
28) Tetrahydrofuran	4.909	42	6569	3.35	ppb	#	35
29) Bromochloromethane	4.875	49	52163	4.86	ppb	#	59
30) Chloroform	4.968	83	123791	3.47	ppb	#	97
31) 1,1,1-Trichloroethane	5.148	97	124233	3.82	ppb	#	26
32) Cyclohexane	5.241	56	123640m	2.19	ppb		
33) 1,1-Dichloropropylene	5.293	75	101822	4.24	ppb	#	52
35) Carbon Tetrachloride	5.308	117	104629	3.96	ppb	#	99
36) tert-Amyl alcohol (TAA)	5.444	59	16607	18.01	ppb	#	16
37) 1,2-Dichloroethane	5.505	62	70298	3.07	ppb	#	100
38) Benzene	5.473	78	279954	3.96	ppb	#	96
39) tert-Amyl methyl ether...	5.598	73	116564	2.30	ppb	#	1
41) Trichloroethylene	6.104	95	77925	4.37	ppb	#	74
42) Methyl Cyclohexane	6.360	83	133469	5.23	ppb	#	42
43) Methyl Methacrylate	6.362	69	43923	3.64	ppb	#	99
44) Dibromomethane	6.418	93	23421	2.85	ppb	#	49
45) Bromodichloromethane	6.580	83	82073	3.33	ppb	#	97
46) 1,2-Dichloropropane	6.336	63	77937	4.90	ppb	#	84
47) 1,4-Dioxane	6.400	88	3517m	55.16	ppb		
49) cis-1,3-Dichloropropene	7.008	75	91923	3.29	ppb	#	60
50) 4-Methyl-2-Pentanone	7.130	43	22142	2.96	ppb	#	70
52) Toluene	7.359	91	319540	4.27	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913275.D
Acq On : 26 Aug 2020 3:35 am
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9081920A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 26 10:06:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

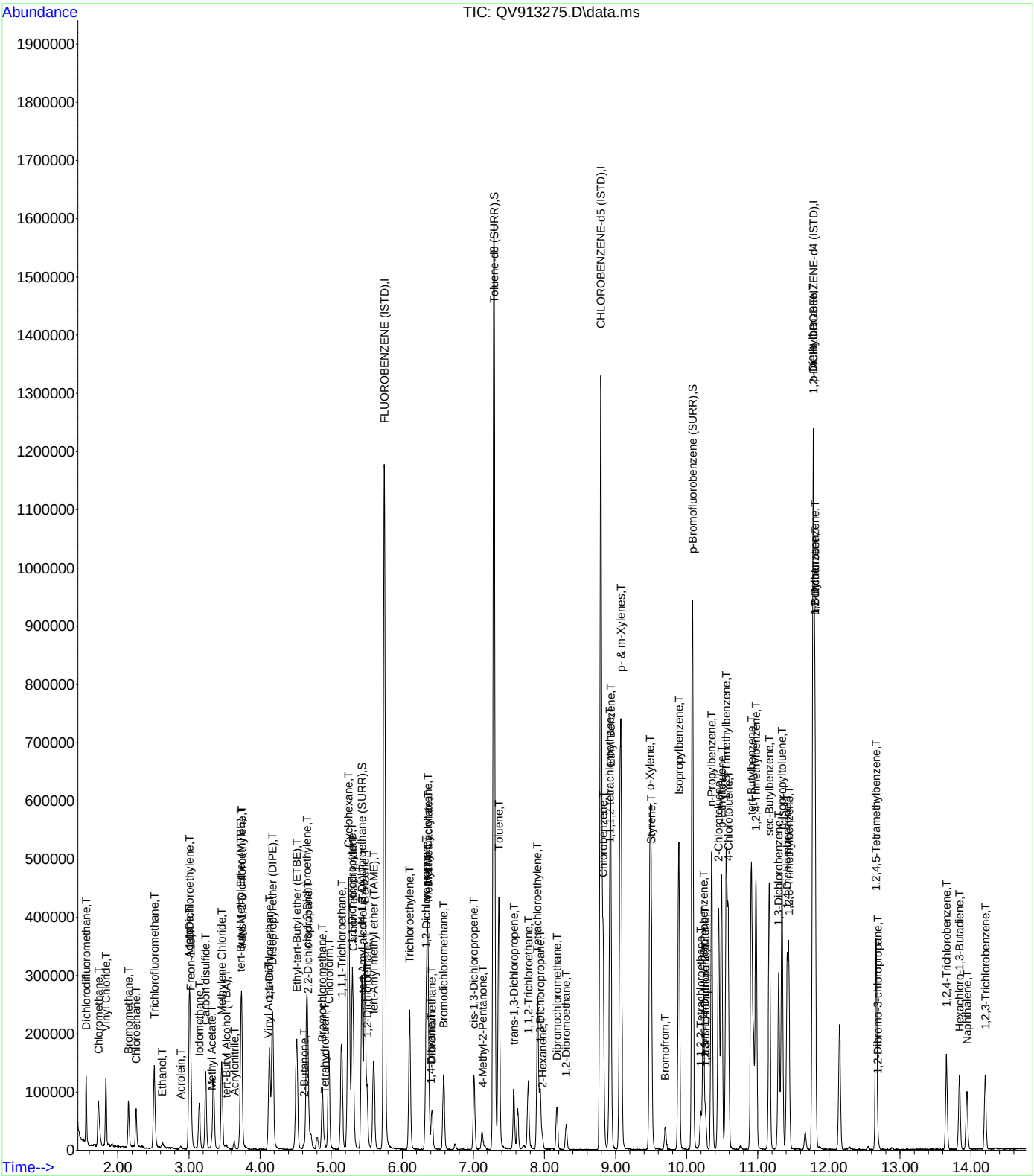
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.571	75	69562	2.89	ppb	#	98
54) 1,1,2-Trichloroethane	7.772	97	34074	2.92	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	63286	3.08	ppb	#	68
56) Tetrachloroethylene	7.900	166	80033	4.72	ppb	#	100
57) 2-Hexanone	7.969	43	13534	2.80	ppb	#	29
58) Dibromochloromethane	8.176	129	38522	2.69	ppb	#	81
59) 1,2-Dibromoethane	8.304	107	31085	2.79	ppb		93
60) Chlorobenzene	8.824	112	185448	3.87	ppb	#	84
61) 1,1,1,2-tetrachloroethane	8.917	131	61477	3.56	ppb	#	47
62) Ethyl Benzene	8.931	91	367264	4.23	ppb		96
63) p- & m-Xylenes	9.074	91	588629	8.49	ppb		93
64) o-Xylene	9.483	91	286683	3.98	ppb		96
65) Styrene	9.504	104	188933	3.66	ppb	#	82
66) Bromofrom	9.696	173	18359	2.36	ppb	#	81
68) p-Ethyltoluene	10.492	105	318047	4.46	ppb	#	100
69) Isopropylbenzene	9.890	105	374073	4.72	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.195	83	30987	2.97	ppb	#	65
72) Bromobenzene	10.239	77	119283	3.72	ppb	#	75
73) trans-1,4-Dichloro-2-b...	10.259	75	42074m	4.94	ppb		
74) 1,2,3-Trichloropropane	10.265	110	9007	2.71	ppb	#	1
75) n-Propylbenzene	10.349	91	441732	4.88	ppb	#	89
76) 2-Chlorotoluene	10.448	91	259034	4.42	ppb		98
77) 4-Chlorotoluene	10.585	91	286167	4.30	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	298519	4.43	ppb	#	61
79) tert-Butylbenzene	10.910	119	281723	4.56	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.974	105	280343	4.18	ppb		93
81) sec-Butylbenzene	11.163	105	351855	4.87	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	128399	4.36	ppb		94
83) p-Isopropyltoluene	11.340	119	294750	4.59	ppb		96
84) 1,4-Dichlorobenzene	11.413	146	123931	4.26	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	188308	3.11	ppb	#	91
86) p-Diethylbenzene	11.779	105	146290	4.55	ppb	#	53
87) 1,2-Dichlorobenzene	11.802	146	102219	4.22	ppb	#	100
88) n-Butylbenzene	11.802	91	297885m	4.45	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	5749	3.04	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	197419	3.98	ppb	#	92
91) 1,2,4-Trichlorobenzene	13.653	180	49277	5.06	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.837	225	27533	4.85	ppb	#	65
93) Naphthalene	13.941	128	82826	4.86	ppb		98
94) 1,2,3-Trichlorobenzene	14.200	180	38660	6.79	ppb	#	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913275.D
Acq On : 26 Aug 2020 3:35 am
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9081920A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 26 10:06:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913276.D
Acq On : 26 Aug 2020 4:01 am
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9081920A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 10:04:03 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	204890	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	744432	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	205331	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	182270	7.75	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 77.50%				
51) Toluene-d8 (SURR)	7.289	98	1027944	10.52	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 105.20%				
70) p-Bromofluorobenzene (...	10.082	95	357977	10.37	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	183929	14.83	ppb	#	1
3) Chloromethane	1.727	50	245827	37.16	ppb		92
4) Vinyl Chloride	1.832	62	212124	16.47	ppb	#	98
5) Bromomethane	2.149	94	102618	18.78	ppb		99
6) Chloroethane	2.256	64	122906	15.47	ppb	#	25
7) Trichlorofluoromethane	2.512	101	296368	12.72	ppb	#	20
8) Ethanol	2.631	45	22105	709.83	ppb	#	1
9) Freon-113	3.021	101	170457	13.16	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	339805	15.37	ppb		84
11) Acrolein	2.884	56	8792	7.48	ppb	#	1
12) Acetone	3.009	43	23231	14.16	ppb	#	1
13) Iodomethane	3.146	142	241443	19.70	ppb	#	72
14) Methyl Acetate	3.323	43	41226	8.06	ppb	#	1
15) Carbon disulfide	3.236	76	483344	13.07	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	6721	8.84	ppb	#	1
17) Methylene Chloride	3.459	49	256481	14.43	ppb		89
18) Acrylonitrile	3.637	53	26540m	9.93	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	324631	14.53	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.733	73	284662	6.51	ppb	#	93
21) 1,1-Dichloroethane	4.134	63	422594	13.69	ppb	#	99
22) Vinyl Acetate	4.119	43	108439	7.24	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	603774	12.35	ppb	#	41
24) Ethyl-tert-Butyl ether...	4.514	59	493239	8.39	ppb	#	95
25) cis-1,2-Dichloroethylene	4.654	61	365686	13.12	ppb	#	88
26) 2-Butanone	4.616	72	6425	6.62	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	281741	9.28	ppb	#	89
28) Tetrahydrofuran	4.904	42	17873	9.19	ppb	#	1
29) Bromochloromethane	4.875	49	151494	14.24	ppb	#	60
30) Chloroform	4.965	83	352518	9.98	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	356120	11.07	ppb	#	26
32) Cyclohexane	5.244	56	402001m	7.18	ppb		
33) 1,1-Dichloropropylene	5.293	75	301901	12.68	ppb	#	46
35) Carbon Tetrachloride	5.308	117	297760	11.38	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	43693	47.82	ppb	#	1
37) 1,2-Dichloroethane	5.502	62	203960	8.98	ppb	#	100
38) Benzene	5.473	78	804926	11.50	ppb	#	96
39) tert-Amyl methyl ether...	5.601	73	321228	6.38	ppb	#	1
41) Trichloroethylene	6.104	95	224694	12.65	ppb	#	73
42) Methyl Cyclohexane	6.360	83	358287	14.08	ppb	#	42
43) Methyl Methacrylate	6.365	69	121679	10.12	ppb	#	98
44) Dibromomethane	6.418	93	69287	8.47	ppb	#	52
45) Bromodichloromethane	6.583	83	230623	9.40	ppb	#	97
46) 1,2-Dichloropropane	6.333	63	218729	13.81	ppb	#	94
47) 1,4-Dioxane	6.394	88	9195	144.82	ppb	#	81
49) cis-1,3-Dichloropropene	7.008	75	263043	9.45	ppb	#	59
50) 4-Methyl-2-Pentanone	7.124	43	66149	8.88	ppb	#	74
52) Toluene	7.359	91	888628	11.94	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913276.D
Acq On : 26 Aug 2020 4:01 am
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9081920A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 10:04:03 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

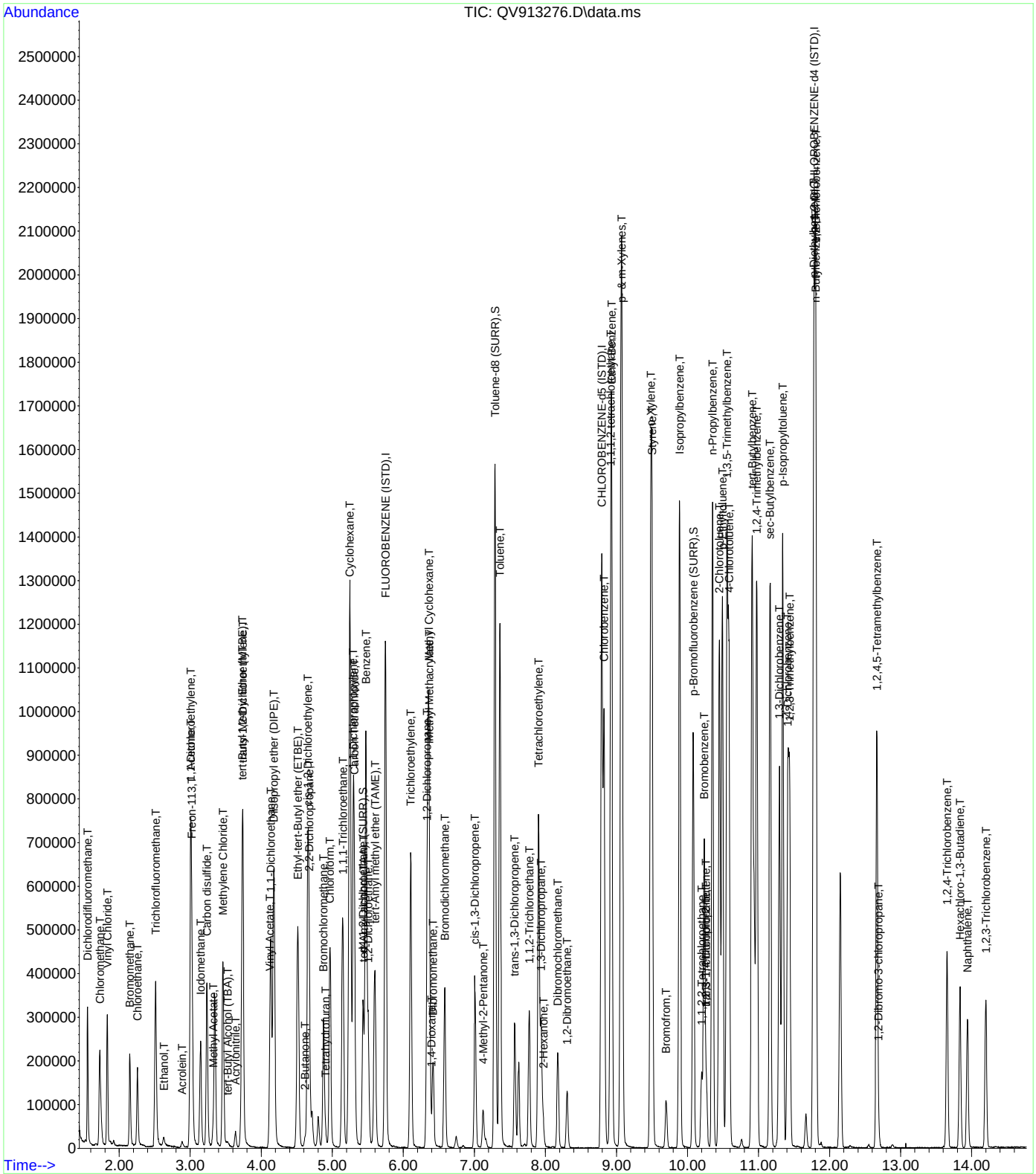
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.566	75	199717	8.33	ppb	#	99
54) 1,1,2-Trichloroethane	7.772	97	99603	8.57	ppb	#	1
55) 1,3-Dichloropropane	7.937	76	178073	8.71	ppb	#	68
56) Tetrachloroethylene	7.903	166	222720	13.19	ppb	#	100
57) 2-Hexanone	7.969	43	40429	8.38	ppb	#	1
58) Dibromochloromethane	8.173	129	113017	7.92	ppb	#	86
59) 1,2-Dibromoethane	8.304	107	90016	8.13	ppb		92
60) Chlorobenzene	8.824	112	524930	11.01	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.920	131	175609	10.22	ppb	#	47
62) Ethyl Benzene	8.931	91	1061640	12.29	ppb		96
63) p- & m-Xylenes	9.071	91	1689411	24.46	ppb		93
64) o-Xylene	9.483	91	822169	11.46	ppb		96
65) Styrene	9.501	104	553580	10.76	ppb	#	82
66) Bromofrom	9.696	173	54810	7.09	ppb	#	96
68) p-Ethyltoluene	10.492	105	875976	12.37	ppb	#	97
69) Isopropylbenzene	9.887	105	1074703	13.64	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	86271	8.30	ppb	#	65
72) Bromobenzene	10.233	77	341932	10.71	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.259	75	120579m	14.25	ppb		
74) 1,2,3-Trichloropropane	10.259	110	25757	7.78	ppb	#	1
75) n-Propylbenzene	10.352	91	1275958	14.18	ppb	#	90
76) 2-Chlorotoluene	10.448	91	718418	12.33	ppb		98
77) 4-Chlorotoluene	10.585	91	811644	12.27	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	839874	12.54	ppb	#	61
79) tert-Butylbenzene	10.910	119	814346	13.27	ppb	#	95
80) 1,2,4-Trimethylbenzene	10.974	105	808311	12.12	ppb		94
81) sec-Butylbenzene	11.160	105	1026692	14.30	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	371212	12.67	ppb		94
83) p-Isopropyltoluene	11.340	119	850147	13.33	ppb		96
84) 1,4-Dichlorobenzene	11.410	146	351714	12.16	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	504331	8.38	ppb	#	91
86) p-Diethylbenzene	11.776	105	398019	12.45	ppb	#	50
87) 1,2-Dichlorobenzene	11.805	146	287486	11.95	ppb	#	100
88) n-Butylbenzene	11.802	91	853173m	12.81	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	17589	9.36	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.665	119	553927	11.24	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.653	180	143184	14.80	ppb	#	9
92) Hexachloro-1,3-Butadiene	13.837	225	79930	14.16	ppb	#	65
93) Naphthalene	13.938	128	245351	14.49	ppb	#	95
94) 1,2,3-Trichlorobenzene	14.200	180	111024	19.60	ppb	#	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913276.D
Acq On : 26 Aug 2020 4:01 am
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9081920A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 10:04:03 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913277.D
Acq On : 26 Aug 2020 4:26 am
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9081920A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 10:02:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	201850	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	745870	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	209145	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	183318	7.91	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 79.10%				
51) Toluene-d8 (SURR)	7.292	98	1039300	10.62	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 106.20%				
70) p-Bromofluorobenzene (...	10.082	95	359878	10.23	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 102.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	377042	30.85	ppb	#	1
3) Chloromethane	1.724	50	502285	63.76	ppb		92
4) Vinyl Chloride	1.832	62	442398	34.86	ppb	#	98
5) Bromomethane	2.149	94	221225	38.55	ppb		98
6) Chloroethane	2.259	64	255558	32.66	ppb	#	20
7) Trichlorofluoromethane	2.512	101	623430	27.17	ppb	#	19
8) Ethanol	2.628	45	45998	1421.28	ppb	#	1
9) Freon-113	3.023	101	363722	28.51	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	684794	31.44	ppb	#	83
11) Acrolein	2.881	56	17521	15.13	ppb	#	1
12) Acetone	3.006	43	39415	23.98	ppb	#	1
13) Iodomethane	3.148	142	482837	38.99	ppb	#	73
14) Methyl Acetate	3.320	43	81860	16.24	ppb	#	1
15) Carbon disulfide	3.233	76	969901	26.61	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	11934	15.55	ppb	#	1
17) Methylene Chloride	3.459	49	490404	28.02	ppb		89
18) Acrylonitrile	3.640	53	50571m	19.22	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	641716	29.16	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	541753	12.58	ppb	#	95
21) 1,1-Dichloroethane	4.131	63	827797	27.23	ppb	#	99
22) Vinyl Acetate	4.119	43	219733	14.89	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	1219374	25.32	ppb	#	55
24) Ethyl-tert-Butyl ether...	4.514	59	997962	17.22	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	713715	25.99	ppb	#	88
26) 2-Butanone	4.616	72	10695	11.18	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	552323	18.47	ppb	#	89
28) Tetrahydrofuran	4.907	42	32242	16.82	ppb	#	1
29) Bromochloromethane	4.877	49	287262	27.40	ppb	#	60
30) Chloroform	4.968	83	694088	19.95	ppb	#	85
31) 1,1,1-Trichloroethane	5.142	97	712610	22.47	ppb	#	72
32) Cyclohexane	5.244	56	826561m	14.99	ppb		
33) 1,1-Dichloropropylene	5.296	75	599601	25.57	ppb	#	48
35) Carbon Tetrachloride	5.308	117	603754	23.41	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	87894	97.64	ppb	#	1
37) 1,2-Dichloroethane	5.502	62	391084	17.48	ppb	#	100
38) Benzene	5.473	78	1583512	22.97	ppb	#	96
39) tert-Amyl methyl ether...	5.598	73	639691	12.91	ppb	#	1
41) Trichloroethylene	6.104	95	439167	24.67	ppb	#	74
42) Methyl Cyclohexane	6.357	83	754288	29.60	ppb	#	44
43) Methyl Methacrylate	6.362	69	245551	20.39	ppb	#	98
44) Dibromomethane	6.418	93	133190	16.24	ppb	#	49
45) Bromodichloromethane	6.583	83	451779	18.38	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	424861	26.78	ppb	#	94
47) 1,4-Dioxane	6.400	88	18686	293.73	ppb	#	86
49) cis-1,3-Dichloropropene	7.008	75	525972	18.86	ppb	#	52
50) 4-Methyl-2-Pentanone	7.124	43	121730	16.31	ppb	#	69
52) Toluene	7.359	91	1762881	23.63	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913277.D
Acq On : 26 Aug 2020 4:26 am
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9081920A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 10:02:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

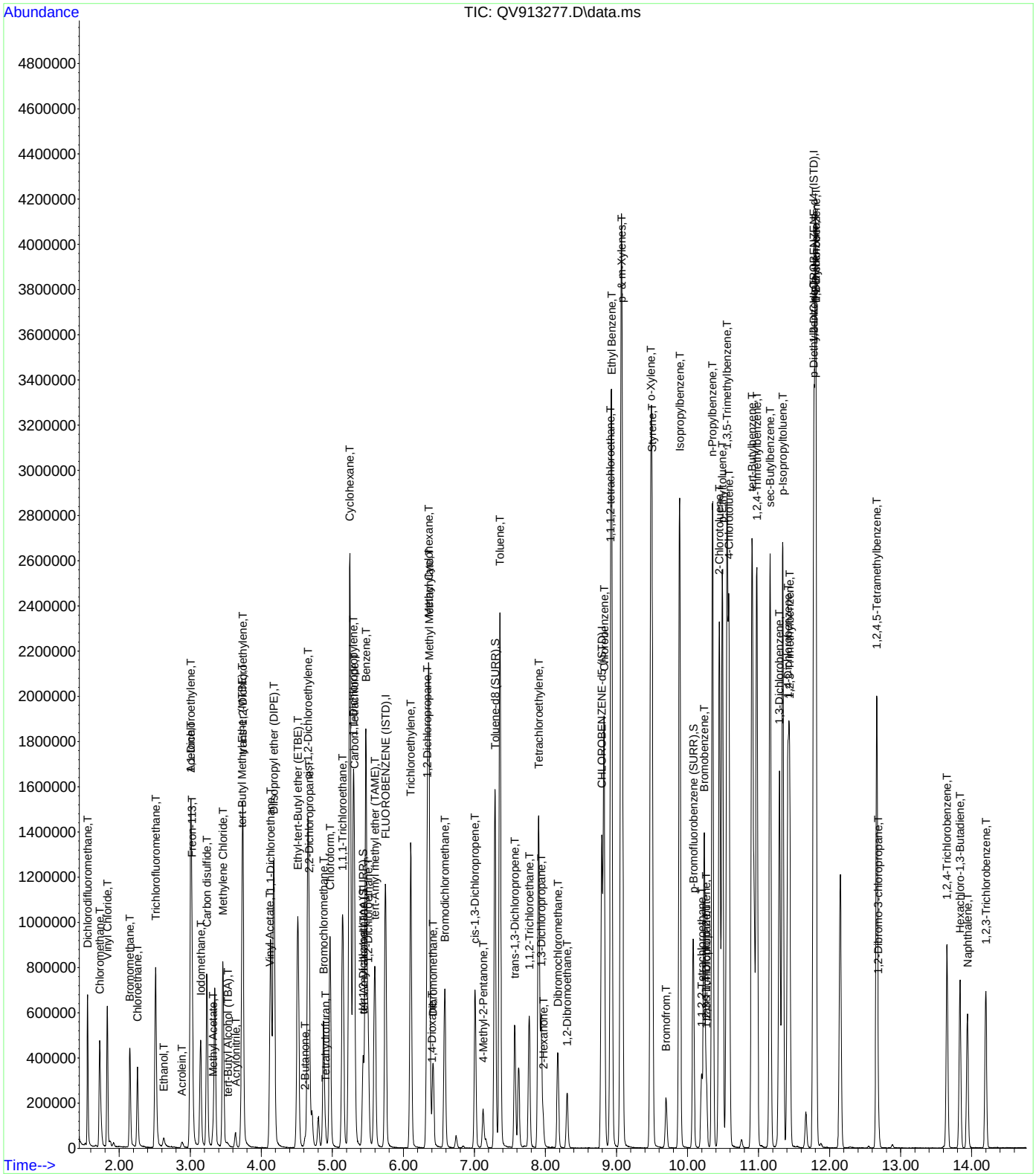
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	393909	16.40	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	182878	15.71	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	338212	16.52	ppb	#	68
56) Tetrachloroethylene	7.905	166	444953	26.30	ppb	#	100
57) 2-Hexanone	7.969	43	78670	16.28	ppb	#	1
58) Dibromochloromethane	8.176	129	221811	15.52	ppb	#	84
59) 1,2-Dibromoethane	8.304	107	172999	15.59	ppb		93
60) Chlorobenzene	8.827	112	1030179	21.56	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.917	131	339976	19.74	ppb	#	46
62) Ethyl Benzene	8.931	91	2086184	24.10	ppb		95
63) p- & m-Xylenes	9.071	91	3310382	47.84	ppb		92
64) o-Xylene	9.483	91	1618673	22.52	ppb		96
65) Styrene	9.501	104	1088154	21.11	ppb	#	82
66) Bromofrom	9.696	173	104183	13.45	ppb	#	95
68) p-Ethyltoluene	10.489	105	1785466	24.75	ppb	#	97
69) Isopropylbenzene	9.890	105	2132330	26.58	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	165741	15.66	ppb	#	65
72) Bromobenzene	10.233	77	661231	20.34	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.262	75	233475m	27.09	ppb		
74) 1,2,3-Trichloropropane	10.265	110	49228	14.60	ppb	#	1
75) n-Propylbenzene	10.349	91	2511316	27.39	ppb	#	90
76) 2-Chlorotoluene	10.448	91	1418688	23.91	ppb		98
77) 4-Chlorotoluene	10.582	91	1612332	23.93	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	1671084	24.50	ppb	#	61
79) tert-Butylbenzene	10.907	119	1566268	25.05	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.977	105	1600076	23.55	ppb		93
81) sec-Butylbenzene	11.163	105	1998050	27.32	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	723418	24.23	ppb		94
83) p-Isopropyltoluene	11.340	119	1673208	25.76	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	685631	23.27	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	1034534	16.87	ppb	#	91
86) p-Diethylbenzene	11.776	105	843772	25.91	ppb	#	53
87) 1,2-Dichlorobenzene	11.805	146	563359	22.99	ppb	#	100
88) n-Butylbenzene	11.802	91	1733086m	25.55	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	35652	18.62	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	1155968	23.03	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.651	180	289102	29.33	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.837	225	160698	27.95	ppb	#	65
93) Naphthalene	13.941	128	477111	27.67	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	226876	39.33	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913277.D
Acq On : 26 Aug 2020 4:26 am
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9081920A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 10:02:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913278.D
Acq On : 26 Aug 2020 4:52 am
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9081920A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 10:00:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	209566	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	765506	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	210416	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	191363	7.96	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 79.60%				
51) Toluene-d8 (SURR)	7.289	98	1063322	10.58	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 105.80%				
70) p-Bromofluorobenzene (...	10.079	95	372017	10.51	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	763027	60.14	ppb	#	1
3) Chloromethane	1.725	50	987489	98.50	ppb		92
4) Vinyl Chloride	1.832	62	912625	69.26	ppb	#	98
5) Bromomethane	2.149	94	462476	70.53	ppb		99
6) Chloroethane	2.256	64	513220	63.17	ppb	#	20
7) Trichlorofluoromethane	2.512	101	1271754	53.38	ppb	#	20
8) Ethanol	2.625	45	90055	2486.36	ppb	#	1
9) Freon-113	3.021	101	727272	54.90	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	1373209	60.73	ppb	#	83
11) Acrolein	2.881	56	36679	30.51	ppb	#	1
12) Acetone	3.006	43	80128	45.34	ppb	#	1
13) Iodomethane	3.146	142	996686	74.10	ppb	#	73
14) Methyl Acetate	3.323	43	168879	32.27	ppb	#	1
15) Carbon disulfide	3.233	76	1901198	50.25	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.526	59	24522	29.35	ppb	#	1
17) Methylene Chloride	3.459	49	998375	54.93	ppb		89
18) Acrylonitrile	3.634	53	103801m	37.99	ppb		
19) trans-1,2-Dichloroethy...	3.741	61	1305809	57.16	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.727	73	1125396	25.16	ppb	#	95
21) 1,1-Dichloroethane	4.131	63	1704000	53.99	ppb	#	99
22) Vinyl Acetate	4.122	43	468806	30.59	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	2530693	50.62	ppb	#	54
24) Ethyl-tert-Butyl ether...	4.517	59	2078344	34.55	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	1464135	51.35	ppb	#	88
26) 2-Butanone	4.622	72	22100	22.26	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	1139210	36.70	ppb	#	87
28) Tetrahydrofuran	4.904	42	67003	33.67	ppb	#	1
29) Bromochloromethane	4.875	49	593924	54.57	ppb	#	60
30) Chloroform	4.968	83	1404236	38.87	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	1452725	44.13	ppb	#	43
32) Cyclohexane	5.247	56	1991287m	34.78	ppb		
33) 1,1-Dichloropropylene	5.296	75	1186456	48.73	ppb	#	46
35) Carbon Tetrachloride	5.308	117	1229368	45.92	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.438	59	185327	198.30	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	809241	34.83	ppb	#	100
38) Benzene	5.473	78	3221043	45.00	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	1353153	26.30	ppb	#	1
41) Trichloroethylene	6.104	95	885687	48.48	ppb	#	75
42) Methyl Cyclohexane	6.357	83	1531227	58.54	ppb	#	44
43) Methyl Methacrylate	6.362	69	503975	40.78	ppb	#	98
44) Dibromomethane	6.418	93	275270	32.71	ppb	#	49
45) Bromodichloromethane	6.583	83	942468	37.35	ppb	#	98
46) 1,2-Dichloropropane	6.333	63	854665	52.48	ppb	#	84
47) 1,4-Dioxane	6.400	88	37425	573.21	ppb	#	86
49) cis-1,3-Dichloropropene	7.010	75	1077849	37.66	ppb	#	52
50) 4-Methyl-2-Pentanone	7.121	43	261440	34.13	ppb	#	71
52) Toluene	7.359	91	3570820	46.64	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913278.D
Acq On : 26 Aug 2020 4:52 am
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9081920A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 10:00:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

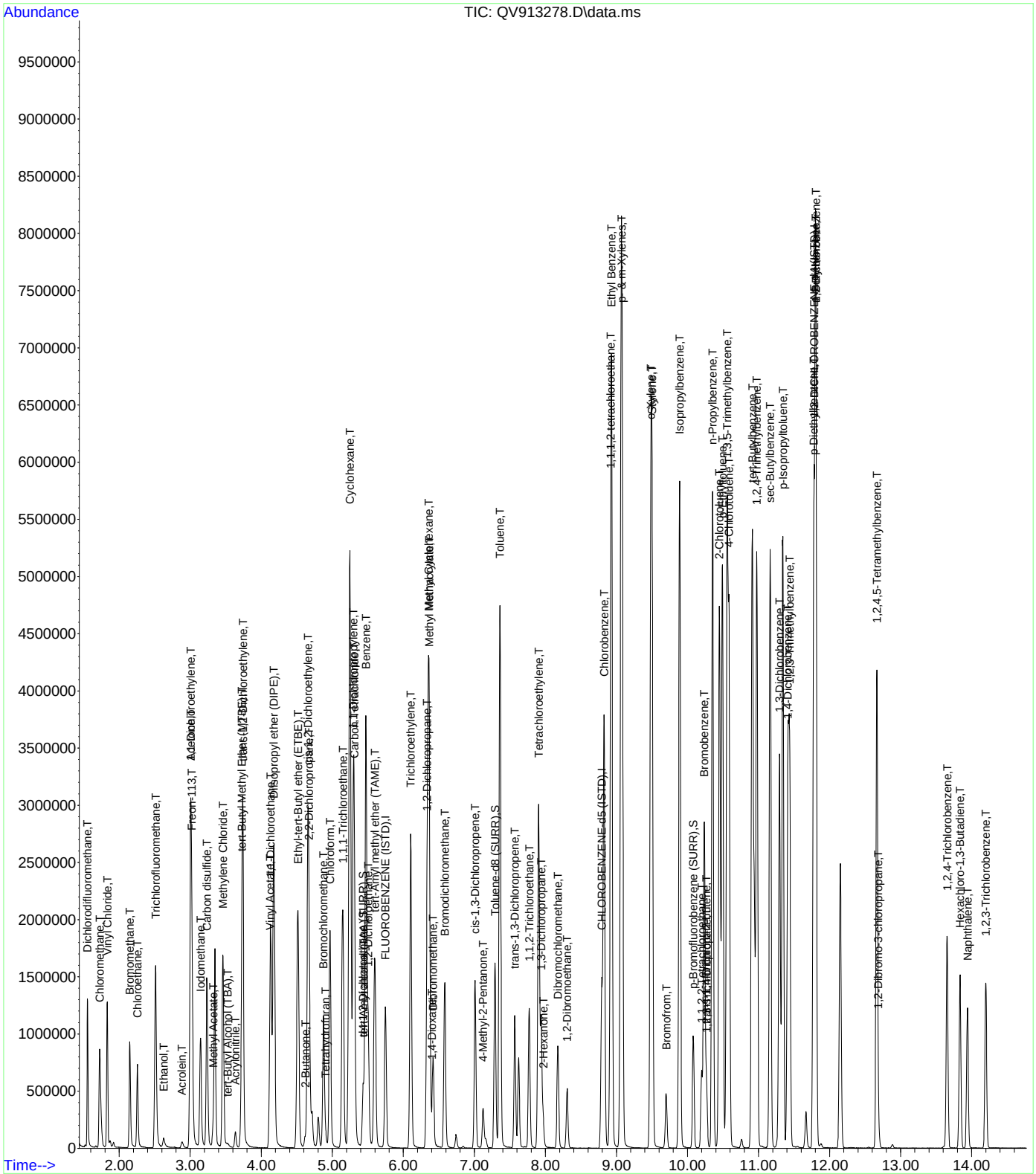
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	803727	32.61	ppb	#	99
54) 1,1,2-Trichloroethane	7.772	97	383519	32.10	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	695758	33.11	ppb	#	70
56) Tetrachloroethylene	7.906	166	882647	50.84	ppb	#	100
57) 2-Hexanone	7.969	43	160878	32.45	ppb	#	1
58) Dibromochloromethane	8.176	129	469433	32.00	ppb	#	85
59) 1,2-Dibromoethane	8.307	107	355805	31.24	ppb		92
60) Chlorobenzene	8.827	112	2102588	42.88	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.920	131	699174	39.56	ppb	#	45
62) Ethyl Benzene	8.928	91	4204821	47.34	ppb		95
63) p- & m-Xylenes	9.071	91	6566609	92.47	ppb		92
64) o-Xylene	9.483	91	3285605	44.54	ppb		96
65) Styrene	9.501	104	2199412	41.57	ppb	#	82
66) Bromofrom	9.704	173	226998	28.55	ppb	#	95
68) p-Ethyltoluene	10.492	105	3608907	49.72	ppb	#	97
69) Isopropylbenzene	9.890	105	4249920	52.65	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	344403	32.35	ppb	#	65
72) Bromobenzene	10.233	77	1348378	41.23	ppb	#	75
73) trans-1,4-Dichloro-2-b...	10.265	75	484022m	55.83	ppb		
74) 1,2,3-Trichloropropane	10.268	110	101679	29.98	ppb	#	1
75) n-Propylbenzene	10.352	91	5055264	54.80	ppb	#	90
76) 2-Chlorotoluene	10.448	91	2884344	48.32	ppb		98
77) 4-Chlorotoluene	10.582	91	3272226	48.27	ppb		95
78) 1,3,5-Trimethylbenzene	10.559	105	3366872	49.06	ppb	#	60
79) tert-Butylbenzene	10.913	119	3163663	50.29	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.974	105	3202924	46.86	ppb		93
81) sec-Butylbenzene	11.163	105	4041966	54.94	ppb	#	93
82) 1,3-Dichlorobenzene	11.297	146	1476536	49.17	ppb		93
83) p-Isopropyltoluene	11.343	119	3400098	52.03	ppb		95
84) 1,4-Dichlorobenzene	11.410	146	1394229	47.04	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	2107808	34.16	ppb	#	90
86) p-Diethylbenzene	11.776	105	1700289	51.89	ppb	#	50
87) 1,2-Dichlorobenzene	11.805	146	1126809	45.70	ppb	#	100
88) n-Butylbenzene	11.802	91	3458127m	50.68	ppb		
89) 1,2-Dibromo-3-chloropr...	12.686	75	73698	38.25	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	2386553	47.27	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.656	180	604341	60.95	ppb	#	10
92) Hexachloro-1,3-Butadiene	13.837	225	331823	57.37	ppb	#	65
93) Naphthalene	13.941	128	1012738	58.37	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.197	180	474290	81.72	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913278.D
Acq On : 26 Aug 2020 4:52 am
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9081920A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 10:00:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913279.D
Acq On : 26 Aug 2020 5:18 am
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9081920A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 10:43:06 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	202717	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	715980	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	186744	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.435	65	176079	7.57	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 75.70%				
51) Toluene-d8 (SURR)	7.289	98	1022387	10.88	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 108.80%				
70) p-Bromofluorobenzene (...	10.079	95	336202	10.70	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 107.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	1613991	131.50	ppb	#	1
3) Chloromethane	1.724	50	2044762	159.39	ppb		92
4) Vinyl Chloride	1.832	62	1927033	151.19	ppb	#	98
5) Bromomethane	2.152	94	1030109	136.61	ppb		98
6) Chloroethane	2.256	64	1065918	135.63	ppb	#	20
7) Trichlorofluoromethane	2.512	101	2676477	116.14	ppb	#	20
8) Ethanol	2.628	45	184414	4602.46	ppb	#	1
9) Freon-113	3.021	101	1516084	118.32	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	2922110	133.60	ppb	#	83
11) Acrolein	2.884	56	72222	62.11	ppb	#	1
12) Acetone	3.003	43	148766	82.17	ppb	#	1
13) Iodomethane	3.145	142	2078929	146.49	ppb	#	72
14) Methyl Acetate	3.326	43	334257	66.03	ppb	#	1
15) Carbon disulfide	3.236	76	4046908	110.57	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	48254	54.96	ppb	#	1
17) Methylene Chloride	3.462	49	2054387	116.86	ppb		89
18) Acrylonitrile	3.639	53	205477m	77.74	ppb		
19) trans-1,2-Dichloroethy...	3.741	61	2738747	123.94	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.727	73	2298201	53.13	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	3509363	114.94	ppb	#	99
22) Vinyl Acetate	4.122	43	910237	61.40	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	5051164	104.46	ppb	#	41
24) Ethyl-tert-Butyl ether...	4.514	59	4224176	72.59	ppb	#	95
25) cis-1,2-Dichloroethylene	4.657	61	3066860	111.19	ppb	#	88
26) 2-Butanone	4.619	72	45848	47.74	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	2422349	80.67	ppb	#	83
28) Tetrahydrofuran	4.901	42	130664	67.89	ppb	#	1
29) Bromochloromethane	4.875	49	1148115	109.06	ppb	#	59
30) Chloroform	4.968	83	2914020	83.39	ppb	#	85
31) 1,1,1-Trichloroethane	5.145	97	3056144	95.98	ppb	#	55
32) Cyclohexane	5.244	56	3034581m	54.79	ppb		
33) 1,1-Dichloropropylene	5.296	75	2517093	106.87	ppb	#	46
35) Carbon Tetrachloride	5.310	117	2580347	99.64	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.441	59	371127	410.51	ppb	#	16
37) 1,2-Dichloroethane	5.505	62	1651392	73.48	ppb	#	100
38) Benzene	5.473	78	6610170	95.47	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	2716797	54.58	ppb	#	1
41) Trichloroethylene	6.104	95	1870392	109.46	ppb	#	74
42) Methyl Cyclohexane	6.359	83	3069723	125.47	ppb	#	45
43) Methyl Methacrylate	6.365	69	1004839	86.93	ppb	#	98
44) Dibromomethane	6.420	93	556791	70.74	ppb	#	53
45) Bromodichloromethane	6.583	83	1915694	81.18	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	1725684	113.30	ppb	#	84
47) 1,4-Dioxane	6.397	88	75201	1231.47	ppb	#	86
49) cis-1,3-Dichloropropene	7.010	75	2185337	81.65	ppb	#	52
50) 4-Methyl-2-Pentanone	7.124	43	506831	70.74	ppb	#	67
52) Toluene	7.362	91	7263836	101.44	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913279.D
Acq On : 26 Aug 2020 5:18 am
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9081920A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 10:43:06 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

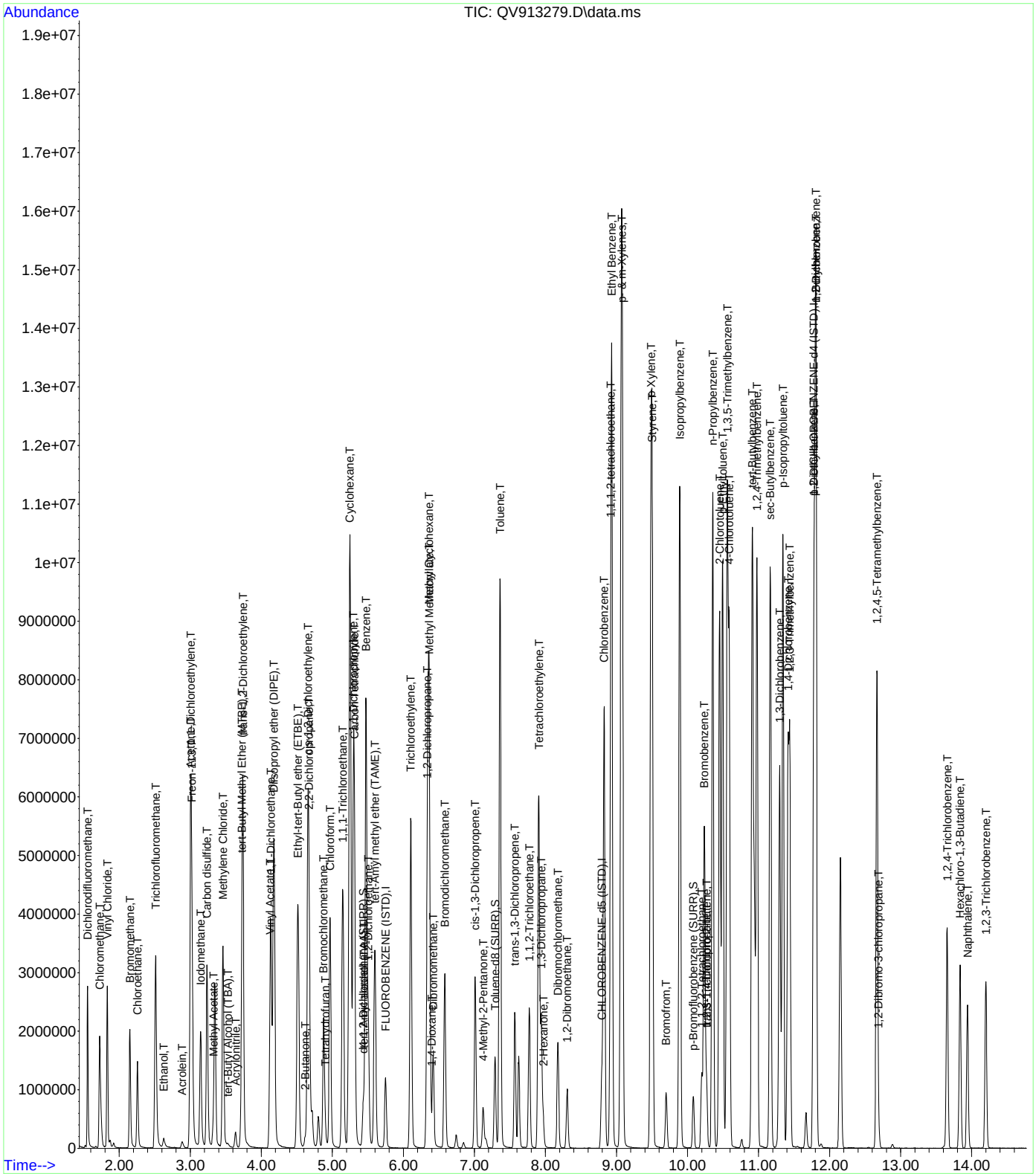
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	1621385	70.34	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	752803	67.38	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	1370635	69.74	ppb	#	68
56) Tetrachloroethylene	7.908	166	1793605	110.46	ppb	#	100
57) 2-Hexanone	7.969	43	322088	69.45	ppb	#	1
58) Dibromochloromethane	8.176	129	929329	67.72	ppb	#	83
59) 1,2-Dibromoethane	8.306	107	704833	66.16	ppb		94
60) Chlorobenzene	8.824	112	4211804	91.84	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.920	131	1389261	84.04	ppb	#	45
62) Ethyl Benzene	8.931	91	8404704	101.16	ppb		95
63) p- & m-Xylenes	9.074	91	13205327	198.81	ppb		92
64) o-Xylene	9.486	91	6463311	93.67	ppb		96
65) Styrene	9.504	104	4326068	87.43	ppb	#	93
66) Bromofrom	9.698	173	448744	60.35	ppb	#	81
68) p-Ethyltoluene	10.495	105	7090367	110.07	ppb	#	99
69) Isopropylbenzene	9.890	105	8409734	117.39	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	664070	70.28	ppb	#	65
72) Bromobenzene	10.233	77	2640851	90.98	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.268	75	936547m	121.72	ppb		
74) 1,2,3-Trichloropropane	10.268	110	194630	64.67	ppb	#	1
75) n-Propylbenzene	10.355	91	9870629	120.57	ppb	#	90
76) 2-Chlorotoluene	10.454	91	5739667	108.33	ppb		97
77) 4-Chlorotoluene	10.588	91	6426014	106.81	ppb		94
78) 1,3,5-Trimethylbenzene	10.561	105	6533095	107.27	ppb	#	59
79) tert-Butylbenzene	10.910	119	6199645	111.05	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.977	105	6264436	103.26	ppb		93
81) sec-Butylbenzene	11.163	105	7764813	118.91	ppb	#	93
82) 1,3-Dichlorobenzene	11.300	146	2855781	107.15	ppb		94
83) p-Isopropyltoluene	11.343	119	6528149	112.56	ppb		95
84) 1,4-Dichlorobenzene	11.416	146	2663175	101.25	ppb		92
85) 1,2,3-Trimethylbenzene	11.436	105	4087180	74.63	ppb	#	90
86) p-Diethylbenzene	11.779	105	3293574	113.25	ppb	#	53
87) 1,2-Dichlorobenzene	11.805	146	2147472	98.13	ppb	#	100
88) n-Butylbenzene	11.805	91	6610383m	109.16	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	143308	83.81	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.665	119	4793082	106.97	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.656	180	1222409	138.90	ppb	#	10
92) Hexachloro-1,3-Butadiene	13.837	225	684288	133.31	ppb	#	64
93) Naphthalene	13.941	128	2000917	129.94	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	935901	181.70	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913279.D
Acq On : 26 Aug 2020 5:18 am
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9081920A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 10:43:06 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913280.D
Acq On : 26 Aug 2020 5:43 am
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9081920A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 09:57:04 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	203166	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	721515	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	188353	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.435	65	186969	8.02	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 80.20%				
51) Toluene-d8 (SURR)	7.289	98	1052217	11.11	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 111.10%				
70) p-Bromofluorobenzene (...	10.079	95	341295	10.77	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 107.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	2242372	182.30	ppb	#	1
3) Chloromethane	1.725	50	2928645	197.56	ppb		92
4) Vinyl Chloride	1.832	62	2605978	204.01	ppb	#	98
5) Bromomethane	2.149	94	1470898	177.30	ppb		98
6) Chloroethane	2.256	64	1510759	191.81	ppb	#	20
7) Trichlorofluoromethane	2.512	101	3739325	161.89	ppb	#	19
8) Ethanol	2.625	45	290821	6506.64	ppb	#	1
9) Freon-113	3.021	101	2147713	167.24	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	4095701	186.84	ppb	#	83
11) Acrolein	2.884	56	113244	97.17	ppb	#	1
12) Acetone	3.009	43	223934	117.18	ppb	#	1
13) Iodomethane	3.146	142	2838684	190.06	ppb	#	72
14) Methyl Acetate	3.323	43	526468	103.77	ppb	#	1
15) Carbon disulfide	3.236	76	5709693	155.65	ppb	#	20
16) tert-Butyl Alcohol (TBA)	3.532	59	79718	83.28	ppb	#	1
17) Methylene Chloride	3.459	49	3008904	170.78	ppb	#	89
18) Acrylonitrile	3.637	53	334633m	126.33	ppb		
19) trans-1,2-Dichloroethy...	3.741	61	3874055	174.92	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.730	73	3557940	82.06	ppb	#	95
21) 1,1-Dichloroethane	4.137	63	5012127	163.80	ppb	#	99
22) Vinyl Acetate	4.122	43	1509564	101.60	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	7306627	150.76	ppb	#	55
24) Ethyl-tert-Butyl ether...	4.517	59	6407160	109.86	ppb	#	95
25) cis-1,2-Dichloroethylene	4.657	61	4336862	156.88	ppb	#	88
26) 2-Butanone	4.616	72	67517	70.15	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	3433698	114.09	ppb	#	85
28) Tetrahydrofuran	4.904	42	212744	110.29	ppb	#	1
29) Bromochloromethane	4.878	49	1667576	158.05	ppb	#	59
30) Chloroform	4.968	83	4251860	121.41	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	4357813	136.55	ppb	#	26
32) Cyclohexane	5.247	56	5057557m	91.12	ppb		
33) 1,1-Dichloropropylene	5.299	75	3533929	149.70	ppb	#	49
35) Carbon Tetrachloride	5.308	117	3693948	142.33	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.435	59	590624	651.86	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	2482585	110.22	ppb	#	100
38) Benzene	5.473	78	9380443	135.18	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	4169199	83.57	ppb	#	1
41) Trichloroethylene	6.104	95	2656749	154.28	ppb	#	74
42) Methyl Cyclohexane	6.360	83	4455730	180.73	ppb	#	46
43) Methyl Methacrylate	6.365	69	1501306	128.88	ppb	#	98
44) Dibromomethane	6.421	93	857808	108.15	ppb	#	52
45) Bromodichloromethane	6.583	83	2886015	121.36	ppb	#	97
46) 1,2-Dichloropropane	6.336	63	2535599	165.20	ppb	#	84
47) 1,4-Dioxane	6.403	88	117513	1909.60	ppb	#	86
49) cis-1,3-Dichloropropene	7.011	75	3241553	120.18	ppb	#	52
50) 4-Methyl-2-Pentanone	7.124	43	793405	109.88	ppb	#	69
52) Toluene	7.359	91	10349487	143.42	ppb		100

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913280.D
Acq On : 26 Aug 2020 5:43 am
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9081920A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 09:57:04 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

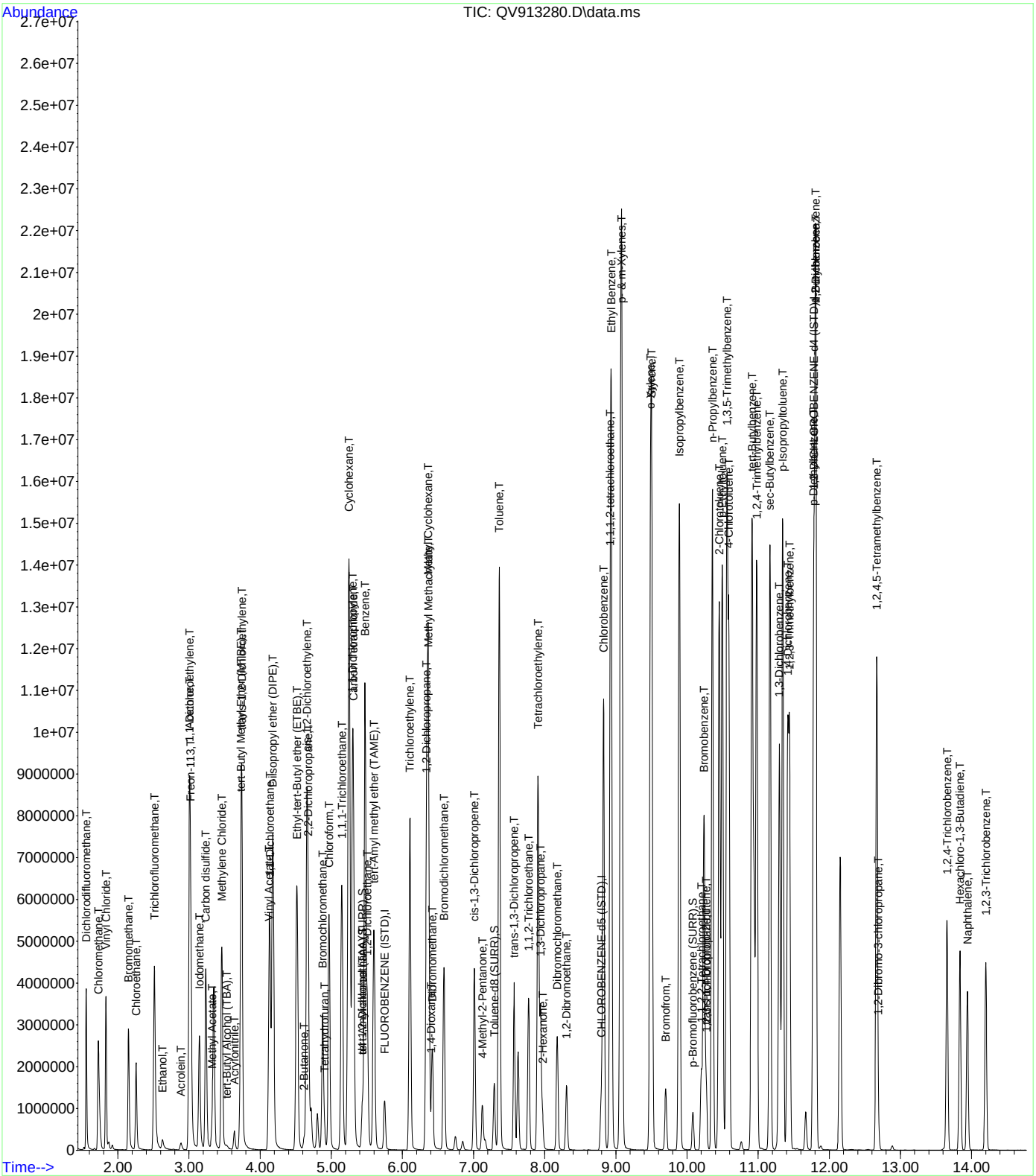
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	2462569	106.01	ppb	#	99
54) 1,1,2-Trichloroethane	7.772	97	1144444	101.64	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	2082351	105.14	ppb	#	68
56) Tetrachloroethylene	7.906	166	2584269	157.93	ppb	#	100
57) 2-Hexanone	7.969	43	506068	108.29	ppb	#	1
58) Dibromochloromethane	8.176	129	1433240	103.65	ppb	#	84
59) 1,2-Dibromoethane	8.304	107	1087129	101.26	ppb		93
60) Chlorobenzene	8.827	112	6061063	131.16	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.920	131	2021342	121.34	ppb	#	44
62) Ethyl Benzene	8.934	91	11775259	140.64	ppb		95
63) p- & m-Xylenes	9.077	91	18557313	277.25	ppb		92
64) o-Xylene	9.486	91	9137266	131.41	ppb		96
65) Styrene	9.504	104	6196478	124.27	ppb	#	82
66) Bromofrom	9.701	173	703878	93.93	ppb	#	81
68) p-Ethyltoluene	10.495	105	10072884	155.04	ppb	#	97
69) Isopropylbenzene	9.893	105	11752982	162.66	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.201	83	1022080	107.25	ppb	#	65
72) Bromobenzene	10.236	77	3900604	133.23	ppb	#	73
73) trans-1,4-Dichloro-2-b...	10.268	75	1427054m	183.89	ppb		
74) 1,2,3-Trichloropropane	10.271	110	298885	98.46	ppb	#	1
75) n-Propylbenzene	10.358	91	13882395	168.13	ppb	#	90
76) 2-Chlorotoluene	10.454	91	8153341	152.57	ppb		98
77) 4-Chlorotoluene	10.585	91	9251143	152.46	ppb		95
78) 1,3,5-Trimethylbenzene	10.562	105	9414141	153.25	ppb	#	59
79) tert-Butylbenzene	10.913	119	8866459	157.47	ppb	#	93
80) 1,2,4-Trimethylbenzene	10.980	105	8960137	146.43	ppb		93
81) sec-Butylbenzene	11.163	105	11184365	169.81	ppb	#	93
82) 1,3-Dichlorobenzene	11.297	146	4189045	155.83	ppb		93
83) p-Isopropyltoluene	11.343	119	9445151	161.47	ppb		95
84) 1,4-Dichlorobenzene	11.416	146	3966015	149.49	ppb		92
85) 1,2,3-Trimethylbenzene	11.439	105	6050401	109.54	ppb	#	90
86) p-Diethylbenzene	11.779	105	4747656	161.85	ppb	#	52
87) 1,2-Dichlorobenzene	11.805	146	3086653	139.84	ppb	#	100
88) n-Butylbenzene	11.805	91	9563344m	156.58	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	226326	131.23	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	7038133	155.73	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.656	180	1816102	204.60	ppb	#	9
92) Hexachloro-1,3-Butadiene	13.837	225	1018064	196.65	ppb	#	65
93) Naphthalene	13.941	128	3115582	200.61	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.200	180	1438208	276.83	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913280.D
Acq On : 26 Aug 2020 5:43 am
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9081920A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 09:57:04 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913281.D
Acq On : 26 Aug 2020 6:09 am
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9081920A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 09:54:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	207291	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	721237	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	187988	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	183255	7.70	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 77.00%				
51) Toluene-d8 (SURR)	7.292	98	1044878	11.04	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 110.40%				
70) p-Bromofluorobenzene (...	10.082	95	339737	10.75	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 107.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	3121002	248.68	ppb	#	1
3) Chloromethane	1.725	50	4235274	242.32	ppb		92
4) Vinyl Chloride	1.829	62	3694692	283.48	ppb	#	98
5) Bromomethane	2.149	94	2033061	219.76	ppb		98
6) Chloroethane	2.253	64	2125093	264.44	ppb	#	20
7) Trichlorofluoromethane	2.515	101	5283433	224.20	ppb	#	19
8) Ethanol	2.628	45	373916	7706.27	ppb	#	1
9) Freon-113	3.024	101	3013469	229.99	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	5660585	253.09	ppb	#	83
11) Acrolein	2.884	56	160088	134.63	ppb	#	1
12) Acetone	3.006	43	299258	147.13	ppb	#	1
13) Iodomethane	3.146	142	3764796	235.37	ppb	#	73
14) Methyl Acetate	3.323	43	705604	136.31	ppb	#	1
15) Carbon disulfide	3.236	76	8085154	216.02	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.535	59	113825	108.68	ppb	#	1
17) Methylene Chloride	3.459	49	4101430	228.15	ppb	#	88
18) Acrylonitrile	3.637	53	455212m	168.43	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	5357569	237.10	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	4882517	110.37	ppb	#	95
21) 1,1-Dichloroethane	4.134	63	6951093	222.65	ppb	#	99
22) Vinyl Acetate	4.122	43	2045245	134.92	ppb	#	1
23) Diisopropyl ether (DIPE)	4.180	45	9970236	201.63	ppb	#	55
24) Ethyl-tert-Butyl ether...	4.517	59	8810571	148.06	ppb	#	95
25) cis-1,2-Dichloroethylene	4.654	61	5993253	212.48	ppb	#	88
26) 2-Butanone	4.619	72	94958	96.69	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	4837689	157.54	ppb	#	87
28) Tetrahydrofuran	4.904	42	288447	146.56	ppb	#	1
29) Bromochloromethane	4.875	49	2227827	206.95	ppb	#	58
30) Chloroform	4.968	83	5908020	165.34	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	6133118	188.35	ppb	#	26
32) Cyclohexane	5.247	56	6657914m	117.56	ppb		
33) 1,1-Dichloropropylene	5.296	75	4933230	204.82	ppb	#	50
35) Carbon Tetrachloride	5.313	117	5244018	198.04	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	814490	881.05	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	3372205	146.73	ppb	#	100
38) Benzene	5.473	78	12969062	183.18	ppb	#	95
39) tert-Amyl methyl ether...	5.601	73	5758840	113.14	ppb	#	1
41) Trichloroethylene	6.104	95	3709002	215.47	ppb	#	74
42) Methyl Cyclohexane	6.362	83	6133846	248.89	ppb	#	46
43) Methyl Methacrylate	6.365	69	2066646	177.49	ppb	#	98
44) Dibromomethane	6.421	93	1179399	148.75	ppb	#	89
45) Bromodichloromethane	6.583	83	3968412	166.94	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	3400710	221.65	ppb	#	93
47) 1,4-Dioxane	6.400	88	163523	2658.29	ppb	#	86
49) cis-1,3-Dichloropropene	7.013	75	4470999	165.82	ppb	#	52
50) 4-Methyl-2-Pentanone	7.124	43	1072443	148.58	ppb	#	66
52) Toluene	7.365	91	14080698	195.20	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913281.D
Acq On : 26 Aug 2020 6:09 am
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9081920A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 09:54:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

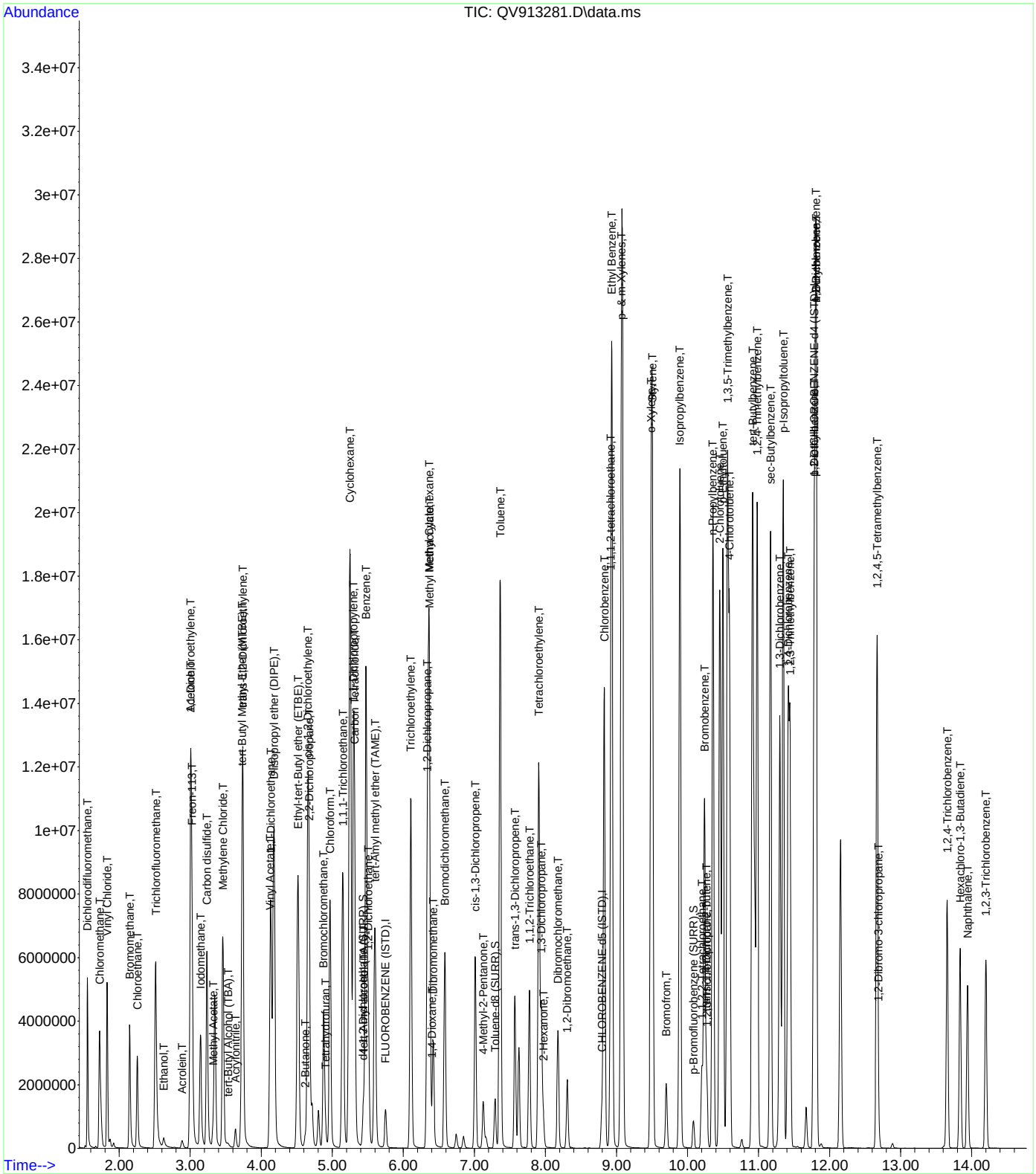
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.571	75	3375409	145.36	ppb	#	99
54) 1,1,2-Trichloroethane	7.775	97	1553307	138.01	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	2829082	142.90	ppb	#	68
56) Tetrachloroethylene	7.906	166	3523028	215.39	ppb	#	100
57) 2-Hexanone	7.970	43	668288	143.05	ppb	#	1
58) Dibromochloromethane	8.176	129	1948977	141.00	ppb	#	84
59) 1,2-Dibromoethane	8.307	107	1470908	137.06	ppb		93
60) Chlorobenzene	8.830	112	8245728	178.50	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.920	131	2745700	164.88	ppb	#	45
62) Ethyl Benzene	8.931	91	15491425	185.10	ppb		96
63) p- & m-Xylenes	9.068	91	22570662m	337.33	ppb		
64) o-Xylene	9.486	91	12455854	179.21	ppb		95
65) Styrene	9.507	104	8374989	168.02	ppb	#	82
66) Bromofrom	9.701	173	959613	128.11	ppb	#	81
68) p-Ethyltoluene	10.495	105	13567980	209.24	ppb	#	100
69) Isopropylbenzene	9.890	105	15635242	216.80	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.201	83	1367119	143.74	ppb	#	65
72) Bromobenzene	10.239	77	5250916	179.70	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.265	75	1899900	245.29	ppb	#	53
74) 1,2,3-Trichloropropane	10.271	110	401502	132.52	ppb	#	1
75) n-Propylbenzene	10.352	91	17372150m	210.80	ppb		
76) 2-Chlorotoluene	10.454	91	11048597	207.15	ppb		97
77) 4-Chlorotoluene	10.591	91	12521004	206.75	ppb		95
78) 1,3,5-Trimethylbenzene	10.565	105	12705004	207.23	ppb	#	59
79) tert-Butylbenzene	10.916	119	12175070	216.65	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.980	105	12514535	204.92	ppb		92
81) sec-Butylbenzene	11.169	105	15197961	231.20	ppb	#	92
82) 1,3-Dichlorobenzene	11.300	146	5809810	216.54	ppb		93
83) p-Isopropyltoluene	11.349	119	13088337	224.18	ppb		94
84) 1,4-Dichlorobenzene	11.416	146	5508006	208.02	ppb		92
85) 1,2,3-Trimethylbenzene	11.442	105	8099106	146.91	ppb	#	90
86) p-Diethylbenzene	11.782	105	6438630	219.92	ppb	#	51
87) 1,2-Dichlorobenzene	11.808	146	4172055	189.38	ppb	#	100
88) n-Butylbenzene	11.811	91	12777268m	209.61	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	309387	179.74	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.668	119	9598232	212.78	ppb	#	90
91) 1,2,4-Trichlorobenzene	13.656	180	2518477	284.28	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.840	225	1399336	270.82	ppb	#	65
93) Naphthalene	13.941	128	4256070	274.57	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	1964777	378.92	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913281.D
Acq On : 26 Aug 2020 6:09 am
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9081920A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 09:54:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	50.0	35.5	-28.9	30.00
1,1,1-Trichloroethane	50.0	46.7	-6.5	30.00
1,1,2,2-Tetrachloroethane	50.0	46.3	-7.5	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	49.7	-0.6	30.00
1,1,2-Trichloroethane	50.0	44.3	-11.5	30.00
1,1-Dichloroethane	50.0	45.1	-9.8	30.00
1,1-Dichloroethylene	50.0	48.2	-3.6	30.00
1,2,3-Trichlorobenzene	50.0	46.7	-6.7	30.00
1,2,3-Trichloropropane	50.0	44.0	-12.1	30.00
1,2,4-Trichlorobenzene	50.0	44.9	-10.3	30.00
1,2,4-Trimethylbenzene	50.0	43.6	-12.7	30.00
1,2-Dibromo-3-chloropropane	50.0	47.2	-5.5	30.00
1,2-Dibromoethane	50.0	45.6	-8.7	30.00
1,2-Dichlorobenzene	50.0	44.2	-11.6	30.00
1,2-Dichloroethane	50.0	45.2	-9.7	30.00
1,2-Dichloropropane	50.0	44.5	-11.0	30.00
1,3,5-Trimethylbenzene	50.0	45.4	-9.3	30.00
1,3-Dichlorobenzene	50.0	43.7	-12.6	30.00
1,4-Dichlorobenzene	50.0	43.4	-13.1	30.00
1,4-Dioxane	1050	1060	1.4	30.00
2-Butanone	50.0	52.2	4.4	30.00
2-Hexanone	50.0	46.6	-6.8	30.00
4-Methyl-2-pentanone	50.0	47.2	-5.6	30.00
Acetone	50.0	32.7	-34.6 *	30.00
Acrolein	50.0	37.2	-25.5	30.00
Acrylonitrile	50.0	48.7	-2.6	30.00
Benzene	50.0	46.4	-7.1	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Bromochloromethane	50.0	45.8	-8.5	30.00
Bromodichloromethane	50.0	46.2	-7.6	30.00
Bromoform	50.0	36.2	-27.7	30.00
Bromomethane	50.0	54.3	8.6	30.00
Carbon disulfide	50.0	51.2	2.4	30.00
Carbon tetrachloride	50.0	46.6	-6.7	30.00
Chlorobenzene	50.0	45.1	-9.8	30.00
Chloroethane	50.0	47.4	-5.3	30.00
Chloroform	50.0	45.5	-9.0	30.00
Chloromethane	50.0	59.3	18.6	30.00
cis-1,2-Dichloroethylene	50.0	45.2	-9.7	30.00
cis-1,3-Dichloropropylene	50.0	45.9	-8.2	30.00
Cyclohexane	50.0	49.3	-1.4	30.00
Dibromochloromethane	50.0	47.9	-4.2	30.00
Dibromomethane	50.0	44.4	-11.2	30.00
Dichlorodifluoromethane	50.0	49.6	-0.7	30.00
Ethyl Benzene	50.0	45.0	-10.0	30.00
Hexachlorobutadiene	50.0	48.0	-4.0	30.00
Isopropylbenzene	50.0	44.0	-11.9	30.00
Methyl acetate	50.0	44.9	-10.1	30.00
Methyl tert-butyl ether (MTBE)	50.0	48.1	-3.8	30.00
Methylcyclohexane	50.0	49.7	-0.7	30.00
Methylene chloride	50.0	48.1	-3.8	30.00
n-Butylbenzene	50.0	46.3	-7.4	30.00
n-Propylbenzene	50.0	44.0	-12.1	30.00
o-Xylene	50.0	44.9	-10.2	30.00
p- & m- Xylenes	100	90.9	-9.1	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
p-Isopropyltoluene	50.0	45.6	-8.7	30.00
sec-Butylbenzene	50.0	48.1	-3.8	30.00
Styrene	50.0	45.6	-8.9	30.00
tert-Butyl alcohol (TBA)	250	238	-4.8	30.00
tert-Butylbenzene	50.0	44.5	-10.9	30.00
Tetrachloroethylene	50.0	40.9	-18.3	30.00
Toluene	50.0	45.3	-9.5	30.00
trans-1,2-Dichloroethylene	50.0	47.8	-4.4	30.00
trans-1,3-Dichloropropylene	50.0	45.9	-8.2	30.00
trans-1,4-dichloro-2-butene	50.0	44.7	-10.6	30.00
Trichloroethylene	50.0	46.9	-6.2	30.00
Trichlorofluoromethane	50.0	47.2	-5.6	30.00
Vinyl Chloride	50.0	53.3	6.5	30.00

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	573258	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2048628	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	985291	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	888015	49.59	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery =	99.18%			
54) Toluene-d8 (SURR)	6.369	98	2739872	49.93	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery =	99.86%			
73) p-Bromofluorobenzene (...	9.106	95	1133457	49.45	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	98.90%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	354542	49.65	ppb	#	86
3) Chloromethane	1.291	50	662438	59.30	ppb	#	73
4) Vinyl Chloride	1.338	62	557192	53.26	ppb		100
5) Bromomethane	1.580	94	240395	54.31	ppb		98
6) Allyl Chloride	2.615	76	211622	46.63	ppb	#	100
7) Chloroethane	1.658	64	279618	47.37	ppb		99
8) Trichlorofluoromethane	1.839	101	875579	47.21	ppb		97
10) Freon-113	2.265	101	451890	49.70	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	713249	48.18	ppb		91
12) Acrolein	2.251	56	18485	37.25	ppb		95
13) Acetone	2.393	43	105638	32.68	ppb	#	21
14) Iodomethane	2.434	142	395036	51.64	ppb	#	20
15) Methyl Acetate	2.657	43	268994	44.94	ppb		95
16) Carbon disulfide	2.471	76	1185254	51.22	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	165703	238.06	ppb	#	1
18) Methylene Chloride	2.740	49	567343	48.08	ppb		86
19) Acrylonitrile	3.002	53	100423	48.69	ppb		97
20) trans-1,2-Dichloroethy...	2.952	61	629215	47.81	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	1060557	48.09	ppb		99
22) 1,1-Dichloroethane	3.336	63	777733	45.09	ppb	#	99
23) Vinyl Acetate	3.386	43	350825m	30.22	ppb		
24) Diisopropyl ether (DIPE)	3.353	45	1459082	45.29	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.675	59	1311310	47.27	ppb	#	97
26) cis-1,2-Dichloroethylene	3.862	61	702413	45.15	ppb		89
27) 2-Butanone	3.903	72	32286m	52.19	ppb		
28) 2,2-Dichloropropane	3.828	77	715717	46.13	ppb	#	87
29) Tetrahydrofuran	4.120	42	108933	47.51	ppb	#	73
30) Bromochloromethane	4.087	49	355631	45.75	ppb	#	61
31) Chloroform	4.159	83	749318	45.48	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	724046	46.74	ppb	#	85
33) Cyclohexane	4.285	56	813152	49.32	ppb		87
34) 1,1-Dichloropropylene	4.421	75	627888	46.59	ppb		82
36) Carbon Tetrachloride	4.410	117	548730	46.63	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	318447	535.64	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	585268	45.17	ppb		99
39) Benzene	4.616	78	1568570	46.43	ppb	#	84
40) tert-Amyl methyl ether...	4.696	73	1261089	49.83	ppb	#	90
42) Trichloroethylene	5.214	95	426915	46.89	ppb		81
43) Methyl Cyclohexane	5.336	83	795275	49.66	ppb	#	74
44) Methyl Methacrylate	5.551	69	214432	47.34	ppb	#	81
45) Dibromomethane	5.578	93	205958	44.42	ppb		91
46) Bromodichloromethane	5.731	83	521598	46.20	ppb		98
47) 1,2-Dichloropropane	5.445	63	393264	44.51	ppb	#	81
48) 1,4-Dioxane	5.601	88	64748	1064.19	ppb		85
49) 2-Chloroethyl vinyl ether	6.010	63	243257	66.05	ppb		96
50) 2-nitropropane	5.979	43	21695m	35.47	ppb		
51) cis-1,3-Dichloropropene	6.143	75	640318	45.91	ppb		88
52) ethyl methacrylate	6.764	69	430935	48.14	ppb	#	100

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

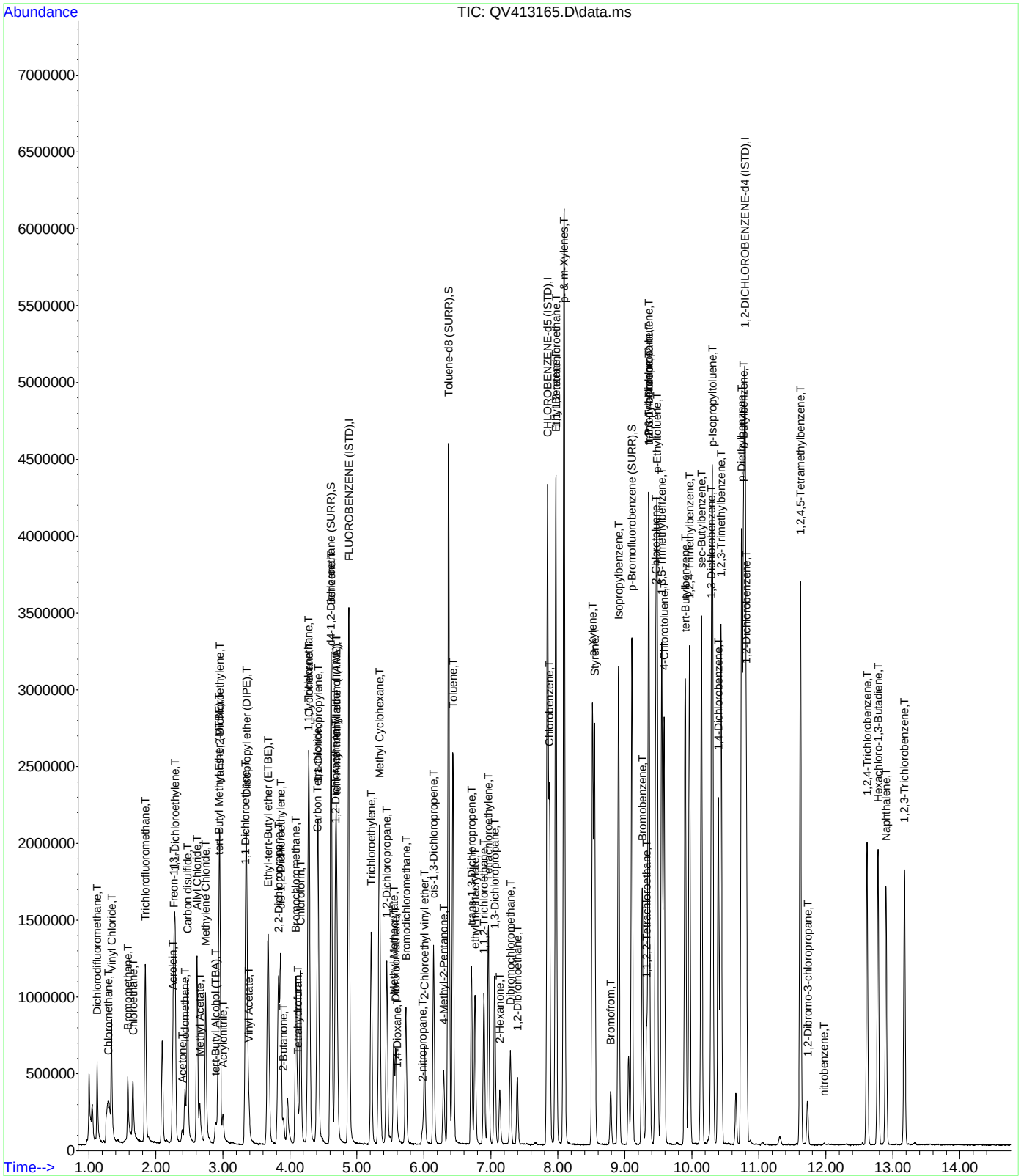
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.296	43	338329	47.20	ppb	#	86
55) Toluene	6.435	91	1694584	45.27	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	577836	45.89	ppb	#	91
57) 1,1,2-Trichloroethane	6.894	97	270869	44.26	ppb		91
58) 1,3-Dichloropropane	7.056	76	547413	45.21	ppb	#	73
59) Tetrachloroethylene	6.961	166	329210	40.87	ppb	#	77
60) 2-Hexanone	7.131	43	236035	46.58	ppb		92
61) Dibromochloromethane	7.289	129	304876	47.92	ppb		97
62) 1,2-Dibromoethane	7.395	107	288876	45.64	ppb		98
63) Chlorobenzene	7.874	112	1032957	45.10	ppb	#	84
64) 1,1,1,2-tetrachloroethane	7.971	131	331557	35.54	ppb	#	53
65) Ethyl Benzene	7.968	91	2098979	44.99	ppb		94
66) p- & m-Xylenes	8.091	91	3400222	90.89	ppb		90
67) o-Xylene	8.516	91	1664665	44.89	ppb		96
68) Styrene	8.547	104	1168410	45.55	ppb	#	100
69) Bromofrom	8.786	173	143845	36.17	ppb		99
71) p-Ethyltoluene	9.482	105	2302898	50.91	ppb	#	97
72) Isopropylbenzene	8.906	105	2027777	44.03	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.323	83	362456	46.27	ppb	#	100
75) Bromobenzene	9.259	77	753868	44.72	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.357	75	448796	44.71	ppb	#	56
77) 1,2,3-Trichloropropane	9.357	110	118528	43.97	ppb		89
78) n-Propylbenzene	9.357	91	2628789	43.95	ppb		94
79) 2-Chlorotoluene	9.462	91	1773600	45.06	ppb		97
80) 4-Chlorotoluene	9.585	91	1598298	40.38	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	1805420	45.35	ppb		90
82) tert-Butylbenzene	9.902	119	1486150	44.54	ppb		83
83) 1,2,4-Trimethylbenzene	9.963	105	1789867	43.64	ppb		87
84) sec-Butylbenzene	10.144	105	2405169	48.11	ppb		93
86) 1,3-Dichlorobenzene	10.291	146	805095	43.70	ppb	#	88
87) p-Isopropyltoluene	10.308	119	2061148	45.65	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	775101	43.44	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	1952323	53.93	ppb		92
90) nitrobenzene	11.969	77	3417m	38.29	ppb		
91) p-Diethylbenzene	10.742	105	1307356	55.20	ppb		95
92) 1,2-Dichlorobenzene	10.812	146	746307	44.21	ppb	#	88
93) n-Butylbenzene	10.770	91	2455909m	46.32	ppb		
94) 1,2-Dibromo-3-chloropr...	11.730	75	77787	47.24	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1984252	50.11	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	496057	44.86	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	316252	47.98	ppb	#	77
98) Naphthalene	12.898	128	1243231	46.55	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	446191	46.66	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00024 **Laboratory ID:** Y0H2624-SCV1

Sequence: Y0H2624 **Standard ID:** Y20H308

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	10.0	11.0	9.9	30.00
1,1,1-Trichloroethane	10.0	10.9	9.4	30.00
1,1,2,2-Tetrachloroethane	10.0	10.4	4.5	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.7	17.1	30.00
1,1,2-Trichloroethane	10.0	10.7	6.6	30.00
1,1-Dichloroethane	10.0	10.8	8.0	30.00
1,1-Dichloroethylene	10.0	11.5	14.8	30.00
1,2,3-Trichlorobenzene	10.0	10.3	3.1	30.00
1,2,3-Trichloropropane	10.0	10.5	4.6	30.00
1,2,4-Trichlorobenzene	10.0	10.8	7.9	30.00
1,2,4-Trimethylbenzene	10.0	11.1	10.8	30.00
1,2-Dibromo-3-chloropropane	10.0	9.93	-0.7	30.00
1,2-Dibromoethane	10.0	10.4	3.6	30.00
1,2-Dichlorobenzene	10.0	10.8	7.9	30.00
1,2-Dichloroethane	10.0	10.7	6.8	30.00
1,2-Dichloropropane	10.0	10.7	6.8	30.00
1,3,5-Trimethylbenzene	10.0	11.1	10.9	30.00
1,3-Dichlorobenzene	10.0	10.6	6.5	30.00
1,4-Dichlorobenzene	10.0	10.7	7.0	30.00
1,4-Dioxane	210	233	11.1	30.00
2-Butanone	10.0	10.8	7.7	30.00
2-Hexanone	10.0	10.9	9.2	30.00
4-Methyl-2-pentanone	10.0	10.2	1.8	30.00
Acetone	10.0	12.1	20.9	30.00
Acrolein	10.0	11.2	12.4	30.00
Acrylonitrile	10.0	9.97	-0.3	30.00
Benzene	10.0	11.4	14.1	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00024 **Laboratory ID:** Y0H2624-SCV1

Sequence: Y0H2624 **Standard ID:** Y20H308

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Bromochloromethane	10.0	10.5	4.7	30.00
Bromodichloromethane	10.0	10.6	5.5	30.00
Bromoform	10.0	10.2	2.4	30.00
Bromomethane	10.0	10.6	6.4	30.00
Carbon disulfide	10.0	11.6	15.5	30.00
Carbon tetrachloride	10.0	11.2	11.9	30.00
Chlorobenzene	10.0	11.1	11.2	30.00
Chloroethane	10.0	11.0	9.6	30.00
Chloroform	10.0	10.8	8.1	30.00
Chloromethane	10.0	11.5	15.2	30.00
cis-1,2-Dichloroethylene	10.0	10.9	8.8	30.00
cis-1,3-Dichloropropylene	10.0	10.7	6.8	30.00
Cyclohexane	10.0	11.9	19.1	30.00
Dibromochloromethane	10.0	10.7	7.4	30.00
Dibromomethane	10.0	10.1	0.8	30.00
Dichlorodifluoromethane	10.0	12.2	21.6	30.00
Ethyl Benzene	10.0	11.4	14.0	30.00
Hexachlorobutadiene	10.0	11.4	14.3	30.00
Isopropylbenzene	10.0	10.9	8.6	30.00
Methyl acetate	10.0	9.12	-8.8	30.00
Methyl tert-butyl ether (MTBE)	10.0	10.8	8.5	30.00
Methylcyclohexane	10.0	11.6	15.8	30.00
Methylene chloride	10.0	11.0	10.4	30.00
n-Butylbenzene	10.0	11.2	11.7	30.00
n-Propylbenzene	10.0	11.1	10.8	30.00
o-Xylene	10.0	11.1	10.7	30.00
p- & m- Xylenes	20.0	22.5	12.4	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyde

Calibration: YH00024 **Laboratory ID:** Y0H2624-SCV1

Sequence: Y0H2624 **Standard ID:** Y20H308

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
p-Isopropyltoluene	10.0	11.2	12.2	30.00
sec-Butylbenzene	10.0	11.8	17.5	30.00
Styrene	10.0	11.6	16.1	30.00
tert-Butyl alcohol (TBA)	50.0	43.6	-12.9	30.00
tert-Butylbenzene	10.0	9.68	-3.2	30.00
Tetrachloroethylene	10.0	11.2	11.8	30.00
Toluene	10.0	11.2	12.3	30.00
trans-1,2-Dichloroethylene	10.0	11.7	16.7	30.00
trans-1,3-Dichloropropylene	10.0	10.1	1.0	30.00
trans-1,4-dichloro-2-butene	10.0	10.5	5.1	30.00
Trichloroethylene	10.0	11.2	12.3	30.00
Trichlorofluoromethane	10.0	11.8	17.9	30.00
Vinyl Chloride	10.0	11.8	17.6	30.00

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913284.D
Acq On : 26 Aug 2020 7:26 am
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9081920A
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 26 10:50:43 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	202793	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	736215	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	204573	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	178625	9.85	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 98.50%				
51) Toluene-d8 (SURR)	7.289	98	1040822	10.02	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 100.20%				
70) p-Bromofluorobenzene (...	10.079	95	354225	9.81	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	215002	12.16	ppb	#	1
3) Chloromethane	1.724	50	280672	11.52	ppb		92
4) Vinyl Chloride	1.832	62	248874	11.76	ppb	#	98
5) Bromomethane	2.149	94	118157	10.64	ppb		99
6) Chloroethane	2.259	64	135212	10.96	ppb	#	19
7) Trichlorofluoromethane	2.512	101	344170	11.79	ppb	#	19
9) Freon-113	3.023	101	199929	11.71	ppb	#	1
10) 1,1-Dichloroethylene	3.003	61	371581	11.48	ppb	#	83
11) Acrolein	2.878	56	9608	11.24	ppb	#	1
12) Acetone	3.012	43	22355	12.09	ppb	#	1
13) Iodomethane	3.148	142	265795	12.33	ppb	#	72
14) Methyl Acetate	3.323	43	38855	9.12	ppb	#	1
15) Carbon disulfide	3.233	76	525969	11.55	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	29166	43.55	ppb	#	1
17) Methylene Chloride	3.462	49	266776	11.04	ppb	#	88
18) Acrylonitrile	3.637	53	26237	9.97	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	356123	11.67	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	295482	10.85	ppb	#	94
21) 1,1-Dichloroethane	4.131	63	429472	10.80	ppb	#	99
22) Vinyl Acetate	4.119	43	108013	9.25	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	595736	10.20	ppb	#	56
24) Ethyl-tert-Butyl ether...	4.517	59	546763	11.20	ppb	#	95
25) cis-1,2-Dichloroethylene	4.654	61	376828	10.88	ppb	#	88
26) 2-Butanone	4.616	72	6221	10.77	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	280443	10.43	ppb	#	83
28) Tetrahydrofuran	4.909	42	16661	9.86	ppb	#	1
29) Bromochloromethane	4.877	49	146126	10.47	ppb	#	33
30) Chloroform	4.965	83	363883	10.81	ppb	#	96
31) 1,1,1-Trichloroethane	5.145	97	370606	10.94	ppb	#	72
32) Cyclohexane	5.244	56	488087	11.91	ppb	#	73
33) 1,1-Dichloropropylene	5.296	75	318006	11.32	ppb	#	64
35) Carbon Tetrachloride	5.310	117	318544	11.19	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.438	59	47885	105.78	ppb	#	16
37) 1,2-Dichloroethane	5.502	62	204330	10.68	ppb	#	98
38) Benzene	5.470	78	862342	11.41	ppb	#	96
39) tert-Amyl methyl ether...	5.598	73	344229	10.82	ppb	#	1
41) Trichloroethylene	6.104	95	237117	11.23	ppb	#	75
42) Methyl Cyclohexane	6.357	83	411963	11.58	ppb	#	49
43) Methyl Methacrylate	6.362	69	130920	11.01	ppb	#	98
44) Dibromomethane	6.418	93	67682	10.08	ppb	#	89
45) Bromodichloromethane	6.583	83	236656	10.55	ppb	#	98
46) 1,2-Dichloropropane	6.333	63	218961	10.68	ppb	#	94
47) 1,4-Dioxane	6.394	88	10659	233.37	ppb	#	86
49) cis-1,3-Dichloropropene	7.008	75	271612	10.68	ppb	#	59
50) 4-Methyl-2-Pentanone	7.124	43	64097	10.18	ppb	#	70
52) Toluene	7.359	91	963443	11.23	ppb		100
53) trans-1,3-Dichloropropene	7.565	75	192044	10.10	ppb	#	88

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913284.D
Acq On : 26 Aug 2020 7:26 am
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9081920A
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 26 10:50:43 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

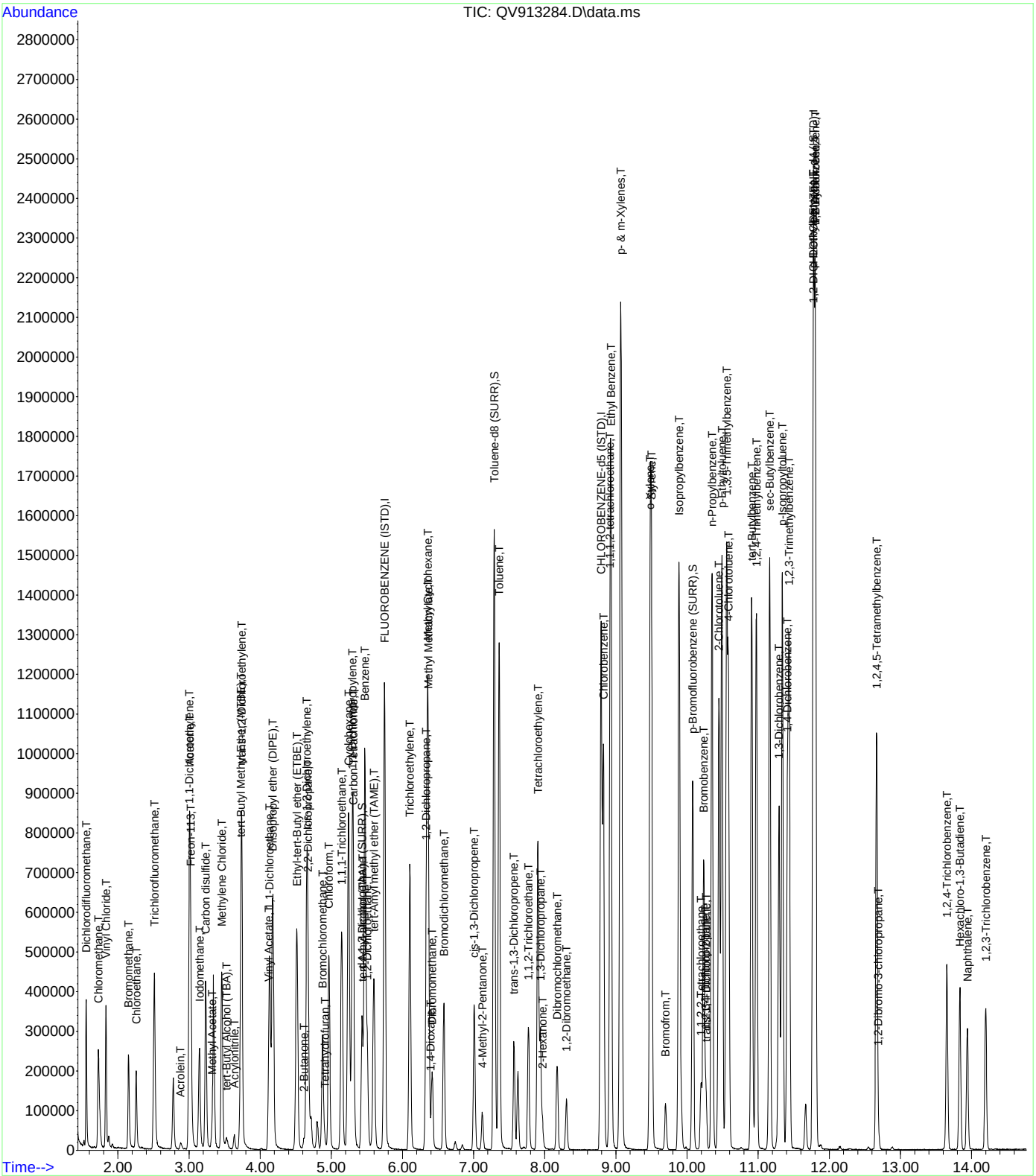
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.769	97	98697	10.66	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	174720	10.50	ppb	#	96
56) Tetrachloroethylene	7.905	166	233044	11.18	ppb	#	100
57) 2-Hexanone	7.966	43	42581	10.92	ppb	#	1
58) Dibromochloromethane	8.176	129	116188	10.74	ppb	#	84
59) 1,2-Dibromoethane	8.304	107	87947	10.36	ppb		92
60) Chlorobenzene	8.827	112	552037	11.12	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.917	131	179706	10.99	ppb	#	46
62) Ethyl Benzene	8.931	91	1117773	11.40	ppb		96
63) p- & m-Xylenes	9.068	91	1723791	22.49	ppb		93
64) o-Xylene	9.481	91	845907	11.07	ppb		96
65) Styrene	9.501	104	586672	11.61	ppb	#	82
66) Bromofrom	9.698	173	54189	10.24	ppb	#	94
68) p-Ethyltoluene	10.492	105	1015266	11.60	ppb	#	97
69) Isopropylbenzene	9.887	105	1096528	10.86	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.195	83	88016	10.45	ppb	#	65
72) Bromobenzene	10.233	77	348691	10.69	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.268	75	124116m	10.51	ppb		
74) 1,2,3-Trichloropropane	10.262	110	25707	10.46	ppb	#	1
75) n-Propylbenzene	10.352	91	1309388	11.08	ppb	#	90
76) 2-Chlorotoluene	10.448	91	752324	10.73	ppb		98
77) 4-Chlorotoluene	10.582	91	829311	10.63	ppb		95
78) 1,3,5-Trimethylbenzene	10.559	105	886814	11.09	ppb	#	62
79) tert-Butylbenzene	10.910	119	733987	9.68	ppb	#	86
80) 1,2,4-Trimethylbenzene	10.977	105	844270	11.08	ppb		94
81) sec-Butylbenzene	11.163	105	1117029	11.75	ppb	#	94
82) 1,3-Dichlorobenzene	11.294	146	377093	10.65	ppb		94
83) p-Isopropyltoluene	11.340	119	898473	11.22	ppb		96
84) 1,4-Dichlorobenzene	11.410	146	360398	10.70	ppb		92
85) 1,2,3-Trimethylbenzene	11.433	105	760467	14.98	ppb	#	91
86) p-Diethylbenzene	11.773	105	503616	12.45	ppb	#	62
87) 1,2-Dichlorobenzene	11.802	146	293146	10.79	ppb	#	100
88) n-Butylbenzene	11.802	91	900477m	11.17	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	18070	9.93	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.665	119	615480	10.82	ppb	#	92
91) 1,2,4-Trichlorobenzene	13.653	180	152590	10.79	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.834	225	90142	11.43	ppb	#	66
93) Naphthalene	13.941	128	248878	9.99	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	116446	10.31	ppb	#	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913284.D
Acq On : 26 Aug 2020 7:26 am
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9081920A
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 26 10:50:43 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413999.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0440	Injection Date:	09/04/20
Lab Sample ID:	Y0I0440-CCV1	Injection Time:	03:48

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	L	50.0	44.5	0.1807482	0.2027351		-11.0	20	
1,1,1-Trichloroethane	A	50.0	50.8	1.35124	1.37166	0.1	1.5	20	
1,1,2,2-Tetrachloroethane	A	50.0	58.8	0.3975603	0.4671421	0.3	17.5	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	57.1	0.7931214	0.9060932	0.1	14.2	20	
1,1,2-Trichloroethane	A	50.0	54.7	0.1493515	0.1632877	0.1	9.3	20	
1,1-Dichloroethane	A	50.0	48.7	1.504345	1.463918	0.2	-2.7	20	
1,1-Dichloroethylene	A	50.0	42.3	1.291159	1.092651	0.1	-15.4	20	
1,2,3-Trichlorobenzene	A	50.0	60.8	0.4852821	0.5900023		21.6	20	*
1,2,3-Trichloropropane	A	50.0	58.3	0.1367891	0.1594307		16.6	20	
1,2,4-Trichlorobenzene	A	50.0	58.8	0.5611112	0.6596837	0.2	17.6	20	
1,2,4-Trimethylbenzene	A	50.0	53.1	2.081242	2.209928		6.2	20	
1,2-Dibromo-3-chloropropane	A	50.0	59.6	8.356553E-02	9.963128E-02	0.05	19.2	20	
1,2-Dibromoethane	A	50.0	54.0	0.1544719	0.1666887	0.1	7.9	20	
1,2-Dichlorobenzene	A	50.0	55.0	0.8566001	0.9417764	0.4	9.9	20	
1,2-Dichloroethane	A	50.0	52.0	1.130085	1.17424	0.1	3.9	20	
1,2-Dichloropropane	A	50.0	50.9	0.2156655	0.2196826	0.1	1.9	20	
1,3,5-Trimethylbenzene	A	50.0	52.0	2.02041	2.100386		4.0	20	
1,3-Dichlorobenzene	A	50.0	54.6	0.9349307	1.020899	0.6	9.2	20	
1,4-Dichlorobenzene	A	50.0	54.1	0.9055455	0.9805145	0.5	8.3	20	
1,4-Dioxane	A	1000	1210	1.484957E-03	1.790098E-03		20.5	20	*
2-Butanone	A	50.0	48.1	0.0539544	5.194013E-02	0.1	-3.7	20	
2-Hexanone	A	50.0	57.0	0.1236723	0.1409175	0.1	13.9	20	
4-Methyl-2-pentanone	A	50.0	56.4	0.1749533	0.1975045	0.1	12.9	20	
Acetone	A	50.0	41.1	0.2819448	0.2316983	0.1	-17.8	20	
Acrolein	L	50.0	115	6.800527E-02	9.913179E-02		129	20	*
Acrylonitrile	A	50.0	58.4	0.179878	0.2101955		16.9	20	
Benzene	A	50.0	47.6	2.946759	2.803804	0.5	-4.9	20	
Bromochloromethane	A	50.0	49.7	0.6780198	0.6744617		-0.5	20	
Bromodichloromethane	A	50.0	52.6	0.2755562	0.2901699	0.2	5.3	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413999.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0440	Injection Date:	09/04/20
Lab Sample ID:	Y0I0440-CCV1	Injection Time:	03:48

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	L	50.0	44.5	7.283191E-02	8.636991E-02	0.1	-11.0	20	
Bromomethane	A	50.0	70.8	0.3861049	0.5467985	0.1	41.6	20	*
Carbon disulfide	A	50.0	24.3	2.018406	0.9805058	0.1	-51.4	20	*
Carbon tetrachloride	A	50.0	50.8	1.026493	1.042815	0.1	1.6	20	
Chlorobenzene	A	50.0	52.7	0.5589409	0.589305	0.5	5.4	20	
Chloroethane	A	50.0	65.8	0.5148365	0.6775137	0.1	31.6	20	*
Chloroform	A	50.0	52.2	1.437048	1.499311	0.2	4.3	20	
Chloromethane	A	50.0	69.8	0.9743763	1.35923	0.1	39.5	20	*
cis-1,2-Dichloroethylene	A	50.0	48.6	1.356842	1.317714	0.1	-2.9	20	
cis-1,3-Dichloropropylene	A	50.0	51.9	0.3403912	0.3535904	0.2	3.9	20	
Cyclohexane	A	50.0	41.6	1.437963	1.197394	0.1	-16.7	20	
Dibromochloromethane	A	50.0	56.9	0.1552863	0.176711	0.1	13.8	20	
Dibromomethane	A	50.0	52.0	0.1131589	0.1177492		4.1	20	
Dichlorodifluoromethane	Q	50.0	65.0	0.5226794	0.8098896	0.1	30.0	20	*
Ethyl Benzene	A	50.0	50.9	1.138782	1.158345	0.1	1.7	20	
Hexachlorobutadiene	A	50.0	55.9	0.3344537	0.3739426		11.8	20	
Isopropylbenzene	A	50.0	52.0	2.337246	2.42968	0.1	4.0	20	
Methyl acetate	A	50.0	48.1	0.5221214	0.5024755	0.1	-3.8	20	
Methyl tert-butyl ether (MTBE)	A	50.0	53.5	1.923452	2.05753	0.1	7.0	20	
Methylcyclohexane	A	50.0	42.5	0.3908827	0.3323748	0.1	-15.0	20	
Methylene chloride	A	50.0	47.1	1.029307	0.9690289	0.1	-5.9	20	
n-Butylbenzene	A	50.0	58.0	2.690516	3.121014		16.0	20	
n-Propylbenzene	A	50.0	52.7	3.035225	3.198108		5.4	20	
o-Xylene	A	50.0	50.9	0.9050673	0.9206412	0.3	1.7	20	
p- & m- Xylenes	A	100	104	0.913102	0.9505706	0.1	4.1	20	
p-Isopropyltoluene	A	50.0	53.7	2.291279	2.458855		7.3	20	
sec-Butylbenzene	A	50.0	52.4	2.537086	2.661083		4.9	20	
Styrene	A	50.0	52.6	0.6260358	0.6582733	0.3	5.1	20	
tert-Butyl alcohol (TBA)	A	50.0	53.5	6.071175E-02	6.500141E-02		7.1	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV413999.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I0440	Injection Date:	09/04/20
Lab Sample ID:	Y0I0440-CCV1	Injection Time:	03:48

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butylbenzene	A	50.0	52.1	1.693168	1.764084		4.2	20
Tetrachloroethylene	A	50.0	47.6	0.1965813	0.1873315	0.2 *	-4.7	20
Toluene	A	50.0	48.1	0.9136906	0.879606	0.4	-3.7	20
trans-1,2-Dichloroethylene	A	50.0	42.2	1.147794	0.9676041	0.1	-15.7	20
trans-1,3-Dichloropropylene	A	50.0	54.0	0.3072891	0.3316533	0.1	7.9	20
trans-1,4-dichloro-2-butene	A	50.0	57.4	0.5094398	0.5848518		14.8	20
Trichloroethylene	A	50.0	47.3	0.222235	0.2101525	0.2	-5.4	20
Trichlorofluoromethane	A	50.0	68.7	1.617571	2.222516	0.1	37.4	20 *
Vinyl Chloride	A	50.0	71.6	0.9124362	1.30715	0.1	43.3	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413999.D
Acq On : 4 Sep 2020 3:48 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090320B
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 04 04:18:50 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	419714	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1526006	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	746914	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	659067	50.27	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.54%				
54) Toluene-d8 (SURR)	6.369	98	2044784	50.03	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.06%				
73) p-Bromofluorobenzene (...	9.103	95	844826	48.62	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 97.24%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.118	85	339922	65.02	ppb		100
3) Chloromethane	1.291	50	570488	69.75	ppb		98
4) Vinyl Chloride	1.333	62	548629	71.63	ppb	#	86
5) Bromomethane	1.580	94	229499	70.81	ppb		96
6) Allyl Chloride	2.610	76	152272	45.83	ppb	#	100
7) Chloroethane	1.655	64	284362	65.80	ppb		100
8) Trichlorofluoromethane	1.839	101	932821	68.70	ppb		97
9) Ethanol	2.098	45	244347	4048.55	ppb		82
10) Freon-113	2.259	101	380300	57.12	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	458601	42.31	ppb		81
12) Acrolein	2.251	56	41607	114.51	ppb		95
13) Acetone	2.393	43	97247	41.09	ppb	#	41
14) Iodomethane	2.434	142	256792	45.85	ppb	#	20
15) Methyl Acetate	2.651	43	210896	48.12	ppb		95
16) Carbon disulfide	2.471	76	411532	24.29	ppb		100
17) tert-Butyl Alcohol (TBA)	2.888	59	27282m	53.53	ppb		
18) Methylene Chloride	2.740	49	406715	47.07	ppb		86
19) Acrylonitrile	2.996	53	88222	58.43	ppb		99
20) trans-1,2-Dichloroethy...	2.952	61	406117	42.15	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	863574	53.49	ppb	#	93
22) 1,1-Dichloroethane	3.339	63	614427	48.66	ppb	#	100
23) Vinyl Acetate	3.383	43	480107	56.49	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	1255980	53.24	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.675	59	1055973	51.99	ppb	#	96
26) cis-1,2-Dichloroethylene	3.862	61	553063	48.56	ppb		90
27) 2-Butanone	3.903	72	21800	48.13	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	580379	51.09	ppb		96
29) Tetrahydrofuran	4.118	42	98066	58.42	ppb	#	76
30) Bromochloromethane	4.087	49	283081	49.74	ppb		83
31) Chloroform	4.159	83	629282	52.17	ppb		100
32) 1,1,1-Trichloroethane	4.276	97	575705	50.76	ppb		100
33) Cyclohexane	4.285	56	502563	41.64	ppb		89
34) 1,1-Dichloropropylene	4.418	75	436869	44.27	ppb		91
36) Carbon Tetrachloride	4.407	117	437684	50.80	ppb		100
37) tert-Amyl alcohol (TAA)	4.688	59	283582	651.50	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	492845	51.95	ppb		99
39) Benzene	4.618	78	1176796	47.57	ppb	#	84
40) tert-Amyl methyl ether...	4.694	73	1059651	57.19	ppb	#	90
42) Trichloroethylene	5.214	95	320694	47.28	ppb		82
43) Methyl Cyclohexane	5.336	83	507206	42.52	ppb	#	75
44) Methyl Methacrylate	5.548	69	191909	56.88	ppb	#	97
45) Dibromomethane	5.578	93	179686	52.03	ppb		91
46) Bromodichloromethane	5.729	83	442801	52.65	ppb		99
47) 1,2-Dichloropropane	5.445	63	335237	50.93	ppb	#	81
48) 1,4-Dioxane	5.603	88	54634	1205.49	ppb	#	64
49) 2-Chloroethyl vinyl ether	6.010	63	165931	60.48	ppb		98
50) 2-nitropropane	5.979	43	35014	71.30	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	539581	51.94	ppb		88

Data Path : C:\msdchem\1\data\090220\
Data File : QV413999.D
Acq On : 4 Sep 2020 3:48 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090320B
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 04 04:18:50 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

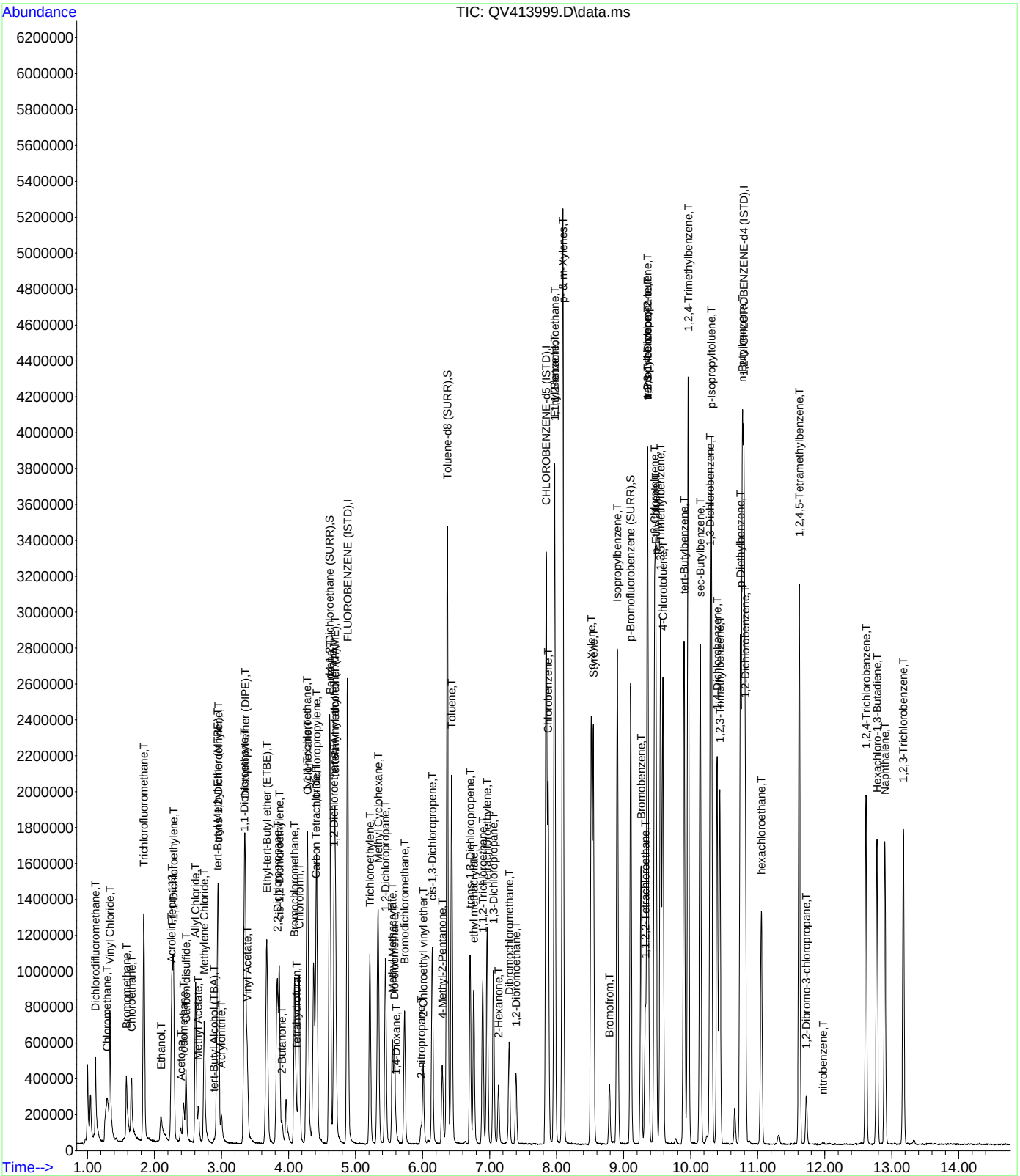
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.764	69	378401	56.75	ppb	#	100
53) 4-Methyl-2-Pentanone	6.293	43	301393	56.44	ppb	#	86
55) Toluene	6.433	91	1342284	48.13	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	506105	53.96	ppb		98
57) 1,1,2-Trichloroethane	6.897	97	249178	54.67	ppb		91
58) 1,3-Dichloropropane	7.056	76	475978	52.77	ppb	#	91
59) Tetrachloroethylene	6.961	166	285869	47.65	ppb		93
60) 2-Hexanone	7.134	43	215041	56.97	ppb		91
61) Dibromochloromethane	7.292	129	269662	56.90	ppb		97
62) 1,2-Dibromoethane	7.392	107	254368	53.95	ppb		97
63) Chlorobenzene	7.874	112	899283	52.72	ppb	#	86
64) 1,1,1,2-tetrachloroethane	7.971	131	309375	44.51	ppb	#	53
65) Ethyl Benzene	7.968	91	1767641	50.86	ppb		94
66) p- & m-Xylenes	8.094	91	2901153	104.10	ppb		91
67) o-Xylene	8.519	91	1404904	50.86	ppb		96
68) Styrene	8.547	104	1004529	52.57	ppb	#	100
69) Bromofrom	8.786	173	131801	44.49	ppb	#	81
71) p-Ethyltoluene	9.482	105	1781833	51.97	ppb	#	97
72) Isopropylbenzene	8.903	105	1814762	51.98	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.323	83	348915	58.75	ppb	#	100
75) Bromobenzene	9.259	77	664357	51.98	ppb	#	75
76) trans-1,4-Dichloro-2-b...	9.354	75	436834	57.40	ppb	#	51
77) 1,2,3-Trichloropropane	9.354	110	119081	58.28	ppb		94
78) n-Propylbenzene	9.354	91	2388712	52.68	ppb		95
79) 2-Chlorotoluene	9.462	91	1555756	52.14	ppb		97
80) 4-Chlorotoluene	9.585	91	1441221	48.04	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	1568808	51.98	ppb		90
82) tert-Butylbenzene	9.902	119	1317619	52.09	ppb		83
83) 1,2,4-Trimethylbenzene	9.963	105	1650626	53.09	ppb		88
84) sec-Butylbenzene	10.144	105	1987600	52.44	ppb		93
85) hexachloroethane	11.051	117	235677	46.29	ppb	#	100
86) 1,3-Dichlorobenzene	10.291	146	762524	54.60	ppb	#	88
87) p-Isopropyltoluene	10.308	119	1836553	53.66	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	732360	54.14	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	1111381	40.50	ppb		93
90) nitrobenzene	11.972	77	4452m	68.41	ppb		
91) p-Diethylbenzene	10.742	105	964368	53.72	ppb	#	21
92) 1,2-Dichlorobenzene	10.815	146	703426	54.97	ppb		96
93) n-Butylbenzene	10.770	91	2331129	58.00	ppb	#	93
94) 1,2-Dibromo-3-chloropr...	11.724	75	74416	59.61	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1650683	54.99	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	492727	58.78	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	279303	55.90	ppb	#	79
98) Naphthalene	12.896	128	1219295	60.23	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	440681	60.79	ppb		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV413999.D
Acq On : 4 Sep 2020 3:48 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090320B
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 04 04:18:50 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913531.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I0443	Injection Date:	09/03/20
Lab Sample ID:	Y0I0443-CCV1	Injection Time:	10:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	10.0	11.4	0.2221162	0.2523883		13.6	20
1,1,1-Trichloroethane	A	10.0	11.1	1.67002	1.849948	0.1	10.8	20
1,1,2,2-Tetrachloroethane	A	10.0	10.0	0.4117028	0.4134313	0.3	0.4	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne (Freon 113)	A	10.0	9.68	0.8417352	0.8144639	0.1	-3.2	20
1,1,2-Trichloroethane	A	10.0	9.99	0.1257684	0.1257045	0.1	-0.05	20
1,1-Dichloroethane	A	10.0	9.60	1.960854	1.882779	0.2	-4.0	20
1,1-Dichloroethylene	A	10.0	8.33	1.595689	1.329857	0.1	-16.7	20
1,2,3-Trichlorobenzene	A	10.0	10.4	0.5521393	0.5737043		3.9	20
1,2,3-Trichloropropane	A	10.0	11.0	0.12015	0.1321002		9.9	20
1,2,4-Trichlorobenzene	A	10.0	10.8	0.6913543	0.7494595	0.2	8.4	20
1,2,4-Trimethylbenzene	A	10.0	11.4	3.725981	4.260035		14.3	20
1,2-Dibromo-3-chloropropane	A	10.0	10.6	8.894596E-02	9.380356E-02	0.05	5.5	20
1,2-Dibromoethane	A	10.0	10.0	0.1153022	0.1153452	0.1	0.04	20
1,2-Dichlorobenzene	A	10.0	11.4	1.328275	1.517185	0.4	14.2	20
1,2-Dichloroethane	A	10.0	10.7	0.9431693	1.008066	0.1	6.9	20
1,2-Dichloropropane	A	10.0	9.90	0.2785566	0.2758394	0.1	-1.0	20
1,3,5-Trimethylbenzene	A	10.0	11.6	3.907363	4.525725		15.8	20
1,3-Dichlorobenzene	A	10.0	11.2	1.730532	1.942128	0.6	12.2	20
1,4-Dichlorobenzene	A	10.0	11.2	1.645807	1.842576	0.5	12.0	20
1,4-Dioxane	A	200	206	6.20386E-04	6.392728E-04		3.0	20
2-Butanone	A	10.0	8.65	2.849649E-02	2.464427E-02	0.1	-13.5	20
2-Hexanone	A	10.0	9.89	5.298744E-02	5.242138E-02	0.1	-1.1	20
4-Methyl-2-pentanone	A	10.0	9.66	8.550734E-02	8.257047E-02	0.1	-3.4	20
Acetone	L	10.0	10.1	0.1438723	9.220199E-02	0.1	1.1	20
Acrolein	A	10.0	9.58	4.214389E-02	4.036623E-02		-4.2	20
Acrylonitrile	A	10.0	8.22	0.1297412	0.1066999		-17.8	20
Benzene	A	10.0	9.06	3.72665	3.37652	0.5	-9.4	20
Bromochloromethane	A	10.0	9.45	0.6882402	0.6504447		-5.5	20
Bromodichloromethane	A	10.0	11.0	0.304741	0.3363814	0.2	10.4	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913531.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I0443	Injection Date:	09/03/20
Lab Sample ID:	Y0I0443-CCV1	Injection Time:	10:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	A	10.0	10.2	7.188973E-02	7.328313E-02	0.1	1.9	20	
Bromomethane	A	10.0	4.58	0.5474592	0.2506173	0.1	-54.2	20	*
Carbon disulfide	A	10.0	4.71	2.246164	1.058105	0.1	-52.9	20	*
Carbon tetrachloride	A	10.0	10.8	1.403138	1.512322	0.1	7.8	20	
Chlorobenzene	A	10.0	10.5	0.6740761	0.7098437	0.5	5.3	20	
Chloroethane	A	10.0	9.83	0.608247	0.5976042	0.1	-1.7	20	
Chloroform	A	10.0	10.6	1.660497	1.76013	0.2	6.0	20	
Chloromethane	A	10.0	9.43	1.201174	1.133233	0.1	-5.7	20	
cis-1,2-Dichloroethylene	A	10.0	10.1	1.707556	1.730555	0.1	1.3	20	
cis-1,3-Dichloropropylene	A	10.0	10.2	0.3453457	0.3524373	0.2	2.1	20	
Cyclohexane	L	10.0	10.2	2.247389	2.072015	0.1	2.5	20	
Dibromochloromethane	A	10.0	10.5	0.1469266	0.1538547	0.1	4.7	20	
Dibromomethane	A	10.0	10.1	9.123417E-02	9.249859E-02		1.4	20	
Dichlorodifluoromethane	A	10.0	12.3	0.8717251	1.073296	0.1	23.1	20	*
Ethyl Benzene	A	10.0	11.1	1.331776	1.473167	0.1	10.6	20	
Hexachlorobutadiene	A	10.0	11.6	0.3856416	0.4453933		15.5	20	
Isopropylbenzene	A	10.0	11.3	4.937482	5.566733	0.1	12.7	20	
Methyl acetate	A	10.0	9.68	0.2101543	0.2033524	0.1	-3.2	20	
Methyl tert-butyl ether (MTBE)	A	10.0	9.80	1.342444	1.316067	0.1	-2.0	20	
Methylcyclohexane	A	10.0	8.82	0.4832781	0.426204	0.1	-11.8	20	
Methylene chloride	A	10.0	8.76	1.191051	1.042878	0.1	-12.4	20	
n-Butylbenzene	A	10.0	11.9	3.939392	4.688196		19.0	20	
n-Propylbenzene	A	10.0	11.5	5.779159	6.671688		15.4	20	
o-Xylene	A	10.0	11.2	1.037678	1.158979	0.3	11.7	20	
p- & m- Xylenes	A	20.0	22.7	1.041078	1.183531	0.1	13.7	20	
p-Isopropyltoluene	A	10.0	11.7	3.914175	4.575172		16.9	20	
sec-Butylbenzene	A	10.0	11.6	4.645922	5.375793		15.7	20	
Styrene	A	10.0	11.2	0.6861538	0.7706497	0.3	12.3	20	
tert-Butyl alcohol (TBA)	L	10.0	8.53	4.023808E-02	2.816792E-02		-14.7	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913531.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I0443	Injection Date:	09/03/20
Lab Sample ID:	Y0I0443-CCV1	Injection Time:	10:40

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
tert-Butylbenzene	A	10.0	11.5	3.705221	4.245262		14.6	20	
Tetrachloroethylene	A	10.0	10.6	0.2832471	0.3014385	0.2	6.4	20	
Toluene	A	10.0	9.73	1.165704	1.13419	0.4	-2.7	20	
trans-1,2-Dichloroethylene	A	10.0	8.26	1.504407	1.242891	0.1	-17.4	20	
trans-1,3-Dichloropropylene	A	10.0	10.9	0.2582602	0.2813082	0.1	8.9	20	
trans-1,4-dichloro-2-butene	A	10.0	10.5	0.5770014	0.6058255		5.0	20	
Trichloroethylene	A	10.0	9.91	0.2867988	0.2841978	0.2	-0.9	20	
Trichlorofluoromethane	A	10.0	12.6	1.439073	1.818815	0.1	26.4	20	*
Vinyl Chloride	A	10.0	9.97	1.043492	1.040791	0.1	-0.3	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913531.D
Acq On : 3 Sep 2020 10:40 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090320A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 16:57:41 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	141331	10.00	ppb		# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.789	117	496267	10.00	ppb		# 0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	138289	10.00	ppb		# 0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.432	65	142353	11.27	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 112.70%				
51) Toluene-d8 (SURR)	7.289	98	702309	10.03	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 100.30%				
70) p-Bromofluorobenzene (...	10.082	95	240513	9.85	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 98.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	151690	12.31	ppb	#	1
3) Chloromethane	1.727	50	160161	9.43	ppb		92
4) Vinyl Chloride	1.832	62	147096	9.97	ppb	#	98
5) Bromomethane	2.152	94	35420	4.58	ppb		100
6) Chloroethane	2.259	64	84460	9.83	ppb	#	20
7) Trichlorofluoromethane	2.512	101	257055	12.64	ppb	#	20
8) Ethanol	2.628	45	13107	444.82	ppb	#	1
9) Freon-113	3.020	101	115109	9.68	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	187950	8.33	ppb	#	77
11) Acrolein	2.881	56	5705	9.58	ppb	#	1
12) Acetone	3.006	43	13031	10.11	ppb	#	1
13) Iodomethane	3.148	142	58444	3.89	ppb	#	71
14) Methyl Acetate	3.323	43	28740	9.68	ppb	#	1
15) Carbon disulfide	3.236	76	149543	4.71	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.535	59	3981	8.53	ppb	#	1
17) Methylene Chloride	3.462	49	147391	8.76	ppb		90
18) Acrylonitrile	3.637	53	15080	8.22	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	175659	8.26	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	186001	9.80	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	266095	9.60	ppb	#	99
22) Vinyl Acetate	4.119	43	88725	10.91	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	413681	10.16	ppb	#	54
24) Ethyl-tert-Butyl ether...	4.514	59	353782	10.40	ppb	#	95
25) cis-1,2-Dichloroethylene	4.657	61	244581	10.13	ppb	#	89
26) 2-Butanone	4.616	72	3483	8.65	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	257820	13.76	ppb	#	88
28) Tetrahydrofuran	4.904	42	11163	9.48	ppb	#	18
29) Bromochloromethane	4.875	49	91928	9.45	ppb	#	33
30) Chloroform	4.965	83	248761	10.60	ppb	#	97
31) 1,1,1-Trichloroethane	5.145	97	261455	11.08	ppb	#	26
32) Cyclohexane	5.244	56	292840m	10.25	ppb		
33) 1,1-Dichloropropylene	5.293	75	183242	9.36	ppb	#	54
35) Carbon Tetrachloride	5.305	117	213738	10.78	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.438	59	29416	93.24	ppb	#	1
37) 1,2-Dichloroethane	5.502	62	142471	10.69	ppb	#	98
38) Benzene	5.473	78	477207	9.06	ppb	#	95
39) tert-Amyl methyl ether...	5.595	73	227031	10.24	ppb	#	1
41) Trichloroethylene	6.104	95	141038	9.91	ppb	#	74
42) Methyl Cyclohexane	6.357	83	211511	8.82	ppb	#	54
43) Methyl Methacrylate	6.362	69	71727	8.95	ppb	#	98
44) Dibromomethane	6.418	93	45904	10.14	ppb	#	49
45) Bromodichloromethane	6.580	83	166935	11.04	ppb	#	97
46) 1,2-Dichloropropane	6.336	63	136890	9.90	ppb	#	92
47) 1,4-Dioxane	6.394	88	6345	206.09	ppb	#	79
49) cis-1,3-Dichloropropene	7.007	75	174903	10.21	ppb	#	56
50) 4-Methyl-2-Pentanone	7.121	43	40977	9.66	ppb	#	68
52) Toluene	7.356	91	562861	9.73	ppb		99

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913531.D
Acq On : 3 Sep 2020 10:40 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090320A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 16:57:41 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

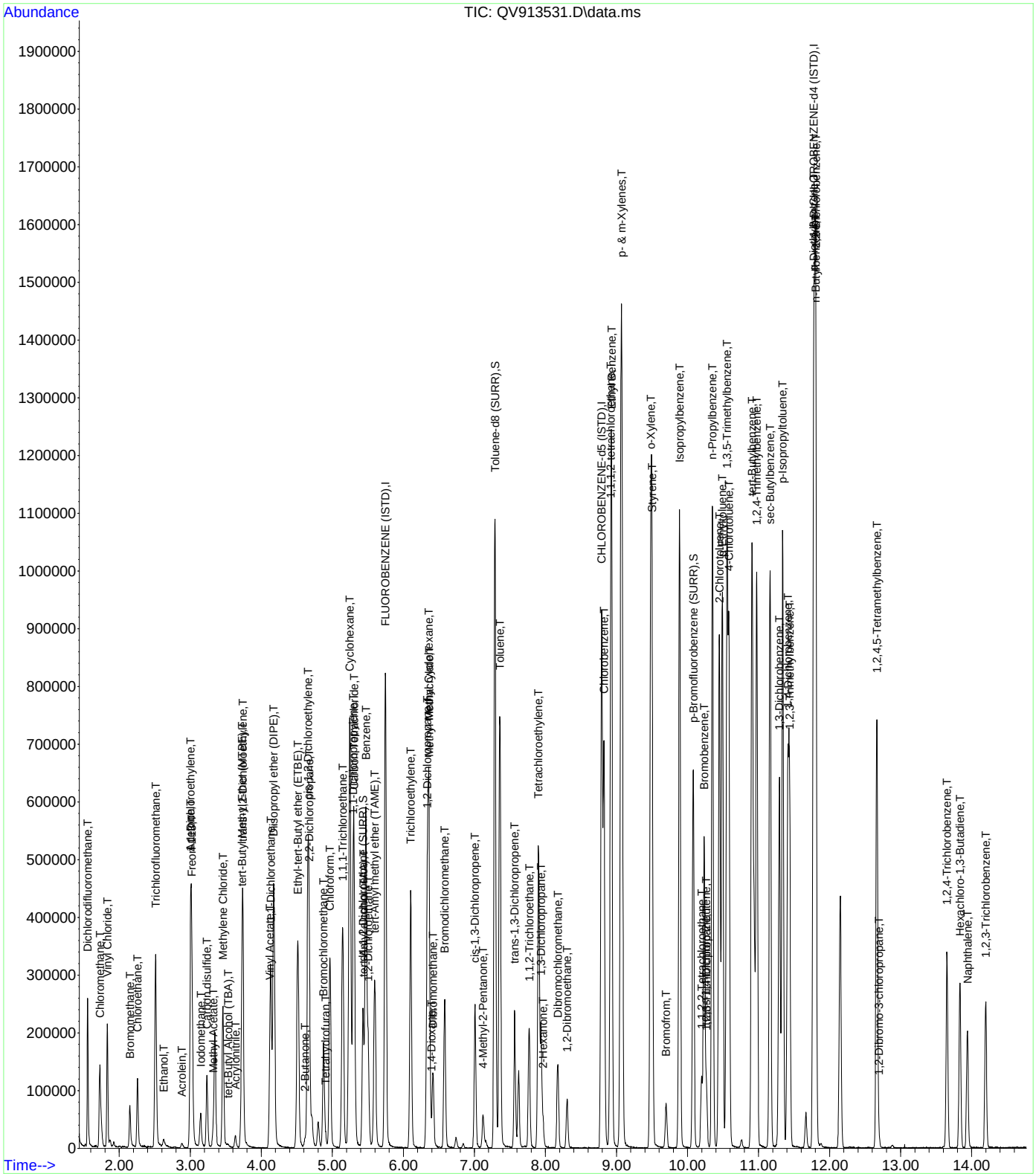
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.565	75	139604	10.89	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	62383	9.99	ppb	#	1
55) 1,3-Dichloropropane	7.937	76	113586	10.13	ppb	#	93
56) Tetrachloroethylene	7.900	166	149594	10.64	ppb	#	100
57) 2-Hexanone	7.964	43	26015	9.89	ppb	#	2
58) Dibromochloromethane	8.176	129	76353	10.47	ppb	#	85
59) 1,2-Dibromoethane	8.304	107	57242	10.00	ppb		92
60) Chlorobenzene	8.824	112	352272	10.53	ppb	#	85
61) 1,1,1,2-tetrachloroethane	8.920	131	125252	11.36	ppb	#	43
62) Ethyl Benzene	8.931	91	731084	11.06	ppb		95
63) p- & m-Xylenes	9.071	91	1174695	22.74	ppb		92
64) o-Xylene	9.483	91	575163	11.17	ppb		96
65) Styrene	9.501	104	382448	11.23	ppb	#	92
66) Bromofrom	9.698	173	36368	10.19	ppb	#	95
68) p-Ethyltoluene	10.489	105	663295	11.21	ppb	#	97
69) Isopropylbenzene	9.887	105	769818	11.27	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.198	83	57173	10.04	ppb	#	97
72) Bromobenzene	10.233	77	236714	10.73	ppb	#	73
73) trans-1,4-Dichloro-2-b...	10.262	75	83779m	10.50	ppb		
74) 1,2,3-Trichloropropane	10.265	110	18268	10.99	ppb	#	1
75) n-Propylbenzene	10.349	91	922621	11.54	ppb	#	89
76) 2-Chlorotoluene	10.451	91	532300	11.23	ppb		98
77) 4-Chlorotoluene	10.582	91	609812	11.56	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	625858	11.58	ppb	#	59
79) tert-Butylbenzene	10.907	119	587073	11.46	ppb	#	92
80) 1,2,4-Trimethylbenzene	10.974	105	589116	11.43	ppb		94
81) sec-Butylbenzene	11.163	105	743413	11.57	ppb	#	92
82) 1,3-Dichlorobenzene	11.294	146	268575	11.22	ppb		92
83) p-Isopropyltoluene	11.337	119	632696	11.69	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	254808	11.20	ppb		92
85) 1,2,3-Trimethylbenzene	11.436	105	386523	11.26	ppb	#	90
86) p-Diethylbenzene	11.776	105	316679	11.58	ppb	#	51
87) 1,2-Dichlorobenzene	11.805	146	209810	11.42	ppb	#	100
88) n-Butylbenzene	11.802	91	648326m	11.90	ppb		
89) 1,2-Dibromo-3-chloropr...	12.694	75	12972	10.55	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.665	119	427654	11.13	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.651	180	103642	10.84	ppb	#	4
92) Hexachloro-1,3-Butadiene	13.834	225	61593	11.55	ppb	#	63
93) Naphthalene	13.941	128	163625	9.72	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	79337	10.39	ppb	#	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913531.D
Acq On : 3 Sep 2020 10:40 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090320A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 04 16:57:41 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913557.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I0840	Injection Date:	09/03/20
Lab Sample ID:	Y0I0840-CCV1	Injection Time:	23:16

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	10.0	10.2	0.2221162	0.2262386		1.9	20	
1,1,1-Trichloroethane	A	10.0	9.53	1.67002	1.592001	0.1	-4.7	20	
1,1,2,2-Tetrachloroethane	A	10.0	10.1	0.4117028	0.4140941	0.3	0.6	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.05	0.8417352	0.761441	0.1	-9.5	20	
1,1,2-Trichloroethane	A	10.0	9.80	0.1257684	0.1232672	0.1	-2.0	20	
1,1-Dichloroethane	A	10.0	8.92	1.960854	1.748658	0.2	-10.8	20	
1,1-Dichloroethylene	A	10.0	7.59	1.595689	1.211872	0.1	-24.1	20	*
1,2,3-Trichlorobenzene	A	10.0	9.96	0.5521393	0.549656		-0.4	20	
1,2,3-Trichloropropane	A	10.0	10.8	0.12015	0.1295558		7.8	20	
1,2,4-Trichlorobenzene	A	10.0	10.5	0.6913543	0.7251065	0.2	4.9	20	
1,2,4-Trimethylbenzene	A	10.0	10.3	3.725981	3.850604		3.3	20	
1,2-Dibromo-3-chloropropane	A	10.0	9.62	8.894596E-02	8.554315E-02	0.05	-3.8	20	
1,2-Dibromoethane	A	10.0	9.66	0.1153022	0.1113999	0.1	-3.4	20	
1,2-Dichlorobenzene	A	10.0	10.6	1.328275	1.406397	0.4	5.9	20	
1,2-Dichloroethane	A	10.0	9.65	0.9431693	0.9100184	0.1	-3.5	20	
1,2-Dichloropropane	A	10.0	9.46	0.2785566	0.2636006	0.1	-5.4	20	
1,3,5-Trimethylbenzene	A	10.0	10.4	3.907363	4.050368		3.7	20	
1,3-Dichlorobenzene	A	10.0	10.3	1.730532	1.7768	0.6	2.7	20	
1,4-Dichlorobenzene	A	10.0	10.5	1.645807	1.727845	0.5	5.0	20	
1,4-Dioxane	A	200	197	6.20386E-04	6.111629E-04		-1.5	20	
2-Butanone	A	10.0	9.46	2.849649E-02	2.697053E-02	0.1	-5.4	20	
2-Hexanone	A	10.0	9.12	5.298744E-02	4.833405E-02	0.1	-8.8	20	
4-Methyl-2-pentanone	A	10.0	9.33	8.550734E-02	7.981549E-02	0.1	-6.7	20	
Acetone	L	10.0	9.17	0.1438723	8.367178E-02	0.1	-8.3	20	
Acrolein	A	10.0	9.14	4.214389E-02	3.850677E-02		-8.6	20	
Acrylonitrile	A	10.0	8.49	0.1297412	0.1101306		-15.1	20	
Benzene	A	10.0	8.55	3.72665	3.185397	0.5	-14.5	20	
Bromochloromethane	A	10.0	8.71	0.6882402	0.5996559		-12.9	20	
Bromodichloromethane	A	10.0	9.67	0.304741	0.2946034	0.2	-3.3	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913557.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I0840	Injection Date:	09/03/20
Lab Sample ID:	Y0I0840-CCV1	Injection Time:	23:16

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	A	10.0	9.35	7.188973E-02	6.723322E-02	0.1	-6.5	20	
Bromomethane	A	10.0	3.93	0.5474592	0.2151109	0.1	-60.7	20	*
Carbon disulfide	A	10.0	4.47	2.246164	1.003245	0.1	-55.3	20	*
Carbon tetrachloride	A	10.0	9.10	1.403138	1.277545	0.1	-9.0	20	
Chlorobenzene	A	10.0	9.86	0.6740761	0.6643308	0.5	-1.4	20	
Chloroethane	A	10.0	9.74	0.608247	0.592426	0.1	-2.6	20	
Chloroform	A	10.0	9.52	1.660497	1.579964	0.2	-4.8	20	
Chloromethane	A	10.0	8.60	1.201174	1.032665	0.1	-14.0	20	
cis-1,2-Dichloroethylene	A	10.0	8.88	1.707556	1.516055	0.1	-11.2	20	
cis-1,3-Dichloropropylene	A	10.0	9.29	0.3453457	0.3208889	0.2	-7.1	20	
Cyclohexane	L	10.0	9.13	2.247389	1.846577	0.1	-8.7	20	
Dibromochloromethane	A	10.0	9.92	0.1469266	0.1457687	0.1	-0.8	20	
Dibromomethane	A	10.0	9.08	9.123417E-02	8.284518E-02		-9.2	20	
Dichlorodifluoromethane	A	10.0	10.0	0.8717251	0.8717893	0.1	0.007	20	
Ethyl Benzene	A	10.0	9.97	1.331776	1.327925	0.1	-0.3	20	
Hexachlorobutadiene	A	10.0	10.2	0.3856416	0.3941062		2.2	20	
Isopropylbenzene	A	10.0	10.1	4.937482	4.980094	0.1	0.9	20	
Methyl acetate	A	10.0	8.58	0.2101543	0.180328	0.1	-14.2	20	
Methyl tert-butyl ether (MTBE)	A	10.0	9.57	1.342444	1.284127	0.1	-4.3	20	
Methylcyclohexane	A	10.0	7.95	0.4832781	0.3842972	0.1	-20.5	20	*
Methylene chloride	A	10.0	8.00	1.191051	0.9529023	0.1	-20.0	20	
n-Butylbenzene	A	10.0	10.2	3.939392	4.017473		2.0	20	
n-Propylbenzene	A	10.0	10.3	5.779159	5.948241		2.9	20	
o-Xylene	A	10.0	10.2	1.037678	1.056163	0.3	1.8	20	
p- & m- Xylenes	A	20.0	20.4	1.041078	1.06002	0.1	1.8	20	
p-Isopropyltoluene	A	10.0	10.4	3.914175	4.057029		3.6	20	
sec-Butylbenzene	A	10.0	10.4	4.645922	4.837587		4.1	20	
Styrene	A	10.0	10.4	0.6861538	0.7105637	0.3	3.6	20	
tert-Butyl alcohol (TBA)	L	10.0	8.99	4.023808E-02	2.969807E-02		-10.1	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0044
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913557.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I0840	Injection Date:	09/03/20
Lab Sample ID:	Y0I0840-CCV1	Injection Time:	23:16

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
tert-Butylbenzene	A	10.0	10.3	3.705221	3.829819		3.4	20	
Tetrachloroethylene	A	10.0	9.95	0.2832471	0.2819287	0.2	-0.5	20	
Toluene	A	10.0	8.93	1.165704	1.040987	0.4	-10.7	20	
trans-1,2-Dichloroethylene	A	10.0	7.34	1.504407	1.103706	0.1	-26.6	20	*
trans-1,3-Dichloropropylene	A	10.0	9.48	0.2582602	0.2448908	0.1	-5.2	20	
trans-1,4-dichloro-2-butene	A	10.0	9.62	0.5770014	0.5549312		-3.8	20	
Trichloroethylene	A	10.0	9.00	0.2867988	0.2582351	0.2	-10.0	20	
Trichlorofluoromethane	A	10.0	10.8	1.439073	1.552373	0.1	7.9	20	
Vinyl Chloride	A	10.0	9.57	1.043492	0.9990745	0.1	-4.3	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913557.D
Acq On : 3 Sep 2020 11:16 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090320B
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 08 13:35:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	183682	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	660135	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	183311	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	174771	10.65	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 106.50%				
51) Toluene-d8 (SURR)	7.290	98	924614	9.93	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 99.30%				
70) p-Bromofluorobenzene (...	10.079	95	318128	9.83	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 98.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	160132	10.00	ppb	#	1
3) Chloromethane	1.727	50	189682	8.60	ppb		93
4) Vinyl Chloride	1.832	62	183512	9.57	ppb	#	98
5) Bromomethane	2.149	94	39512	3.93	ppb		98
6) Chloroethane	2.256	64	108818	9.74	ppb	#	20
7) Trichlorofluoromethane	2.512	101	285143	10.79	ppb	#	19
8) Ethanol	2.634	45	19328	504.71	ppb	#	1
9) Freon-113	3.021	101	139863	9.05	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	222599	7.59	ppb	#	78
11) Acrolein	2.878	56	7073	9.14	ppb	#	1
12) Acetone	3.006	43	15369	9.17	ppb	#	1
13) Iodomethane	3.143	142	53180	2.72	ppb	#	72
14) Methyl Acetate	3.320	43	33123	8.58	ppb	#	1
15) Carbon disulfide	3.236	76	184278	4.47	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	5455m	8.99	ppb		
17) Methylene Chloride	3.459	49	175031	8.00	ppb	#	88
18) Acrylonitrile	3.640	53	20229	8.49	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	202731	7.34	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	235871	9.57	ppb	#	95
21) 1,1-Dichloroethane	4.134	63	321197	8.92	ppb	#	99
22) Vinyl Acetate	4.119	43	100238	9.48	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	505026	9.54	ppb	#	55
24) Ethyl-tert-Butyl ether...	4.514	59	435734	9.86	ppb	#	95
25) cis-1,2-Dichloroethylene	4.657	61	278472	8.88	ppb	#	88
26) 2-Butanone	4.616	72	4954	9.46	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	233426	9.59	ppb	#	87
28) Tetrahydrofuran	4.901	42	13486	8.81	ppb	#	1
29) Bromochloromethane	4.875	49	110146	8.71	ppb	#	33
30) Chloroform	4.968	83	290211	9.52	ppb	#	96
31) 1,1,1-Trichloroethane	5.145	97	292422	9.53	ppb	#	26
32) Cyclohexane	5.247	56	339183m	9.13	ppb		
33) 1,1-Dichloropropylene	5.293	75	211513	8.31	ppb	#	52
35) Carbon Tetrachloride	5.308	117	234662	9.10	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.441	59	40422	98.58	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	167154	9.65	ppb	#	100
38) Benzene	5.470	78	585100	8.55	ppb	#	95
39) tert-Amyl methyl ether...	5.595	73	287165	9.97	ppb	#	1
41) Trichloroethylene	6.104	95	170470	9.00	ppb	#	74
42) Methyl Cyclohexane	6.354	83	253688	7.95	ppb	#	40
43) Methyl Methacrylate	6.365	69	91437	8.57	ppb	#	98
44) Dibromomethane	6.418	93	54689	9.08	ppb	#	49
45) Bromodichloromethane	6.580	83	194478	9.67	ppb	#	96
46) 1,2-Dichloropropane	6.333	63	174012	9.46	ppb	#	94
47) 1,4-Dioxane	6.397	88	8069	197.03	ppb	#	75
49) cis-1,3-Dichloropropene	7.008	75	211830	9.29	ppb	#	53
50) 4-Methyl-2-Pentanone	7.118	43	52689	9.33	ppb	#	85
52) Toluene	7.359	91	687192	8.93	ppb		99

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913557.D
Acq On : 3 Sep 2020 11:16 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090320B
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Sep 08 13:35:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

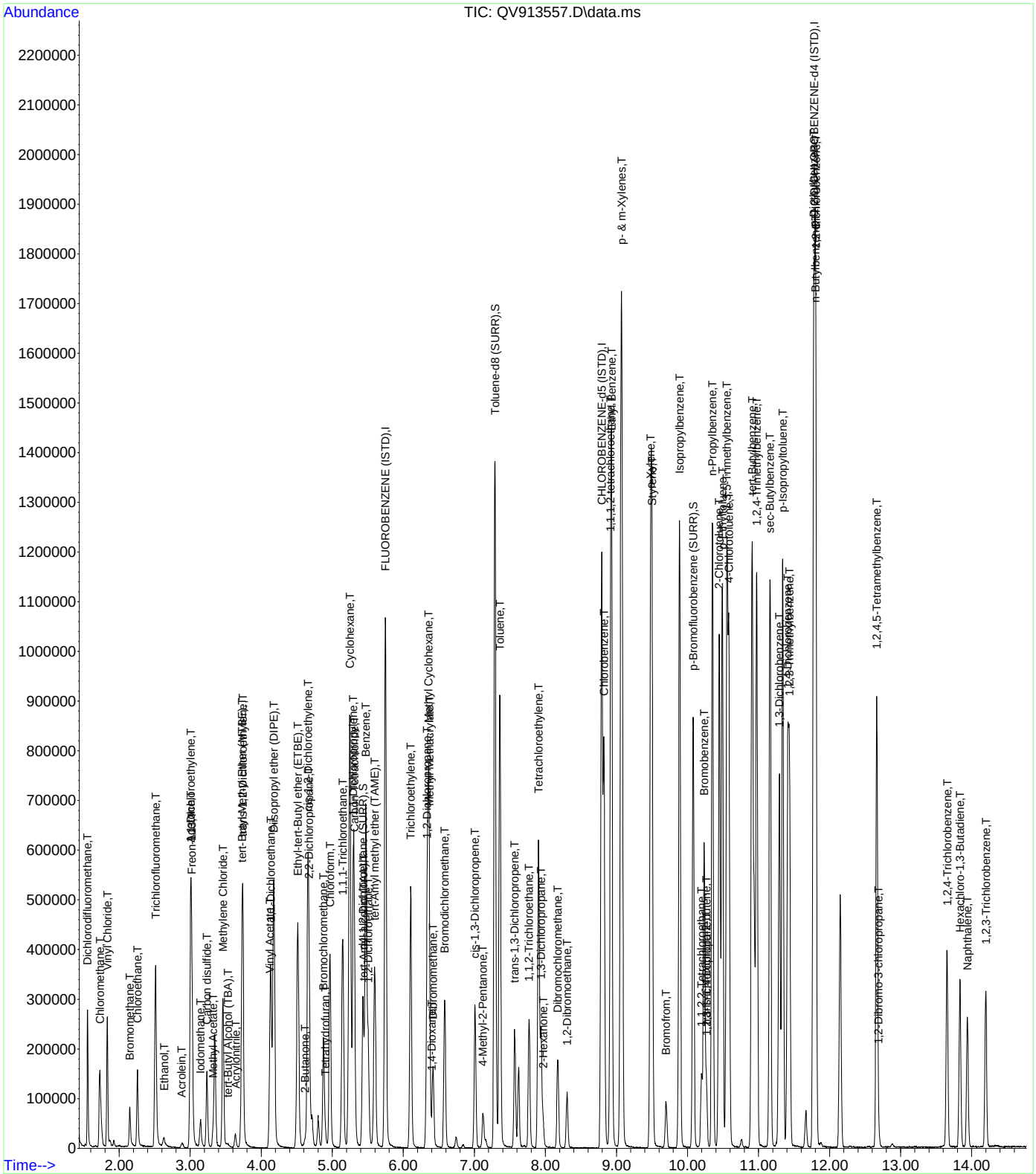
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.566	75	161661	9.48	ppb	#	98
54) 1,1,2-Trichloroethane	7.766	97	81373	9.80	ppb	#	1
55) 1,3-Dichloropropane	7.938	76	146266	9.81	ppb	#	70
56) Tetrachloroethylene	7.903	166	186111	9.95	ppb	#	100
57) 2-Hexanone	7.967	43	31907	9.12	ppb	#	1
58) Dibromochloromethane	8.173	129	96227	9.92	ppb	#	86
59) 1,2-Dibromoethane	8.304	107	73539	9.66	ppb		91
60) Chlorobenzene	8.824	112	438548	9.86	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.917	131	149348	10.19	ppb	#	41
62) Ethyl Benzene	8.931	91	876610	9.97	ppb		95
63) p- & m-Xylenes	9.071	91	1399513	20.36	ppb		92
64) o-Xylene	9.481	91	697210	10.18	ppb		96
65) Styrene	9.501	104	469068	10.36	ppb	#	82
66) Bromofrom	9.699	173	44383	9.35	ppb	#	95
68) p-Ethyltoluene	10.492	105	787862	10.05	ppb	#	97
69) Isopropylbenzene	9.887	105	912906	10.09	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.195	83	75908	10.06	ppb	#	65
72) Bromobenzene	10.233	77	290560	9.94	ppb	#	76
73) trans-1,4-Dichloro-2-b...	10.265	75	101725	9.62	ppb	#	52
74) 1,2,3-Trichloropropane	10.268	110	23749	10.78	ppb	#	1
75) n-Propylbenzene	10.350	91	1090378	10.29	ppb	#	89
76) 2-Chlorotoluene	10.445	91	634870	10.11	ppb		98
77) 4-Chlorotoluene	10.582	91	709277	10.15	ppb		95
78) 1,3,5-Trimethylbenzene	10.553	105	742477	10.37	ppb	#	60
79) tert-Butylbenzene	10.910	119	702048	10.34	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.974	105	705858	10.33	ppb		93
81) sec-Butylbenzene	11.160	105	886783	10.41	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	325707	10.27	ppb		94
83) p-Isopropyltoluene	11.340	119	743698	10.36	ppb		95
84) 1,4-Dichlorobenzene	11.410	146	316733	10.50	ppb		92
85) 1,2,3-Trimethylbenzene	11.433	105	471500	10.36	ppb	#	90
86) p-Diethylbenzene	11.776	105	367901	10.15	ppb	#	55
87) 1,2-Dichlorobenzene	11.805	146	257808	10.59	ppb	#	100
88) n-Butylbenzene	11.800	91	736447m	10.20	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	15681	9.62	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	524695	10.30	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.656	180	132920	10.49	ppb	#	11
92) Hexachloro-1,3-Butadiene	13.834	225	72244	10.22	ppb	#	64
93) Naphthalene	13.938	128	215082	9.64	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	100758	9.96	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913557.D
Acq On : 3 Sep 2020 11:16 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090320B
ALS Vial : 28 Sample Multiplier: 1

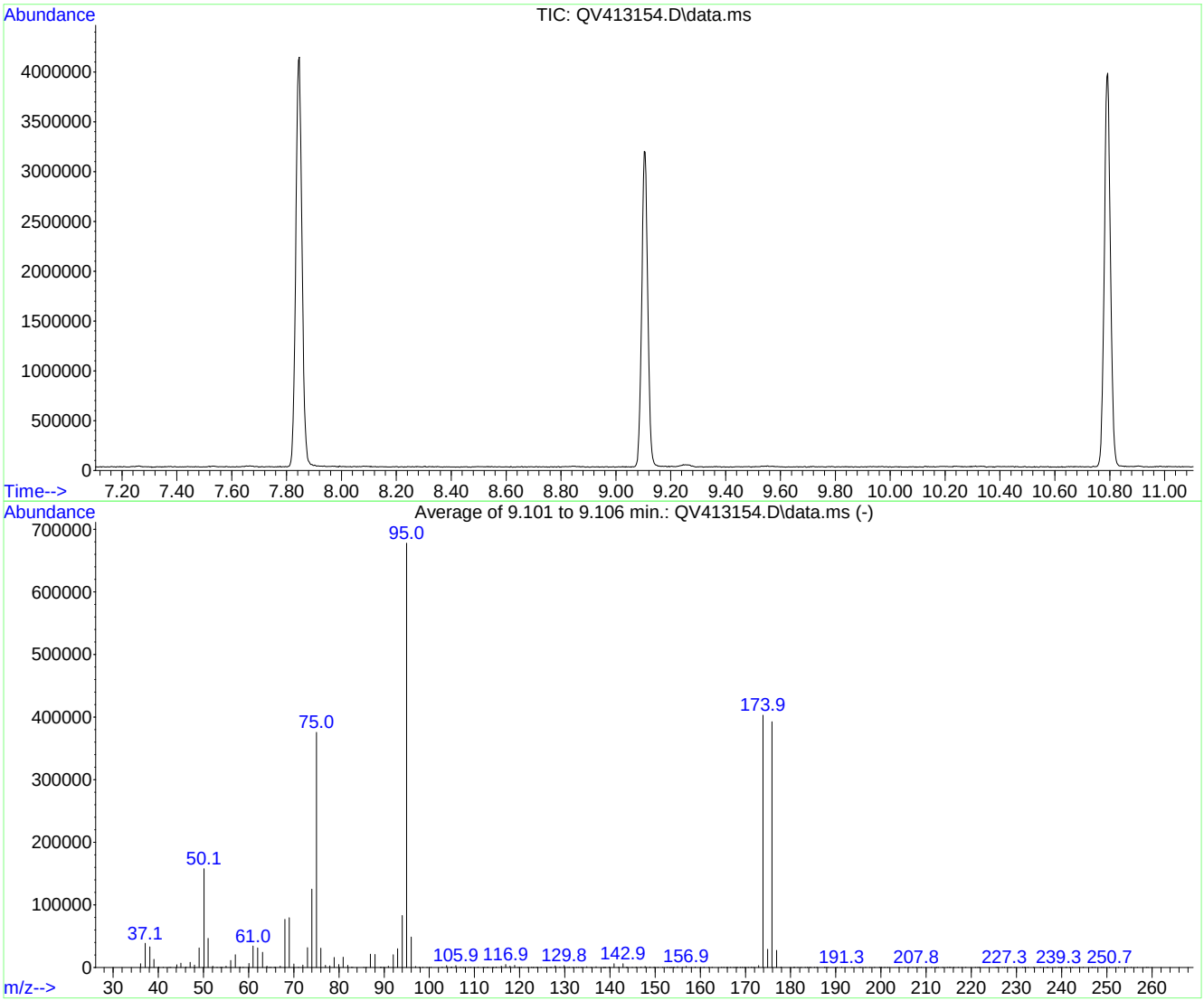
Quant Time: Sep 08 13:35:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Data Path : C:\msdchem\1\data\080420\
Data File : QV413154.D
Acq On : 4 Aug 2020 4:15 pm
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4080420A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



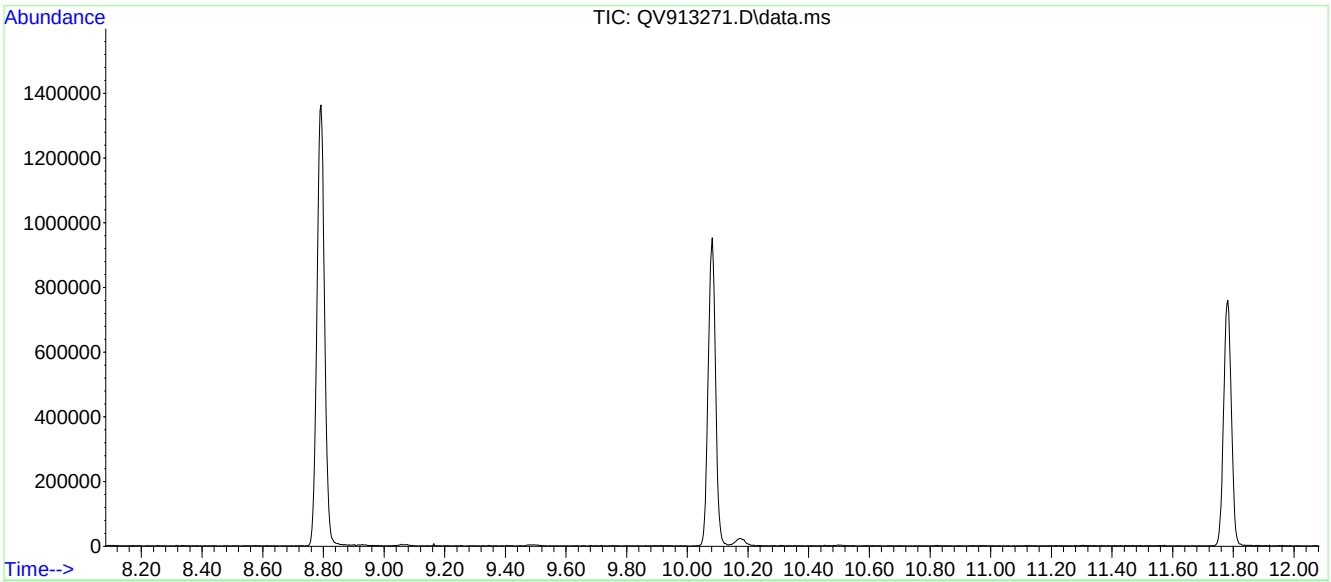
Spectrum Information: Average of 9.101 to 9.106 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	157568	PASS
75	95	30	60	55.4	375552	PASS
95	95	100	100	100.0	677739	PASS
96	95	5	9	7.1	48339	PASS
173	174	0.00	2	0.7	2742	PASS
174	95	50	100	59.5	403229	PASS
175	174	5	9	7.1	28795	PASS
176	174	95	101	97.4	392704	PASS
177	176	5	9	6.9	27075	PASS

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913271.D
Acq On : 26 Aug 2020 1:52 am
Operator : TMP
Misc : QBQV9081920A
Sample : SEQ-TUN1 Inst : QVOA9
ALS Vial : 13 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ9LO029.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Wed Aug 26 10:44:13 2020



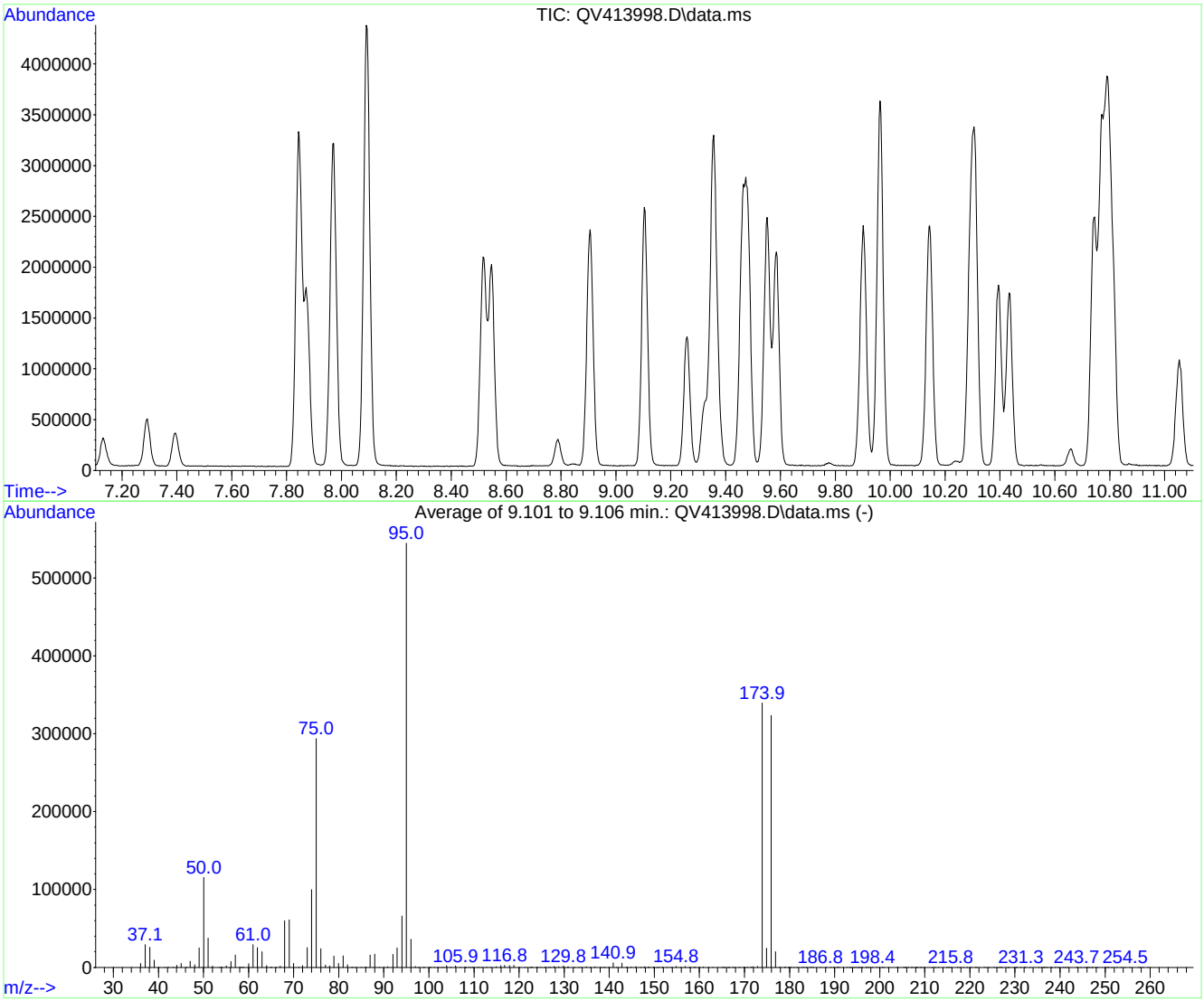
Spectrum Information: Average of 10.079 to 10.085 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	42427	PASS
75	95	30	60	50.9	103773	PASS
95	95	100	100	100.0	204075	PASS
96	95	5	9	6.7	13687	PASS
173	174	0.00	2	0.6	936	PASS
174	95	50	100	72.3	147456	PASS
175	174	5	9	7.3	10699	PASS
176	174	95	101	95.1	140288	PASS
177	176	5	9	7.0	9831	PASS

Data Path : C:\msdchem\1\data\090220\
Data File : QV413998.D
Acq On : 4 Sep 2020 3:21 am
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4090320B
ALS Vial : 32 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



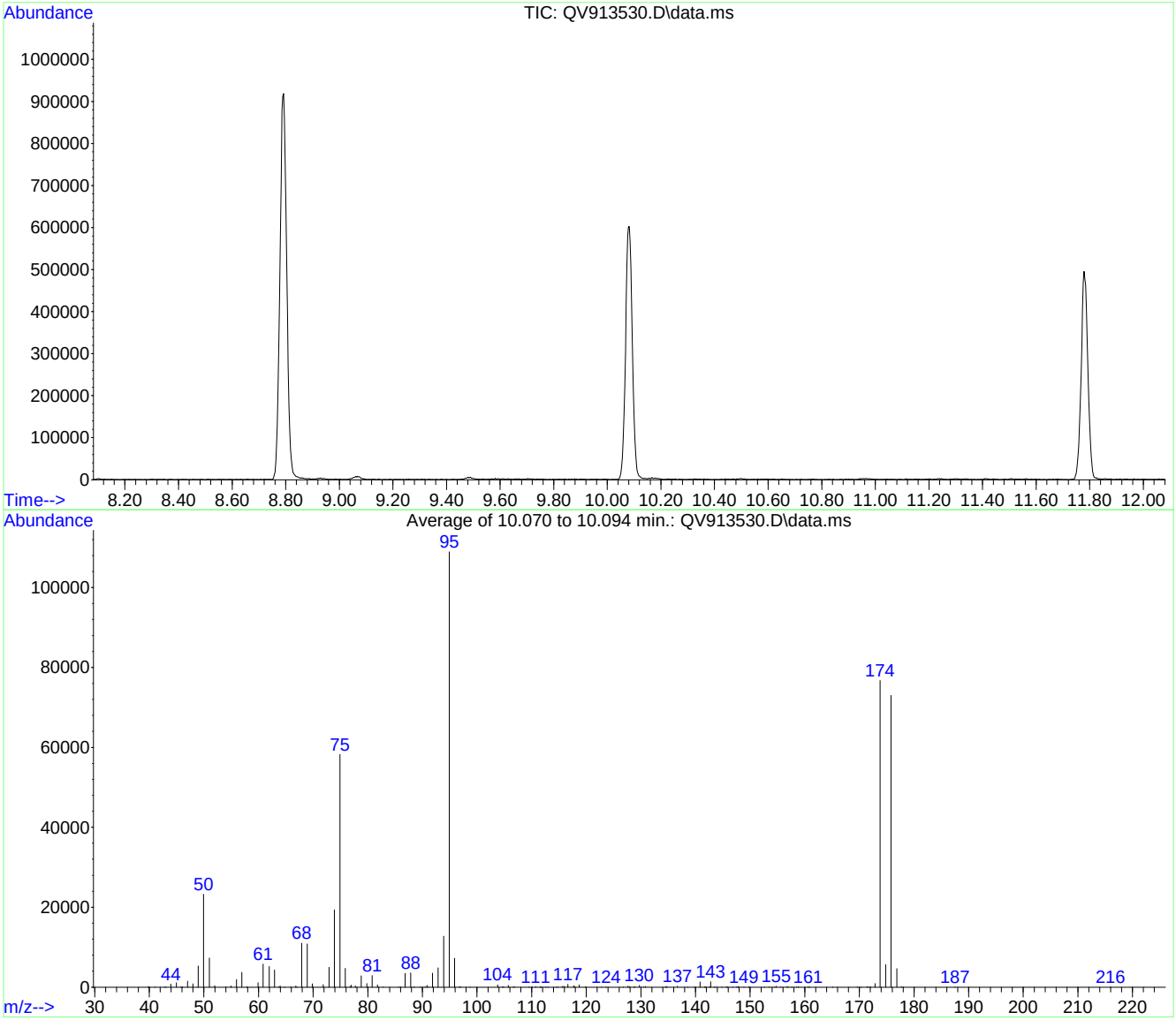
Spectrum Information: Average of 9.101 to 9.106 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.2	115490	PASS
75	95	30	60	53.9	293537	PASS
95	95	100	100	100.0	544427	PASS
96	95	5	9	6.6	36168	PASS
173	174	0.00	2	0.4	1203	PASS
174	95	50	100	62.4	339627	PASS
175	174	5	9	7.3	24733	PASS
176	174	95	101	95.3	323563	PASS
177	176	5	9	6.3	20240	PASS

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913530.D
Acq On : 3 Sep 2020 10:14 am
Operator : TMP
Misc : QBQV9090320A
Sample : SEQ-TUN1 Inst : QVOA9
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ9LO029.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Wed Aug 26 10:44:13 2020



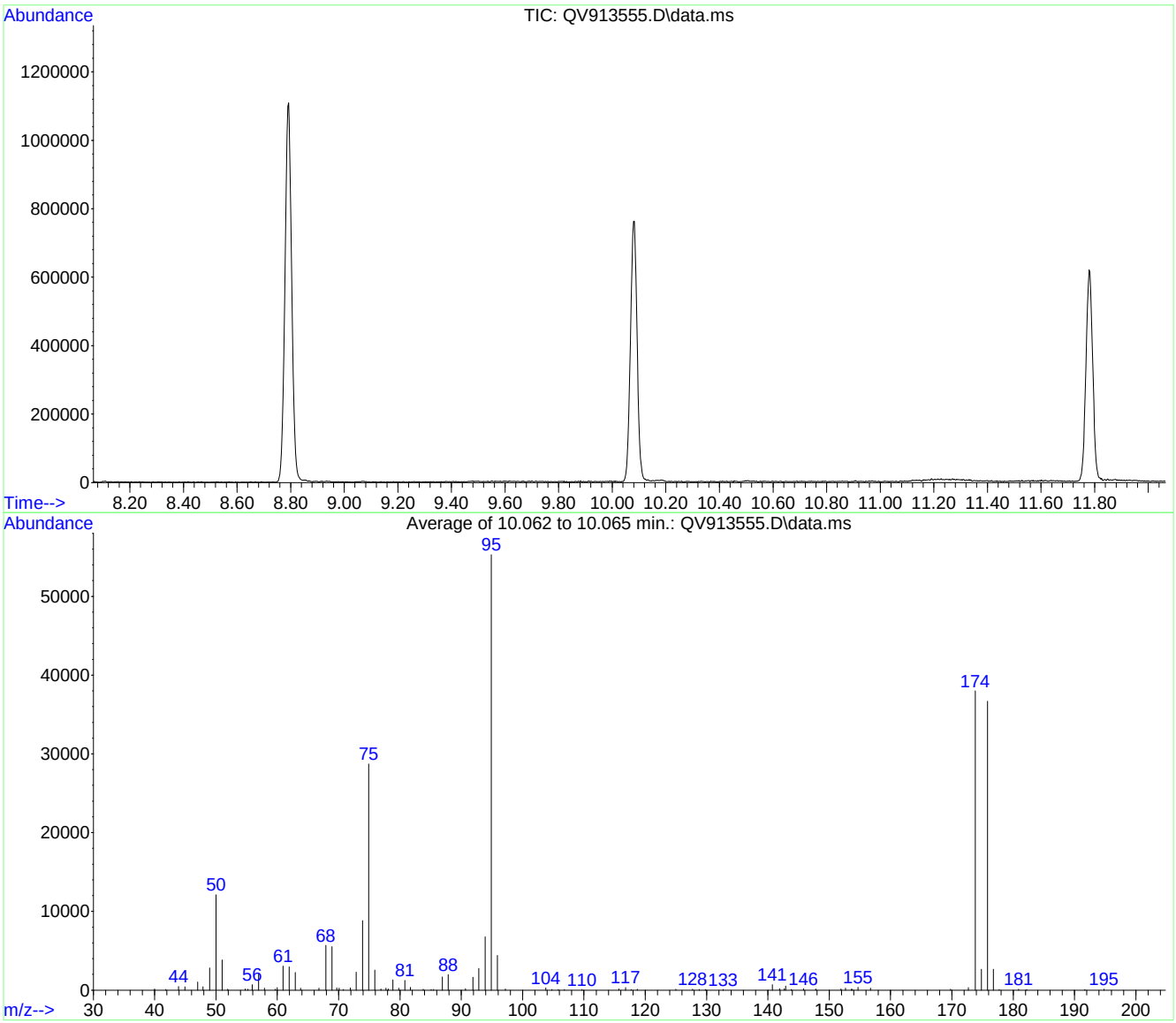
Spectrum Information: Average of 10.070 to 10.094 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	23265	PASS
75	95	30	60	53.5	58253	PASS
95	95	100	100	100.0	108899	PASS
96	95	5	9	6.6	7236	PASS
173	174	0.00	2	1.2	910	PASS
174	95	50	100	70.4	76709	PASS
175	174	5	9	7.3	5634	PASS
176	174	95	101	95.2	73035	PASS
177	176	5	9	6.4	4639	PASS

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913555.D
Acq On : 3 Sep 2020 10:25 pm
Operator : TMP
Misc : QBQV9090320B
Sample : SEQ-TUN1 Inst : QVOA9
ALS Vial : 26 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ9LO029.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Wed Aug 26 10:44:13 2020



Spectrum Information: Average of 10.062 to 10.065 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.9	12106	PASS
75	95	30	60	51.9	28704	PASS
95	95	100	100	100.0	55276	PASS
96	95	5	9	7.9	4394	PASS
173	174	0.00	2	0.8	313	PASS
174	95	50	100	68.8	38008	PASS
175	174	5	9	7.0	2658	PASS
176	174	95	101	96.6	36700	PASS
177	176	5	9	7.2	2638	PASS

METHOD BLANK RAW DATA

SDG: 20I0044
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK1	File ID:	QV414002.D
Prepared:	09/03/20 06:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:07	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK1	File ID:	QV414002.D
Prepared:	09/03/20 06:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:07	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK1	File ID:	QV414002.D
Prepared:	09/03/20 06:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:07	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.9	99.8	77 - 125	
SURR: Toluene-d8	50.0	50.0	100	85 - 120	
SURR: p-Bromofluorobenzene	50.0	53.4	107	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	399522	4.877	419714	4.88	
ISTD: Chlorobenzene-d5	1467669	7.846	1526006	7.843	
ISTD: 1,2-Dichlorobenzene-d4	635991	10.789	746914	10.79	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414002.D
Acq On : 4 Sep 2020 5:07 am
Operator : TMP
Sample : BI00280-BLK1
Misc : QBQV4090320B
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 04 14:26:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

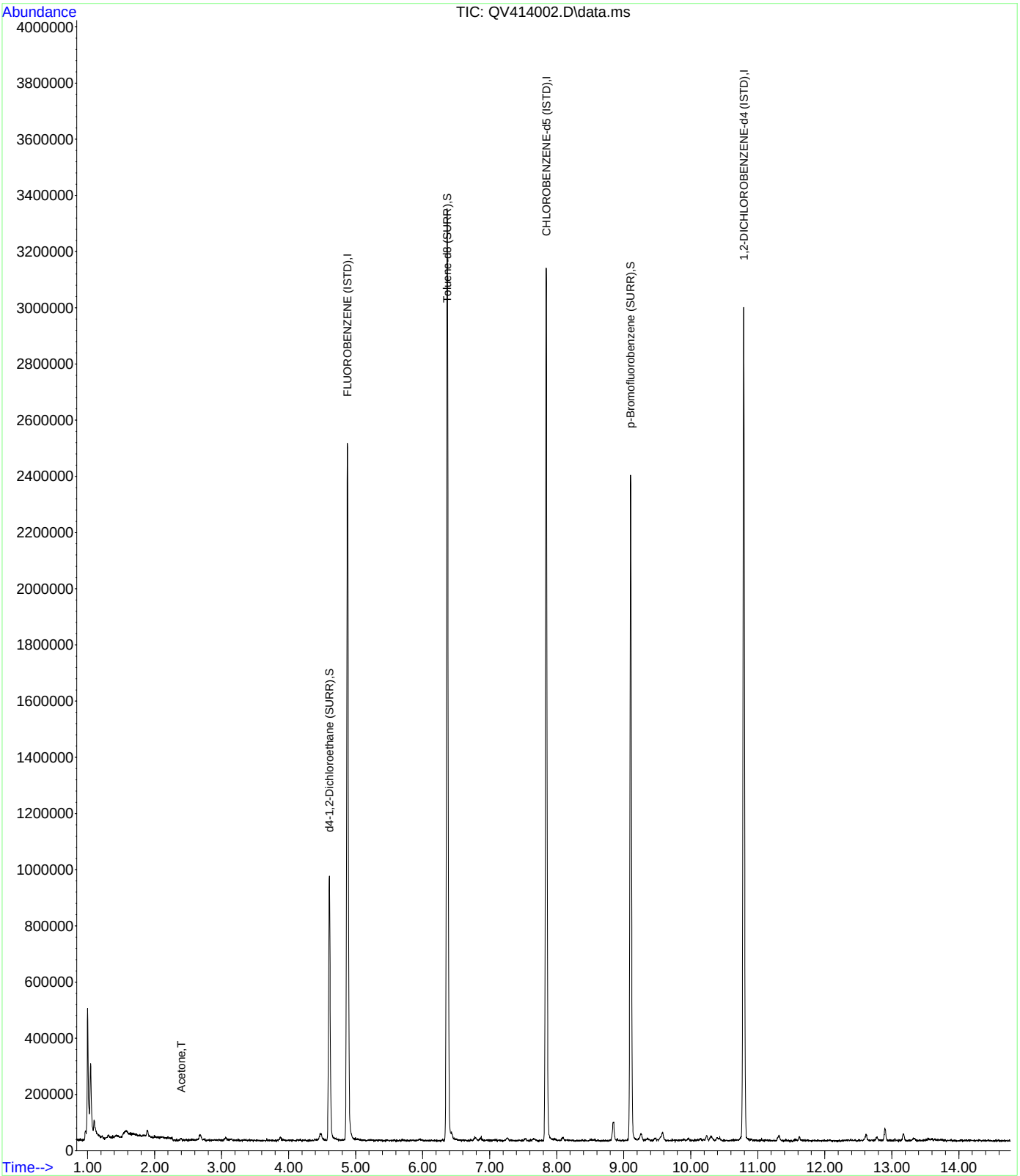
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	399522	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1467669	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.789	152	635991	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	622888	49.91	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.82%			
54) Toluene-d8 (SURR)	6.366	98	1964899	49.99	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.98%			
73) p-Bromofluorobenzene (...	9.103	95	790909	53.45	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 106.90%			
Target Compounds						Qvalue
13) Acetone	2.398	43	6044	2.68	ppb	# 31

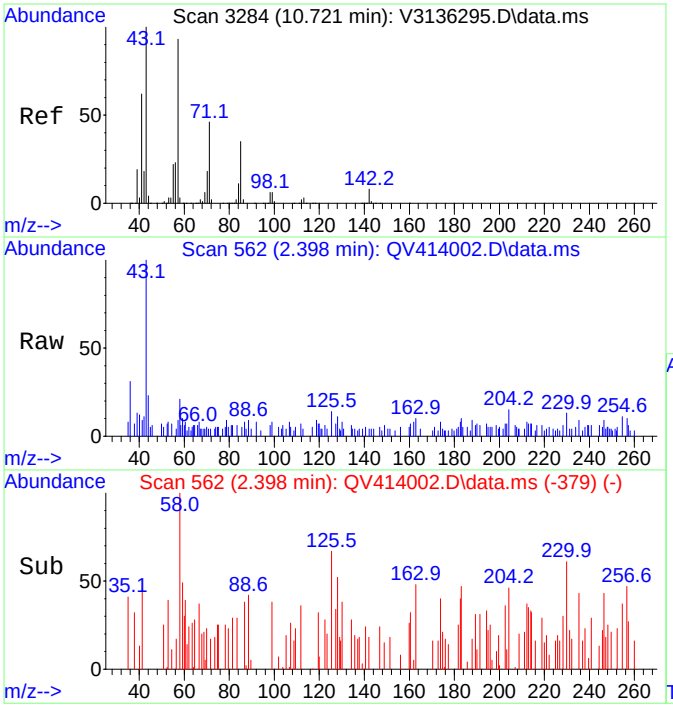
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414002.D
Acq On : 4 Sep 2020 5:07 am
Operator : TMP
Sample : BI00280-BLK1
Misc : QBQV4090320B
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Sep 04 14:26:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

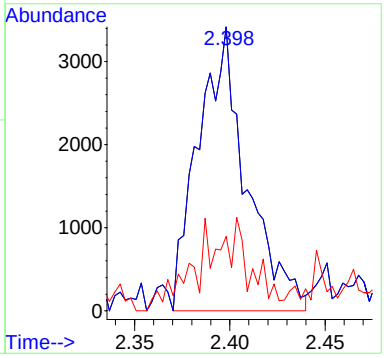




#13
Acetone
Concen: 2.68 ppb
RT: 2.398 min Scan# 562
Delta R.T. 0.008 min
Lab File: QV414002.D
Acq: 4 Sep 2020 5:07 am

Tgt Ion: 43 Resp: 6044

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	13.1	15.1	45.3#



FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK2	File ID:	QV414003.D
Prepared:	09/03/20 12:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:33	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK2	File ID:	QV414003.D
Prepared:	09/03/20 12:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:33	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00280-BLK2	File ID:	QV414003.D
Prepared:	09/03/20 12:06	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/04/20 05:33	Instrument:	QVOA4		
Batch:	BI00280	Sequence:	Y0I0440	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.3	98.7	77 - 125	
SURR: Toluene-d8	50.0	49.6	99.2	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.3	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	415342	4.88	419714	4.88	
ISTD: Chlorobenzene-d5	1533673	7.843	1526006	7.843	
ISTD: 1,2-Dichlorobenzene-d4	677123	10.792	746914	10.79	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414003.D
Acq On : 4 Sep 2020 5:33 am
Operator : TMP
Sample : BI00280-BLK2
Misc : QBQV4090320B
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 04 10:02:55 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

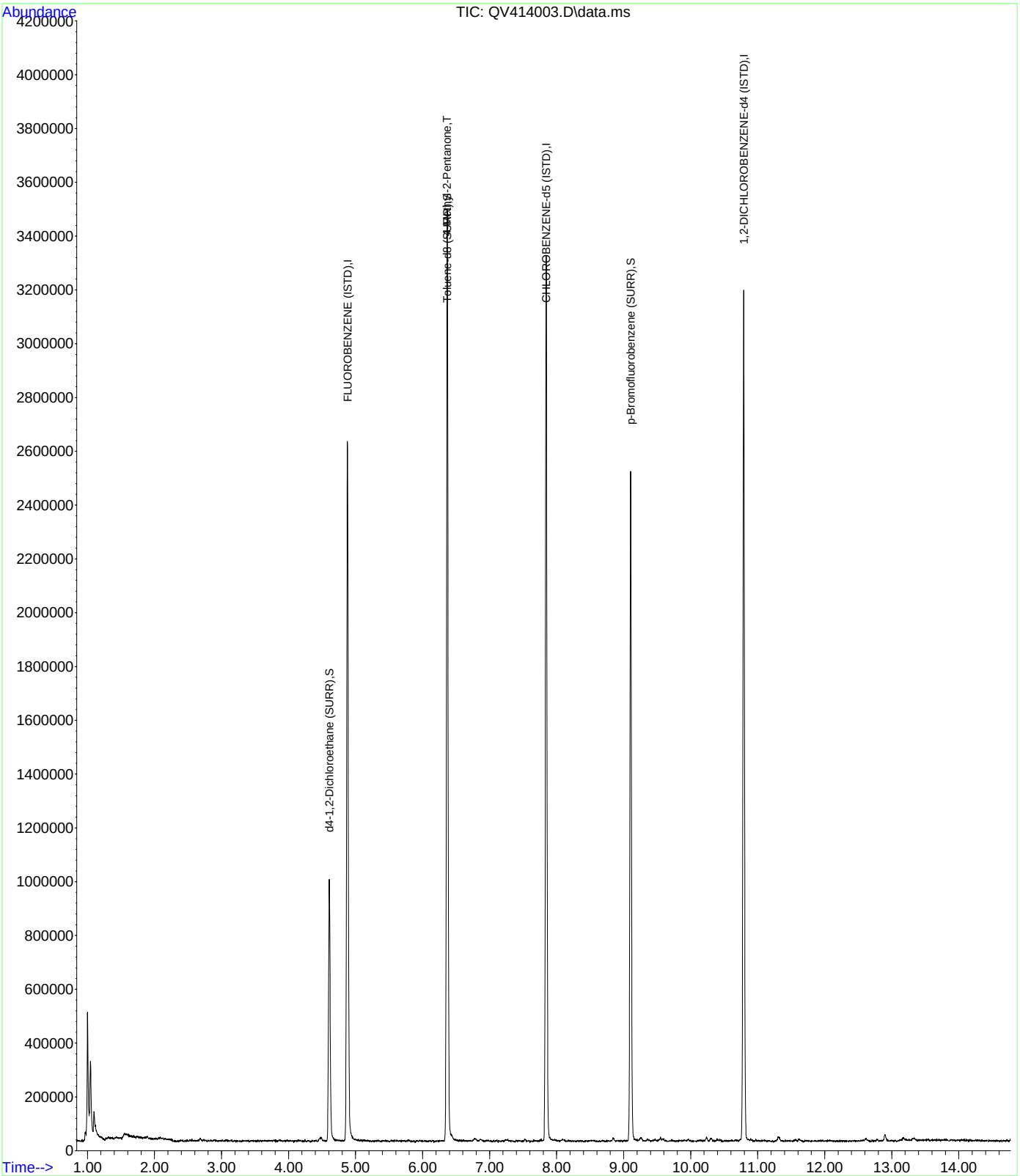
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.880	70	415342	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1533673	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	677123	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	639936	49.33	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.66%			
54) Toluene-d8 (SURR)	6.366	98	2036874	49.59	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.18%			
73) p-Bromofluorobenzene (...	9.106	95	824325	52.33	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 104.66%			
Target Compounds						Qvalue
53) 4-Methyl-2-Pentanone	6.363	43	12203	2.27	ppb	# 1

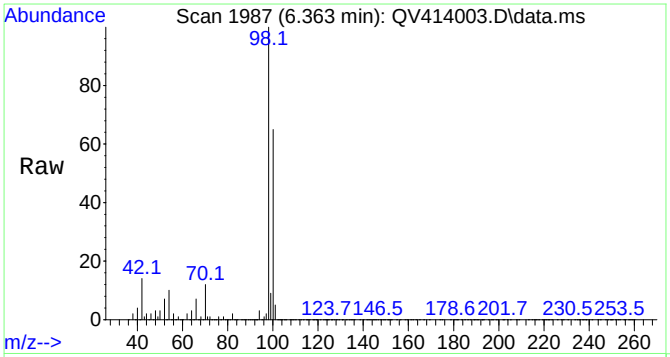
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414003.D
Acq On : 4 Sep 2020 5:33 am
Operator : TMP
Sample : BI00280-BLK2
Misc : QBQV4090320B
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Sep 04 10:02:55 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

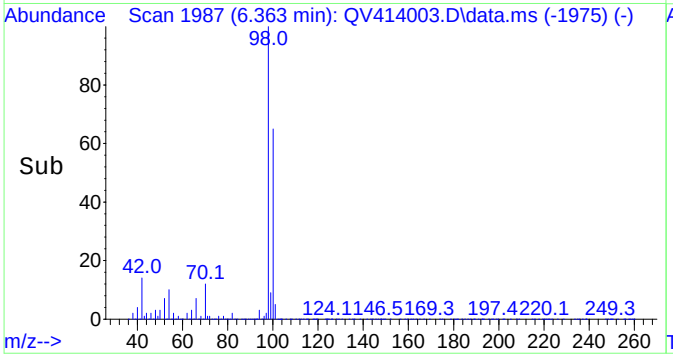


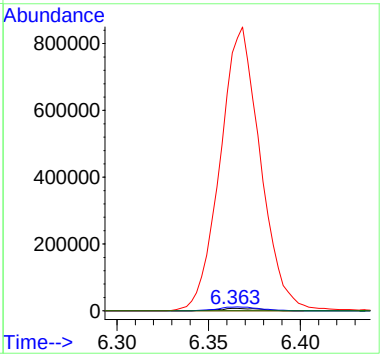


#53
4-Methyl-2-Pentanone
Concen: 2.27 ppb
RT: 6.363 min Scan# 1987
Delta R.T. 0.070 min
Lab File: QV414003.D
Acq: 4 Sep 2020 5:33 am

Tgt Ion: 43 Resp: 12203

Ion	Ratio	Lower	Upper
43	100		
58	150.9	25.7	53.5#
100	10664.5	8.1	24.3#
85	1.8	8.7	26.1#





METHOD BLANK RAW DATA

SDG: 20I0044
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00313-BLK1	File ID:	QV913535.D
Prepared:	09/03/20 06:54	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/03/20 12:43	Instrument:	QVOA9		
Batch:	BI00313	Sequence:	Y0I0443	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00313-BLK1	File ID:	QV913535.D
Prepared:	09/03/20 06:54	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/03/20 12:43	Instrument:	QVOA9		
Batch:	BI00313	Sequence:	Y0I0443	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00313-BLK1	File ID:	QV913535.D
Prepared:	09/03/20 06:54	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/03/20 12:43	Instrument:	QVOA9		
Batch:	BI00313	Sequence:	Y0I0443	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.4	114	69 - 130	
SURR: Toluene-d8	10.0	10.1	101	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.90	99.0	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	141599	5.749	141331	5.746	
ISTD: Chlorobenzene-d5	497509	8.789	496267	8.789	
ISTD: 1,2-Dichlorobenzene-d4	133721	11.779	138289	11.779	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913535.D
Acq On : 3 Sep 2020 12:43 pm
Operator : TMP
Sample : BI00313-BLK1
Misc : QBQV9090320A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 16:58:31 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

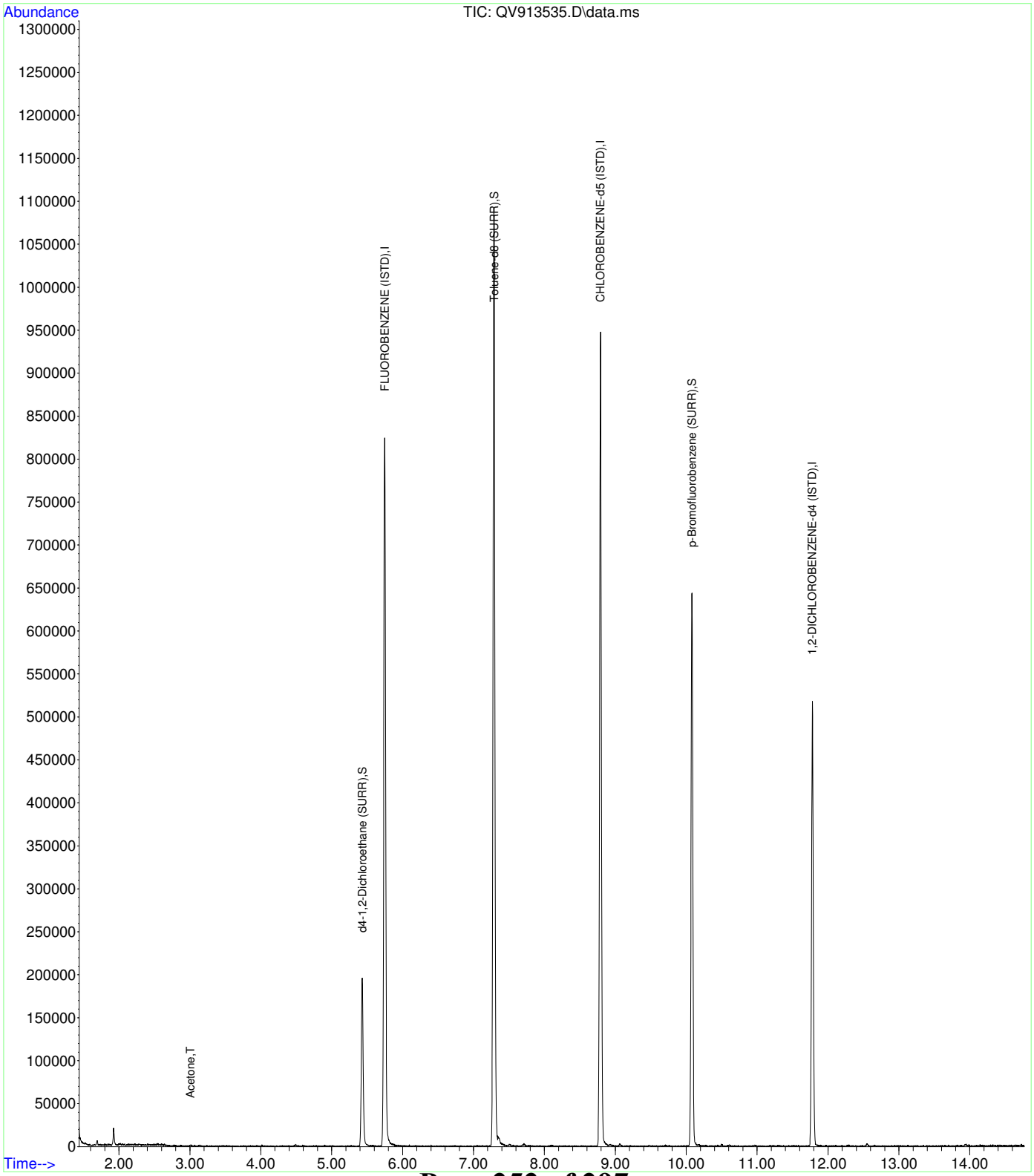
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	141599	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.789	117	497509	10.00	ppb	#	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	133721	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.432	65	144324	11.40	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 114.00%				
51) Toluene-d8 (SURR)	7.289	98	710167	10.12	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.20%				
70) p-Bromofluorobenzene (...	10.079	95	233820	9.90	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 99.00%				
Target Compounds							Qvalue
12) Acetone	3.006	43	688	0.53	ppb	#	1

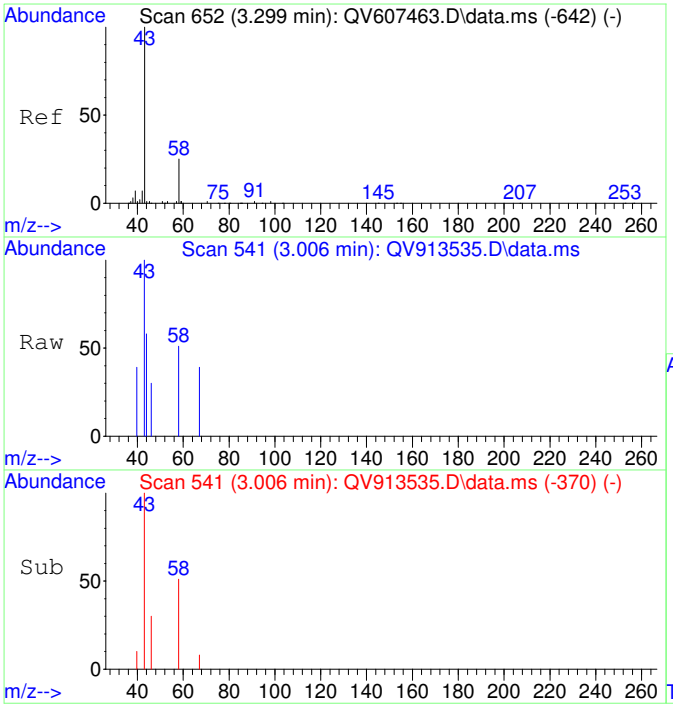
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913535.D
Acq On : 3 Sep 2020 12:43 pm
Operator : TMP
Sample : BI00313-BLK1
Misc : QBQV9090320A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 04 16:58:31 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

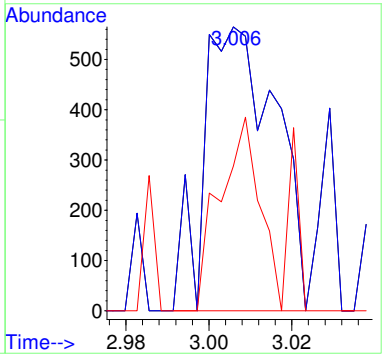




#12
Acetone
Concen: 0.53 ppb
RT: 3.006 min Scan# 541
Delta R.T. -0.003 min
Lab File: QV913535.D
Acq: 3 Sep 2020 12:43 pm

Tgt Ion: 43 Resp: 688

Ion	Ratio	Lower	Upper
43	100		
43	100.0	2.8	4.2#
58	38.1	0.4	1.1#



METHOD BLANK RAW DATA

SDG: 20I0044
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00364-BLK1	File ID:	QV913561.D
Prepared:	09/03/20 06:45	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/04/20 00:58	Instrument:	QVOA9		
Batch:	BI00364	Sequence:	Y0I0840	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00364-BLK1	File ID:	QV913561.D
Prepared:	09/03/20 06:45	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/04/20 00:58	Instrument:	QVOA9		
Batch:	BI00364	Sequence:	Y0I0840	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0044
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville Road New Hyde Park
Matrix:	Water	Laboratory ID:	BI00364-BLK1	File ID:	QV913561.D
Prepared:	09/03/20 06:45	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/04/20 00:58	Instrument:	QVOA9		
Batch:	BI00364	Sequence:	Y0I0840	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.2	102	69 - 130	
SURR: Toluene-d8	10.0	9.84	98.4	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.64	96.4	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	186495	5.746	183682	5.746	
ISTD: Chlorobenzene-d5	652508	8.792	660135	8.792	
ISTD: 1,2-Dichlorobenzene-d4	176289	11.782	183311	11.782	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913561.D
Acq On : 4 Sep 2020 12:58 am
Operator : TMP
Sample : BI00364-BLK1
Misc : QBQV9090320B
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 08 15:24:31 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

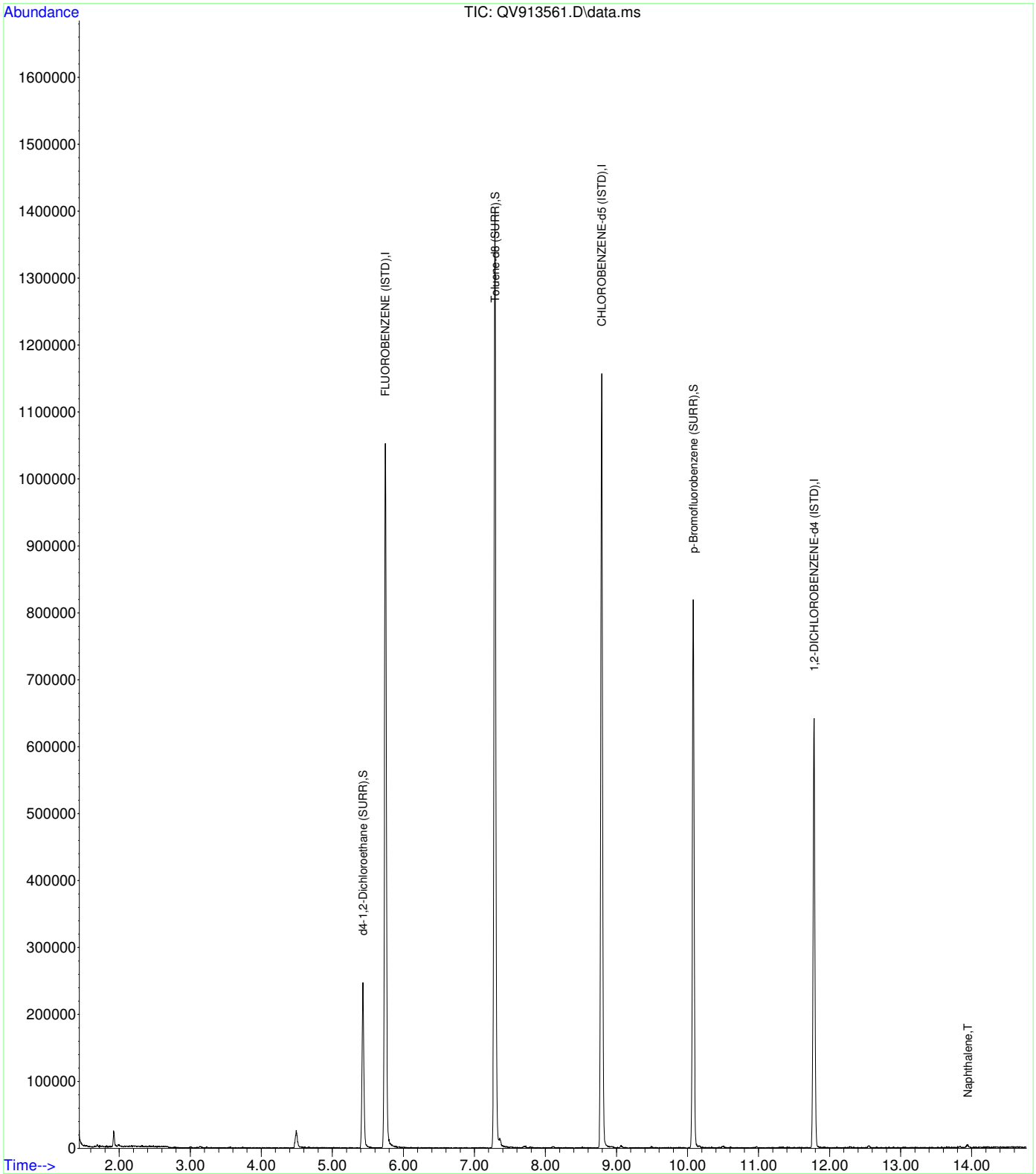
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.746	70	186495	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	652508	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	176289	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.430	65	169568	10.17	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 101.70%			
51) Toluene-d8 (SURR)	7.289	98	905931	9.84	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 98.40%			
70) p-Bromofluorobenzene (...	10.082	95	299962	9.64	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 96.40%			
Target Compounds						Qvalue
93) Naphthalene	13.944	128	4171	0.19	ppb	# 89

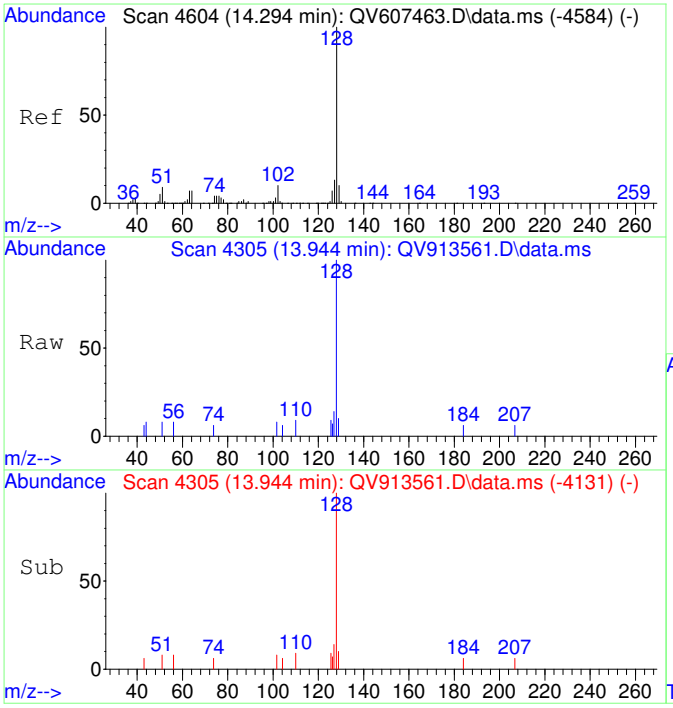
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913561.D
Acq On : 4 Sep 2020 12:58 am
Operator : TMP
Sample : BI00364-BLK1
Misc : QBQV9090320B
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 08 15:24:31 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

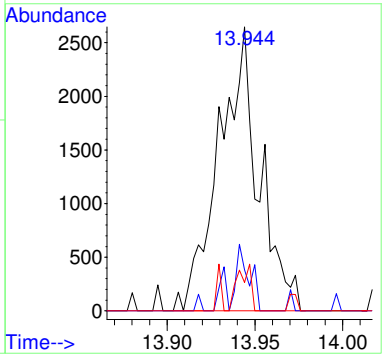




#93
Naphthalene
Concen: 0.19 ppb
RT: 13.944 min Scan# 4305
Delta R.T. 0.006 min
Lab File: QV913561.D
Acq: 4 Sep 2020 12:58 am

Tgt Ion:128 Resp: 4171

Ion	Ratio	Lower	Upper
128	100		
127	7.7	9.0	18.6#
129	5.5	3.9	8.1



LCS RAW DATA

SDG: 20I0044
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414001.D
Acq On : 4 Sep 2020 4:40 am
Operator : TMP
Sample : BI00280-BS1
Misc : QBQV4090320B
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 04 04:58:24 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	427394	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1567130	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	765930	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	663781	49.72	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.44%				
54) Toluene-d8 (SURR)	6.368	98	2082895	49.62	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.24%				
73) p-Bromofluorobenzene (...	9.103	95	856502	48.06	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 96.12%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	342433	64.32	ppb		100
3) Chloromethane	1.294	50	549382	65.96	ppb	#	96
4) Vinyl Chloride	1.335	62	531202	68.11	ppb		100
5) Bromomethane	1.583	94	240002	72.72	ppb		99
6) Allyl Chloride	2.612	76	166925	49.33	ppb	#	100
7) Chloroethane	1.658	64	319157	72.52	ppb		99
8) Trichlorofluoromethane	1.842	101	860679	62.25	ppb		97
10) Freon-113	2.259	101	388268	57.27	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	565336	51.22	ppb		89
12) Acrolein	2.251	56	28261	76.38	ppb		94
13) Acetone	2.393	43	92402	38.34	ppb	#	42
14) Iodomethane	2.432	142	321695	56.40	ppb	#	20
15) Methyl Acetate	2.654	43	200856	45.00	ppb		95
16) Carbon disulfide	2.471	76	871101	50.49	ppb		100
17) tert-Butyl Alcohol (TBA)	2.893	59	132438	255.20	ppb	#	1
18) Methylene Chloride	2.740	49	462836	52.60	ppb		85
19) Acrylonitrile	3.002	53	86877	56.50	ppb	#	90
20) trans-1,2-Dichloroethy...	2.952	61	497016	50.66	ppb		92
21) tert-Butyl Methyl Ethe...	2.941	73	834489	50.76	ppb		99
22) 1,1-Dichloroethane	3.341	63	611299	47.54	ppb	#	100
23) Vinyl Acetate	3.383	43	441019	50.96	ppb		100
24) Diisopropyl ether (DIPE)	3.352	45	1134182	47.22	ppb		96
25) Ethyl-tert-Butyl ether...	3.675	59	1021519	49.39	ppb	#	97
26) cis-1,2-Dichloroethylene	3.864	61	570202	49.16	ppb		90
27) 2-Butanone	3.901	72	24521	53.17	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	583394	50.43	ppb		96
29) Tetrahydrofuran	4.115	42	88786	51.94	ppb	#	76
30) Bromochloromethane	4.084	49	290778	50.17	ppb		82
31) Chloroform	4.157	83	616812	50.21	ppb		100
32) 1,1,1-Trichloroethane	4.273	97	592560	51.30	ppb	#	85
33) Cyclohexane	4.282	56	602755	49.04	ppb		89
34) 1,1-Dichloropropylene	4.421	75	500911	49.85	ppb		87
36) Carbon Tetrachloride	4.410	117	476523	54.31	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	255841	577.21	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	480152	49.71	ppb		99
39) Benzene	4.616	78	1278683	50.76	ppb	#	85
40) tert-Amyl methyl ether...	4.696	73	991396	52.55	ppb	#	90
42) Trichloroethylene	5.214	95	345163	49.55	ppb		81
43) Methyl Cyclohexane	5.333	83	594659	48.54	ppb	#	75
44) Methyl Methacrylate	5.548	69	179318	51.76	ppb	#	81
45) Dibromomethane	5.578	93	174256	49.13	ppb		91
46) Bromodichloromethane	5.731	83	421314	48.78	ppb		99
47) 1,2-Dichloropropane	5.448	63	313154	46.33	ppb	#	81
48) 1,4-Dioxane	5.603	88	57855	1243.06	ppb		85
49) 2-Chloroethyl vinyl ether	6.010	63	183536	65.14	ppb		98
50) 2-nitropropane	5.984	43	35162m	69.91	ppb		
51) cis-1,3-Dichloropropene	6.143	75	518045	48.56	ppb		89
52) ethyl methacrylate	6.764	69	357261	52.17	ppb	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414001.D
Acq On : 4 Sep 2020 4:40 am
Operator : TMP
Sample : BI00280-BS1
Misc : QBQV4090320B
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 04 04:58:24 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

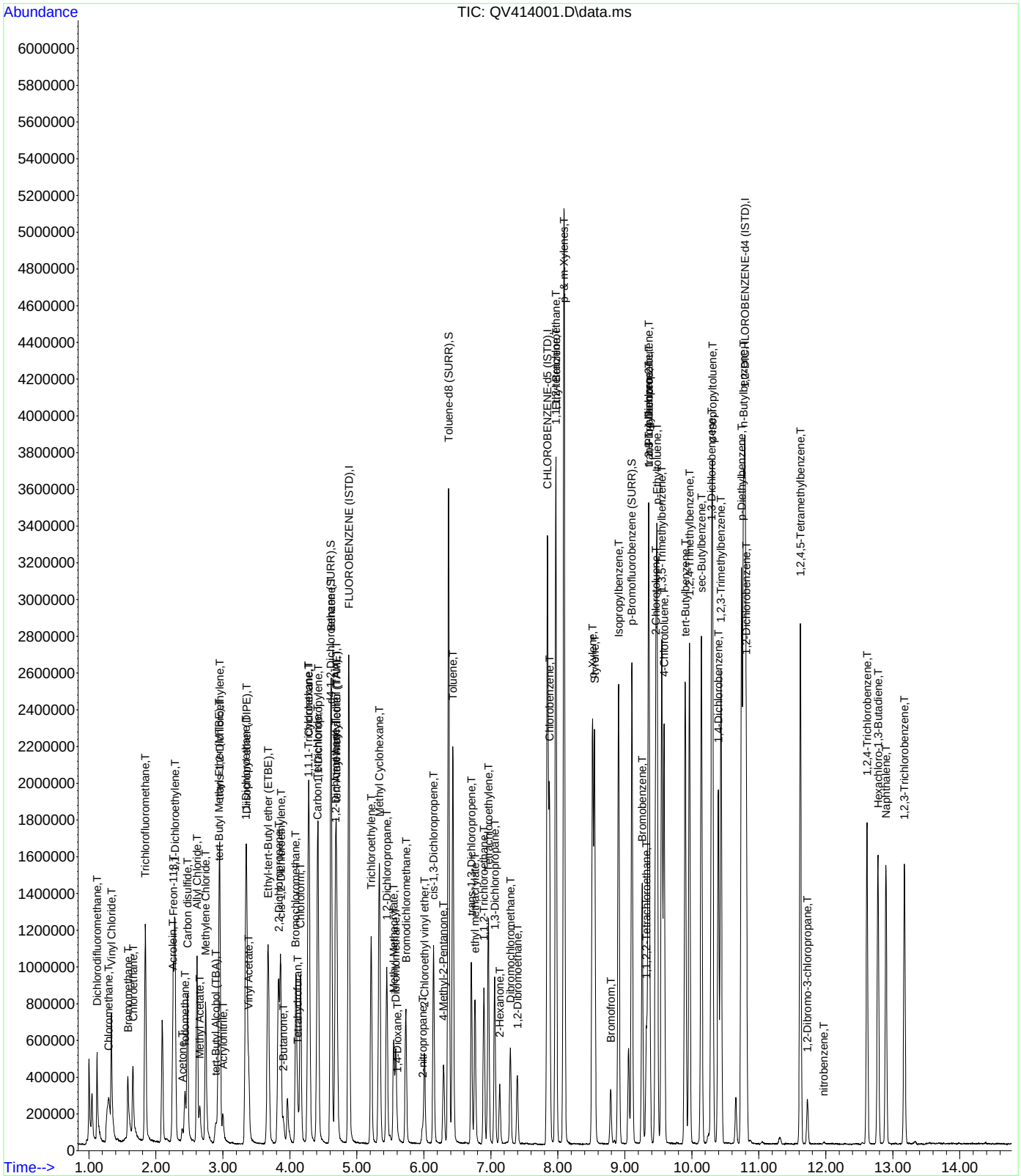
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.291	43	302587	55.18 ppb	#	86
55) Toluene	6.432	91	1405829	49.09 ppb		99
56) trans-1,3-Dichloropropene	6.708	75	465980	48.38 ppb	#	91
57) 1,1,2-Trichloroethane	6.897	97	231555	49.47 ppb		92
58) 1,3-Dichloropropane	7.056	76	451245	48.72 ppb	#	91
59) Tetrachloroethylene	6.964	166	282739	45.89 ppb		92
60) 2-Hexanone	7.131	43	215536	55.60 ppb		90
61) Dibromochloromethane	7.289	129	256026	52.60 ppb	#	94
62) 1,2-Dibromoethane	7.395	107	239275	49.42 ppb		99
63) Chlorobenzene	7.874	112	866620	49.47 ppb	#	85
64) 1,1,1,2-tetrachloroethane	7.968	131	291182	40.80 ppb	#	52
65) Ethyl Benzene	7.971	91	1722076	48.25 ppb		95
66) p- & m-Xylenes	8.091	91	2789227	97.46 ppb		91
67) o-Xylene	8.516	91	1346267	47.46 ppb		96
68) Styrene	8.547	104	968444	49.36 ppb	#	100
69) Bromofrom	8.789	173	120597	39.64 ppb		99
71) p-Ethyltoluene	9.482	105	1759050	50.03 ppb	#	97
72) Isopropylbenzene	8.906	105	1640024	45.81 ppb		93
74) 1,1,2,2-Tetrachloroethane	9.320	83	305486	50.16 ppb	#	100
75) Bromobenzene	9.256	77	618119	47.17 ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.354	75	394708	50.58 ppb	#	49
77) 1,2,3-Trichloropropane	9.354	110	104396	49.82 ppb		91
78) n-Propylbenzene	9.357	91	2158185	46.42 ppb		95
79) 2-Chlorotoluene	9.460	91	1417549	46.33 ppb		97
80) 4-Chlorotoluene	9.585	91	1422564	46.24 ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	1457969m	47.11 ppb		
82) tert-Butylbenzene	9.902	119	1196393	46.13 ppb		84
83) 1,2,4-Trimethylbenzene	9.963	105	1468921	46.07 ppb		88
84) sec-Butylbenzene	10.144	105	1945901	50.07 ppb		93
86) 1,3-Dichlorobenzene	10.294	146	688158	48.05 ppb	#	89
87) p-Isopropyltoluene	10.308	119	1693139	48.24 ppb		92
88) 1,4-Dichlorobenzene	10.394	146	651182	46.94 ppb	#	88
89) 1,2,3-Trimethylbenzene	10.433	105	1458419	51.82 ppb		93
90) nitrobenzene	11.966	77	3784m	55.78 ppb		
91) p-Diethylbenzene	10.742	105	1025539	55.71 ppb		91
92) 1,2-Dichlorobenzene	10.812	146	641739	48.91 ppb	#	87
93) n-Butylbenzene	10.770	91	1976088m	47.95 ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	63703	49.76 ppb	#	74
95) 1,2,4,5-Tetramethylben...	11.621	119	1517597	49.31 ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	430228	50.05 ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	259212	50.59 ppb	#	78
98) Naphthalene	12.896	128	1102131	53.09 ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	393304	52.91 ppb		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414001.D
Acq On : 4 Sep 2020 4:40 am
Operator : TMP
Sample : BI00280-BS1
Misc : QBQV4090320B
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 04 04:58:24 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414024.D
Acq On : 4 Sep 2020 2:45 pm
Operator : TMP
Sample : BI00280-BSD1
Misc : QBQV4090320B
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 04 15:05:14 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	426254	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1599980	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	767105	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	683618	51.34	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 102.68%				
54) Toluene-d8 (SURR)	6.366	98	2103639	49.09	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 98.18%				
73) p-Bromofluorobenzene (...	9.106	95	877761	49.18	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 98.36%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.118	85	368744	69.45	ppb	#	86
3) Chloromethane	1.294	50	583521	70.25	ppb	#	95
4) Vinyl Chloride	1.333	62	585130	75.22	ppb		100
5) Bromomethane	1.580	94	232943	70.77	ppb		98
6) Allyl Chloride	2.610	76	177528	52.61	ppb	#	100
7) Chloroethane	1.653	64	335869	76.52	ppb		98
8) Trichlorofluoromethane	1.839	101	871019	63.16	ppb		97
10) Freon-113	2.259	101	417488	61.75	ppb	#	92
11) 1,1-Dichloroethylene	2.281	61	596203	54.16	ppb		89
12) Acrolein	2.251	56	32653	88.49	ppb		95
13) Acetone	2.393	43	102034	42.45	ppb	#	42
14) Iodomethane	2.432	142	350361	61.59	ppb	#	20
15) Methyl Acetate	2.654	43	218210	49.02	ppb		96
16) Carbon disulfide	2.471	76	906957	52.71	ppb		100
17) tert-Butyl Alcohol (TBA)	2.894	59	146072	282.23	ppb	#	1
18) Methylene Chloride	2.743	49	490176	55.86	ppb		85
19) Acrylonitrile	2.999	53	93653	61.07	ppb	#	89
20) trans-1,2-Dichloroethy...	2.952	61	524712	53.62	ppb		92
21) tert-Butyl Methyl Ethe...	2.941	73	887819	54.14	ppb		99
22) 1,1-Dichloroethane	3.339	63	642932	50.13	ppb	#	96
23) Vinyl Acetate	3.383	43	438792	50.84	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	1180315	49.27	ppb		96
25) Ethyl-tert-Butyl ether...	3.675	59	1065284	51.64	ppb	#	97
26) cis-1,2-Dichloroethylene	3.859	61	601778	52.02	ppb		90
27) 2-Butanone	3.898	72	28790	62.59	ppb	#	39
28) 2,2-Dichloropropane	3.831	77	594460	51.52	ppb		96
29) Tetrahydrofuran	4.120	42	100037	58.68	ppb		78
30) Bromochloromethane	4.084	49	305770	52.90	ppb		83
31) Chloroform	4.157	83	645412	52.68	ppb	#	72
32) 1,1,1-Trichloroethane	4.274	97	616983	53.56	ppb		100
33) Cyclohexane	4.285	56	645116	52.62	ppb		89
34) 1,1-Dichloropropylene	4.421	75	525147	52.40	ppb		86
36) Carbon Tetrachloride	4.407	117	493527	56.40	ppb		99
37) tert-Amyl alcohol (TAA)	4.688	59	285581	646.03	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	507393	52.67	ppb	#	98
39) Benzene	4.616	78	1345663	53.57	ppb	#	86
40) tert-Amyl methyl ether...	4.694	73	1046090	55.59	ppb	#	91
42) Trichloroethylene	5.211	95	361382	50.82	ppb		82
43) Methyl Cyclohexane	5.334	83	627733	50.19	ppb	#	76
44) Methyl Methacrylate	5.548	69	192127	54.31	ppb	#	81
45) Dibromomethane	5.578	93	184143	50.85	ppb		92
46) Bromodichloromethane	5.729	83	436777	49.53	ppb		99
47) 1,2-Dichloropropane	5.445	63	332946	48.24	ppb	#	81
48) 1,4-Dioxane	5.595	88	67422m	1418.87	ppb		
49) 2-Chloroethyl vinyl ether	6.010	63	198280	68.93	ppb		97
50) 2-nitropropane	5.976	43	32392	63.86	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	532676	48.90	ppb		89
52) ethyl methacrylate	6.761	69	382885	54.77	ppb	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414024.D
Acq On : 4 Sep 2020 2:45 pm
Operator : TMP
Sample : BI00280-BSD1
Misc : QBQV4090320B
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 04 15:05:14 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

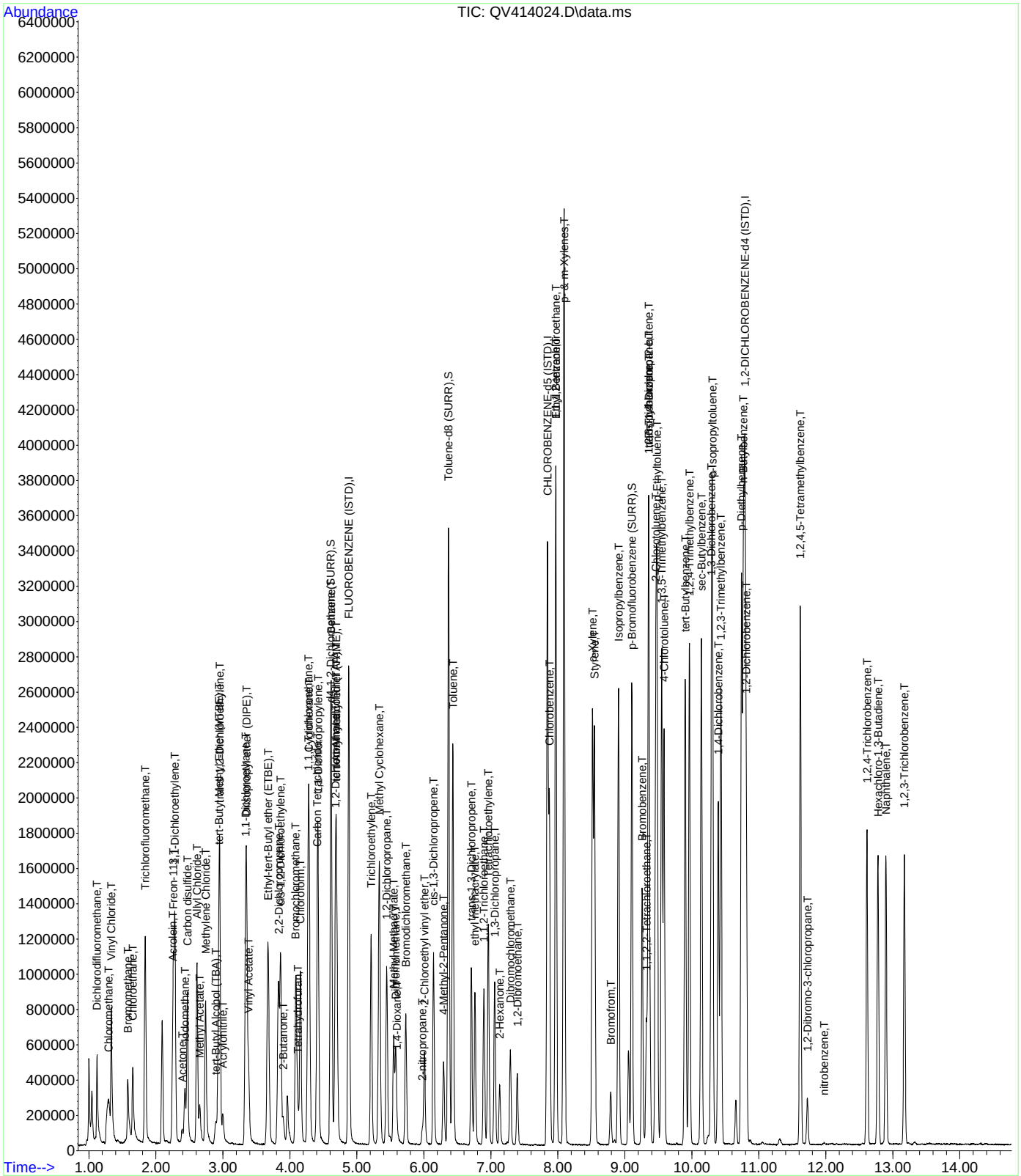
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	329370	58.83	ppb	#	87
55) Toluene	6.435	91	1481747	50.68	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	482766	49.10	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	248112	51.92	ppb		92
58) 1,3-Dichloropropane	7.059	76	470073	49.71	ppb	#	90
59) Tetrachloroethylene	6.961	166	294127	46.76	ppb	#	78
60) 2-Hexanone	7.131	43	231470	58.49	ppb		91
61) Dibromochloromethane	7.292	129	266496	53.63	ppb		97
62) 1,2-Dibromoethane	7.395	107	260610	52.72	ppb		96
63) Chlorobenzene	7.874	112	907264	50.73	ppb	#	86
64) 1,1,1,2-tetrachloroethane	7.968	131	300328	41.21	ppb	#	52
65) Ethyl Benzene	7.968	91	1801867	49.45	ppb		94
66) p- & m-Xylenes	8.094	91	2926419	100.16	ppb		91
67) o-Xylene	8.516	91	1408336	48.63	ppb		96
68) Styrene	8.544	104	1015884	50.71	ppb	#	100
69) Bromofrom	8.789	173	123799	39.85	ppb	#	81
71) p-Ethyltoluene	9.479	105	1805029	51.26	ppb	#	97
72) Isopropylbenzene	8.906	105	1715489	47.84	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.323	83	330480	54.18	ppb	#	100
75) Bromobenzene	9.257	77	638736	48.66	ppb		75
76) trans-1,4-Dichloro-2-b...	9.354	75	422407	54.04	ppb	#	51
77) 1,2,3-Trichloropropane	9.357	110	110923	52.85	ppb		93
78) n-Propylbenzene	9.354	91	2241047	48.13	ppb		94
79) 2-Chlorotoluene	9.462	91	1475655	48.16	ppb		97
80) 4-Chlorotoluene	9.585	91	1305312	42.36	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	1505680	48.57	ppb		91
82) tert-Butylbenzene	9.902	119	1266369	48.75	ppb		84
83) 1,2,4-Trimethylbenzene	9.963	105	1512461	47.37	ppb		88
84) sec-Butylbenzene	10.141	105	2013418	51.73	ppb		92
86) 1,3-Dichlorobenzene	10.292	146	707747	49.34	ppb	#	89
87) p-Isopropyltoluene	10.308	119	1736252	49.39	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	671198	48.31	ppb	#	89
89) 1,2,3-Trimethylbenzene	10.433	105	1509332	53.55	ppb		93
90) nitrobenzene	11.972	77	4023m	59.49	ppb		
91) p-Diethylbenzene	10.739	105	1036296	56.20	ppb		92
92) 1,2-Dichlorobenzene	10.812	146	661121m	50.31	ppb		
93) n-Butylbenzene	10.767	91	2038587m	49.39	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	72171	56.29	ppb	#	71
95) 1,2,4,5-Tetramethylben...	11.619	119	1612493	52.31	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	445991	51.81	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.782	225	276614	53.91	ppb	#	80
98) Naphthalene	12.898	128	1161171	55.85	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	411787	55.31	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090220\
Data File : QV414024.D
Acq On : 4 Sep 2020 2:45 pm
Operator : TMP
Sample : BI00280-BSD1
Misc : QBQV4090320B
ALS Vial : 58 Sample Multiplier: 1

Quant Time: Sep 04 15:05:14 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



LCS RAW DATA

SDG: 20I0044
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913536.D
Acq On : 3 Sep 2020 2:00 pm
Operator : TMP
Sample : BI00313-BS1
Misc : QBQV9090320A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 16:59:48 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	142242	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	481039	10.00	ppb	#	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	121450	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	124545	9.80	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 98.00%				
51) Toluene-d8 (SURR)	7.290	98	707488	10.42	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 104.20%				
70) p-Bromofluorobenzene (...	10.082	95	223873	10.44	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 104.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	141222	11.39	ppb	#	1
3) Chloromethane	1.725	50	158809	9.29	ppb		92
4) Vinyl Chloride	1.832	62	142589	9.61	ppb	#	98
5) Bromomethane	2.152	94	53106	6.82	ppb		100
6) Chloroethane	2.259	64	92233	10.66	ppb	#	20
7) Trichlorofluoromethane	2.512	101	235285	11.49	ppb	#	17
9) Freon-113	3.024	101	120213	10.04	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	233533	10.29	ppb	#	81
11) Acrolein	2.884	56	3887	6.48	ppb	#	1
12) Acetone	3.006	43	11915	9.18	ppb	#	1
13) Iodomethane	3.146	142	40646	2.69	ppb	#	72
14) Methyl Acetate	3.323	43	23790	7.96	ppb	#	1
15) Carbon disulfide	3.233	76	291188	9.11	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	13799	29.37	ppb	#	1
17) Methylene Chloride	3.462	49	160310	9.46	ppb		89
18) Acrylonitrile	3.637	53	13722	7.44	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	218893	10.23	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.727	73	150907	7.90	ppb	#	95
21) 1,1-Dichloroethane	4.131	63	261877	9.39	ppb	#	99
22) Vinyl Acetate	4.122	43	71188	8.69	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	344933	8.42	ppb	#	40
24) Ethyl-tert-Butyl ether...	4.514	59	293848	8.58	ppb	#	79
25) cis-1,2-Dichloroethylene	4.654	61	247275	10.18	ppb	#	89
26) 2-Butanone	4.613	72	3404	8.40	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	247696	13.14	ppb	#	87
28) Tetrahydrofuran	4.898	42	8836	7.46	ppb	#	58
29) Bromochloromethane	4.875	49	87494	8.94	ppb	#	33
30) Chloroform	4.965	83	235380	9.97	ppb	#	85
31) 1,1,1-Trichloroethane	5.145	97	258682	10.89	ppb	#	55
32) Cyclohexane	5.241	56	296427	10.31	ppb	#	75
33) 1,1-Dichloropropylene	5.293	75	197452	10.02	ppb	#	50
35) Carbon Tetrachloride	5.308	117	218103	10.93	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.438	59	21521	67.78	ppb	#	1
37) 1,2-Dichloroethane	5.502	62	133376	9.94	ppb	#	98
38) Benzene	5.470	78	504908	9.53	ppb	#	95
39) tert-Amyl methyl ether...	5.601	73	182978	8.20	ppb	#	1
41) Trichloroethylene	6.104	95	147005	10.66	ppb	#	74
42) Methyl Cyclohexane	6.357	83	238912	10.28	ppb	#	40
43) Methyl Methacrylate	6.360	69	72135	9.28	ppb	#	100
44) Dibromomethane	6.418	93	39135	8.92	ppb	#	53
45) Bromodichloromethane	6.583	83	147099	10.03	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	125315	9.35	ppb	#	94
47) 1,4-Dioxane	6.394	88	5839	195.66	ppb	#	86
49) cis-1,3-Dichloropropene	7.008	75	158348	9.53	ppb	#	61
50) 4-Methyl-2-Pentanone	7.121	43	33472	8.14	ppb	#	70
52) Toluene	7.356	91	572134	10.20	ppb		99
53) trans-1,3-Dichloropropene	7.569	75	116780	9.40	ppb	#	88

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913536.D
Acq On : 3 Sep 2020 2:00 pm
Operator : TMP
Sample : BI00313-BS1
Misc : QBQV9090320A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 16:59:48 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

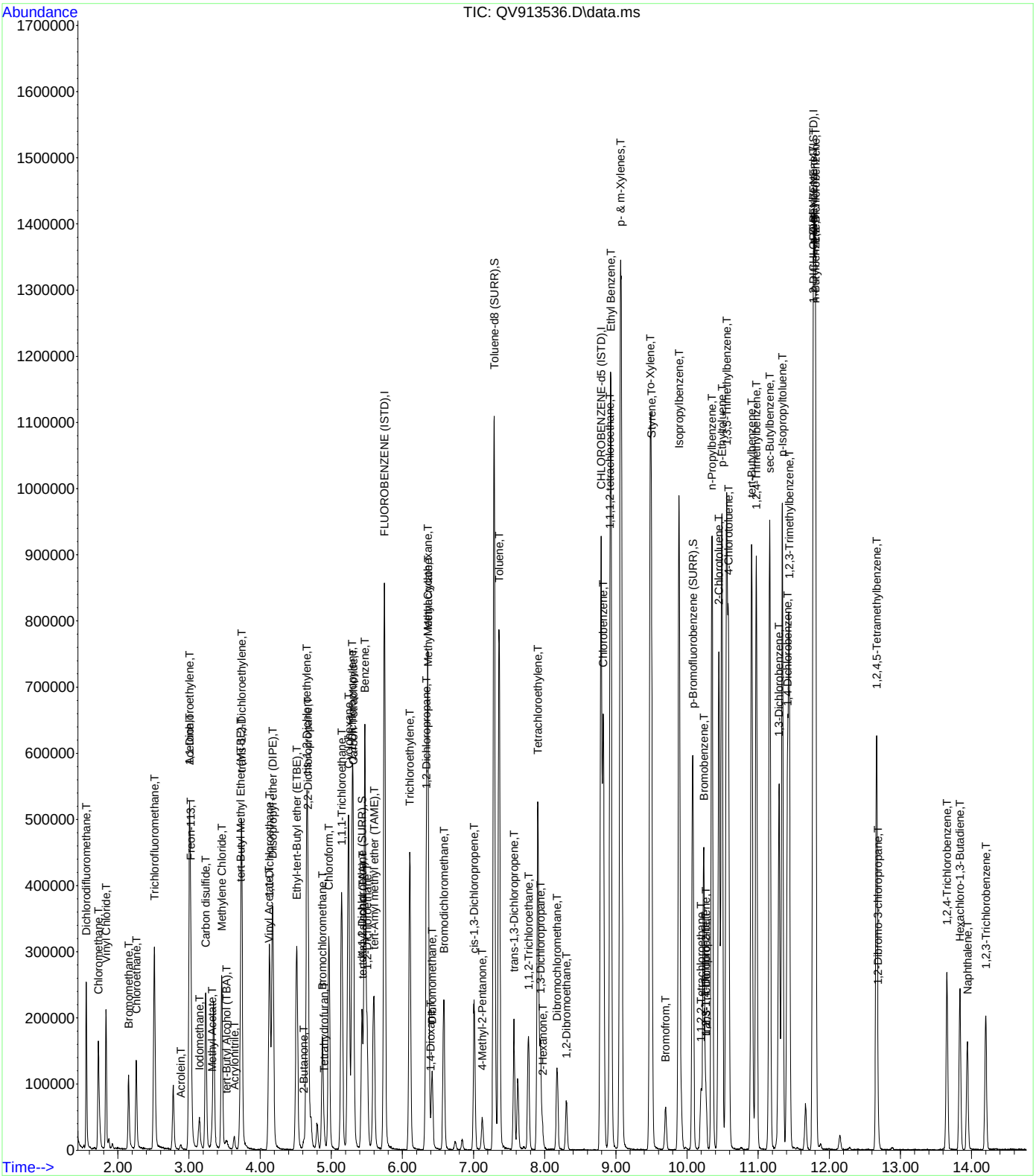
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.772	97	53715	8.88	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	96407	8.87	ppb	#	91
56) Tetrachloroethylene	7.903	166	150641	11.06	ppb	#	100
57) 2-Hexanone	7.970	43	21505	8.44	ppb	#	3
58) Dibromochloromethane	8.173	129	65219	9.23	ppb	#	83
59) 1,2-Dibromoethane	8.304	107	49334	8.89	ppb		93
60) Chlorobenzene	8.821	112	333278	10.28	ppb	#	84
61) 1,1,1,2-tetrachloroethane	8.917	131	110417	10.33	ppb	#	46
62) Ethyl Benzene	8.928	91	700461	10.93	ppb		95
63) p- & m-Xylenes	9.065	91	1109443	22.15	ppb		92
64) o-Xylene	9.484	91	538999	10.80	ppb		96
65) Styrene	9.498	104	356108	10.79	ppb	#	82
66) Bromofrom	9.699	173	30323	8.77	ppb	#	96
68) p-Ethyltoluene	10.492	105	640013	12.32	ppb	#	97
69) Isopropylbenzene	9.887	105	694238	11.58	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.195	83	45367	9.07	ppb	#	65
72) Bromobenzene	10.236	77	206834	10.68	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.265	75	68703m	9.80	ppb		
74) 1,2,3-Trichloropropane	10.265	110	14786	10.13	ppb	#	1
75) n-Propylbenzene	10.350	91	819389	11.67	ppb	#	90
76) 2-Chlorotoluene	10.448	91	462453	11.11	ppb		98
77) 4-Chlorotoluene	10.582	91	527335	11.39	ppb		95
78) 1,3,5-Trimethylbenzene	10.559	105	565575	11.92	ppb	#	61
79) tert-Butylbenzene	10.907	119	462211	10.27	ppb	#	84
80) 1,2,4-Trimethylbenzene	10.974	105	531607	11.75	ppb		93
81) sec-Butylbenzene	11.163	105	703161	12.46	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	226636	10.78	ppb		93
83) p-Isopropyltoluene	11.340	119	567298	11.93	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	218789	10.95	ppb		91
85) 1,2,3-Trimethylbenzene	11.436	105	457069	15.16	ppb	#	91
86) p-Diethylbenzene	11.773	105	317118	13.20	ppb	#	58
87) 1,2-Dichlorobenzene	11.805	146	176635	10.95	ppb	#	100
88) n-Butylbenzene	11.803	91	576896m	12.06	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	10902	10.09	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	361215	10.70	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.654	180	82281	9.80	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.837	225	51821	11.06	ppb	#	65
93) Naphthalene	13.941	128	129504	8.76	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.200	180	61585	9.18	ppb	#	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913536.D
Acq On : 3 Sep 2020 2:00 pm
Operator : TMP
Sample : BI00313-BS1
Misc : QBQV9090320A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Sep 04 16:59:48 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913537.D
Acq On : 3 Sep 2020 2:26 pm
Operator : TMP
Sample : BI00313-BSD1
Misc : QBQV9090320A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 17:01:16 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	141297	10.00	ppb		# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.789	117	512396	10.00	ppb		# 0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	146805	10.00	ppb		# 0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.427	65	145673	11.53	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 115.30%				
51) Toluene-d8 (SURR)	7.289	98	721424	9.98	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 99.80%				
70) p-Bromofluorobenzene (...	10.079	95	253595	9.79	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 97.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	130200	10.57	ppb	#	1
3) Chloromethane	1.725	50	147522	8.69	ppb		92
4) Vinyl Chloride	1.832	62	133233	9.04	ppb	#	98
5) Bromomethane	2.149	94	47844	6.19	ppb		97
6) Chloroethane	2.256	64	86324	10.04	ppb	#	20
7) Trichlorofluoromethane	2.509	101	216793	10.66	ppb	#	18
9) Freon-113	3.021	101	111217	9.35	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	216836	9.62	ppb	#	82
11) Acrolein	2.878	56	4313	7.24	ppb	#	1
12) Acetone	3.009	43	13549	10.51	ppb	#	1
13) Iodomethane	3.143	142	48837	3.25	ppb	#	72
14) Methyl Acetate	3.320	43	27714	9.33	ppb	#	1
15) Carbon disulfide	3.233	76	269987	8.51	ppb	#	20
16) tert-Butyl Alcohol (TBA)	3.532	59	19123m	40.98	ppb		
17) Methylene Chloride	3.459	49	163977	9.74	ppb		89
18) Acrylonitrile	3.631	53	16900	9.22	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	206329	9.71	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	186733	9.84	ppb	#	95
21) 1,1-Dichloroethane	4.131	63	259637	9.37	ppb	#	99
22) Vinyl Acetate	4.119	43	86328	10.61	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	382566	9.40	ppb	#	55
24) Ethyl-tert-Butyl ether...	4.514	59	346638	10.19	ppb	#	96
25) cis-1,2-Dichloroethylene	4.654	61	244954	10.15	ppb	#	80
26) 2-Butanone	4.616	72	4139	10.28	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	236686	12.64	ppb	#	87
28) Tetrahydrofuran	4.898	42	10787	9.16	ppb	#	42
29) Bromochloromethane	4.875	49	93668	9.63	ppb	#	33
30) Chloroform	4.968	83	237857	10.14	ppb	#	97
31) 1,1,1-Trichloroethane	5.142	97	248212	10.52	ppb	#	73
32) Cyclohexane	5.241	56	280649	9.83	ppb	#	75
33) 1,1-Dichloropropylene	5.296	75	184926	9.45	ppb	#	50
35) Carbon Tetrachloride	5.308	117	211025	10.64	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.433	59	29884	94.75	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	148012	11.11	ppb	#	98
38) Benzene	5.473	78	492584	9.35	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	224118	10.11	ppb	#	1
41) Trichloroethylene	6.101	95	139707	9.51	ppb	#	75
42) Methyl Cyclohexane	6.360	83	222405	8.98	ppb	#	35
43) Methyl Methacrylate	6.360	69	75823	9.16	ppb	#	100
44) Dibromomethane	6.418	93	45282	9.69	ppb	#	52
45) Bromodichloromethane	6.580	83	156966	10.05	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	129399	9.07	ppb	#	84
47) 1,4-Dioxane	6.397	88	6229	195.95	ppb	#	85
49) cis-1,3-Dichloropropene	7.008	75	171886	9.71	ppb	#	61
50) 4-Methyl-2-Pentanone	7.118	43	44966	10.26	ppb	#	72
52) Toluene	7.359	91	559472	9.37	ppb		99
53) trans-1,3-Dichloropropene	7.568	75	131119	9.91	ppb	#	98

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913537.D
Acq On : 3 Sep 2020 2:26 pm
Operator : TMP
Sample : BI00313-BSD1
Misc : QBQV9090320A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 17:01:16 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

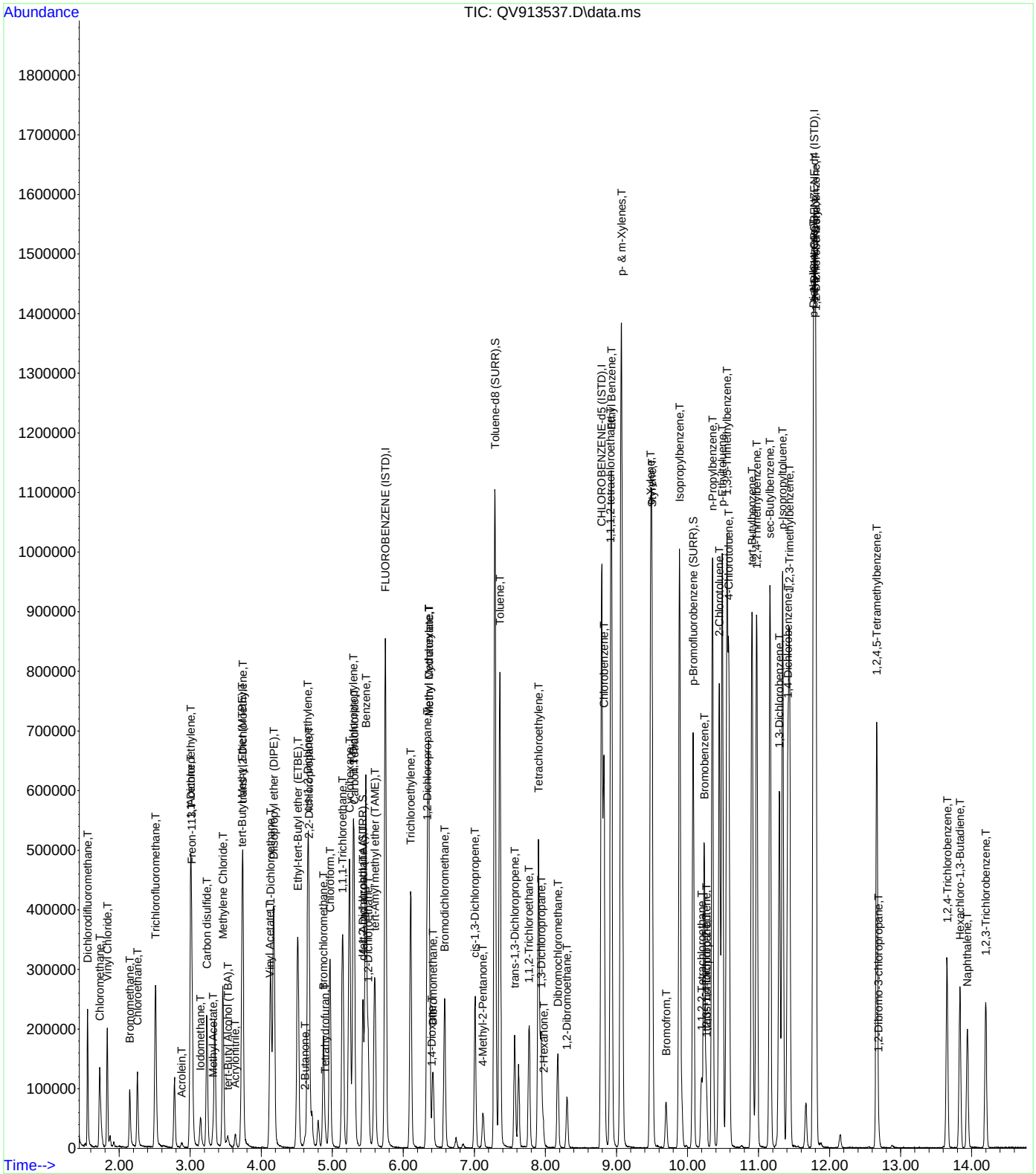
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.766	97	61784	9.59	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	114138	9.86	ppb	#	92
56) Tetrachloroethylene	7.903	166	142652	9.83	ppb	#	100
57) 2-Hexanone	7.972	43	28851	10.63	ppb	#	7
58) Dibromochloromethane	8.176	129	76207	10.12	ppb	#	86
59) 1,2-Dibromoethane	8.301	107	57973	9.81	ppb		92
60) Chlorobenzene	8.824	112	339016	9.82	ppb	#	84
61) 1,1,1,2-tetrachloroethane	8.917	131	115301	10.13	ppb	#	41
62) Ethyl Benzene	8.928	91	693866	10.17	ppb		95
63) p- & m-Xylenes	9.071	91	1096951	20.56	ppb		91
64) o-Xylene	9.481	91	541332	10.18	ppb		96
65) Styrene	9.498	104	368097	10.47	ppb	#	92
66) Bromofrom	9.701	173	35455	9.63	ppb	#	94
68) p-Ethyltoluene	10.489	105	667733	10.63	ppb	#	97
69) Isopropylbenzene	9.887	105	696854	9.61	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.198	83	57996	9.60	ppb	#	97
72) Bromobenzene	10.236	77	228155	9.74	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.265	75	82705m	9.76	ppb		
74) 1,2,3-Trichloropropane	10.268	110	18595	10.54	ppb	#	1
75) n-Propylbenzene	10.352	91	820350	9.67	ppb	#	89
76) 2-Chlorotoluene	10.448	91	487394	9.69	ppb		98
77) 4-Chlorotoluene	10.579	91	551831	9.86	ppb		94
78) 1,3,5-Trimethylbenzene	10.556	105	587925	10.25	ppb	#	60
79) tert-Butylbenzene	10.907	119	468835	8.62	ppb	#	84
80) 1,2,4-Trimethylbenzene	10.974	105	562881	10.29	ppb		93
81) sec-Butylbenzene	11.160	105	696524	10.21	ppb	#	92
82) 1,3-Dichlorobenzene	11.294	146	253256	9.97	ppb		93
83) p-Isopropyltoluene	11.337	119	583484	10.15	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	240096	9.94	ppb		91
85) 1,2,3-Trimethylbenzene	11.433	105	508031	13.94	ppb	#	90
86) p-Diethylbenzene	11.770	105	324748	11.18	ppb	#	60
87) 1,2-Dichlorobenzene	11.805	146	197216	10.11	ppb	#	100
88) n-Butylbenzene	11.802	91	579137m	10.01	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	12774	9.78	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	404801	9.92	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.656	180	99395	9.79	ppb	#	7
92) Hexachloro-1,3-Butadiene	13.834	225	56153	9.92	ppb	#	63
93) Naphthalene	13.935	128	163320	9.14	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.197	180	75427	9.31	ppb	#	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913537.D
Acq On : 3 Sep 2020 2:26 pm
Operator : TMP
Sample : BI00313-BSD1
Misc : QBQV9090320A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 04 17:01:16 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



LCS RAW DATA

SDG: 20I0044
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913558.D
Acq On : 3 Sep 2020 11:42 pm
Operator : TMP
Sample : BI00364-BS1
Misc : QBQV9090320B
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 08 13:37:12 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	180928	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	641623	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	175530	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	165179	10.21	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 102.10%				
51) Toluene-d8 (SURR)	7.289	98	902182	9.97	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 99.70%				
70) p-Bromofluorobenzene (...	10.082	95	303420	9.79	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 97.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	158286	10.04	ppb	#	1
3) Chloromethane	1.725	50	179176	8.24	ppb		93
4) Vinyl Chloride	1.832	62	178010	9.43	ppb	#	98
5) Bromomethane	2.149	94	45249	4.57	ppb		98
6) Chloroethane	2.256	64	125146	11.37	ppb	#	20
7) Trichlorofluoromethane	2.512	101	276908	10.64	ppb	#	20
9) Freon-113	3.021	101	155767	10.23	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	277805	9.62	ppb	#	82
11) Acrolein	2.878	56	5832	7.65	ppb	#	1
12) Acetone	3.003	43	15964	9.67	ppb	#	1
13) Iodomethane	3.146	142	74764	3.89	ppb	#	72
14) Methyl Acetate	3.323	43	32570	8.57	ppb	#	1
15) Carbon disulfide	3.233	76	378978	9.33	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	22960	38.42	ppb	#	1
17) Methylene Chloride	3.462	49	196156	9.10	ppb	#	88
18) Acrylonitrile	3.637	53	20281	8.64	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	256238	9.41	ppb	#	87
20) tert-Butyl Methyl Ethe...	3.730	73	225501	9.28	ppb	#	95
21) 1,1-Dichloroethane	4.131	63	321753	9.07	ppb	#	99
22) Vinyl Acetate	4.116	43	90535	8.69	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	453560	8.70	ppb	#	56
24) Ethyl-tert-Butyl ether...	4.511	59	416811	9.57	ppb	#	79
25) cis-1,2-Dichloroethylene	4.654	61	297383	9.63	ppb	#	88
26) 2-Butanone	4.616	72	5694m	11.04	ppb		
27) 2,2-Dichloropropane	4.671	77	267409	11.15	ppb	#	87
28) Tetrahydrofuran	4.907	42	13487	8.95	ppb	#	40
29) Bromochloromethane	4.875	49	108408	8.71	ppb	#	33
30) Chloroform	4.965	83	283570	9.44	ppb	#	96
31) 1,1,1-Trichloroethane	5.145	97	298021	9.86	ppb	#	55
32) Cyclohexane	5.241	56	362309	9.91	ppb	#	72
33) 1,1-Dichloropropylene	5.293	75	239412	9.55	ppb	#	49
35) Carbon Tetrachloride	5.308	117	252403	9.94	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.433	59	36693	90.85	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	158703	9.30	ppb	#	98
38) Benzene	5.470	78	633853	9.40	ppb	#	96
39) tert-Amyl methyl ether...	5.595	73	264676	9.33	ppb	#	1
41) Trichloroethylene	6.104	95	180196	9.79	ppb	#	75
42) Methyl Cyclohexane	6.354	83	307399	9.91	ppb	#	45
43) Methyl Methacrylate	6.362	69	101226	9.77	ppb	#	100
44) Dibromomethane	6.418	93	54231	9.26	ppb	#	49
45) Bromodichloromethane	6.580	83	182981	9.36	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	162372	9.08	ppb	#	94
47) 1,4-Dioxane	6.394	88	8583	215.62	ppb	#	76
49) cis-1,3-Dichloropropene	7.008	75	205917	9.29	ppb	#	59
50) 4-Methyl-2-Pentanone	7.121	43	48526	8.84	ppb	#	64
52) Toluene	7.359	91	739143	9.88	ppb		100
53) trans-1,3-Dichloropropene	7.566	75	148694	8.97	ppb	#	88

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913558.D
Acq On : 3 Sep 2020 11:42 pm
Operator : TMP
Sample : BI00364-BS1
Misc : QBQV9090320B
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 08 13:37:12 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

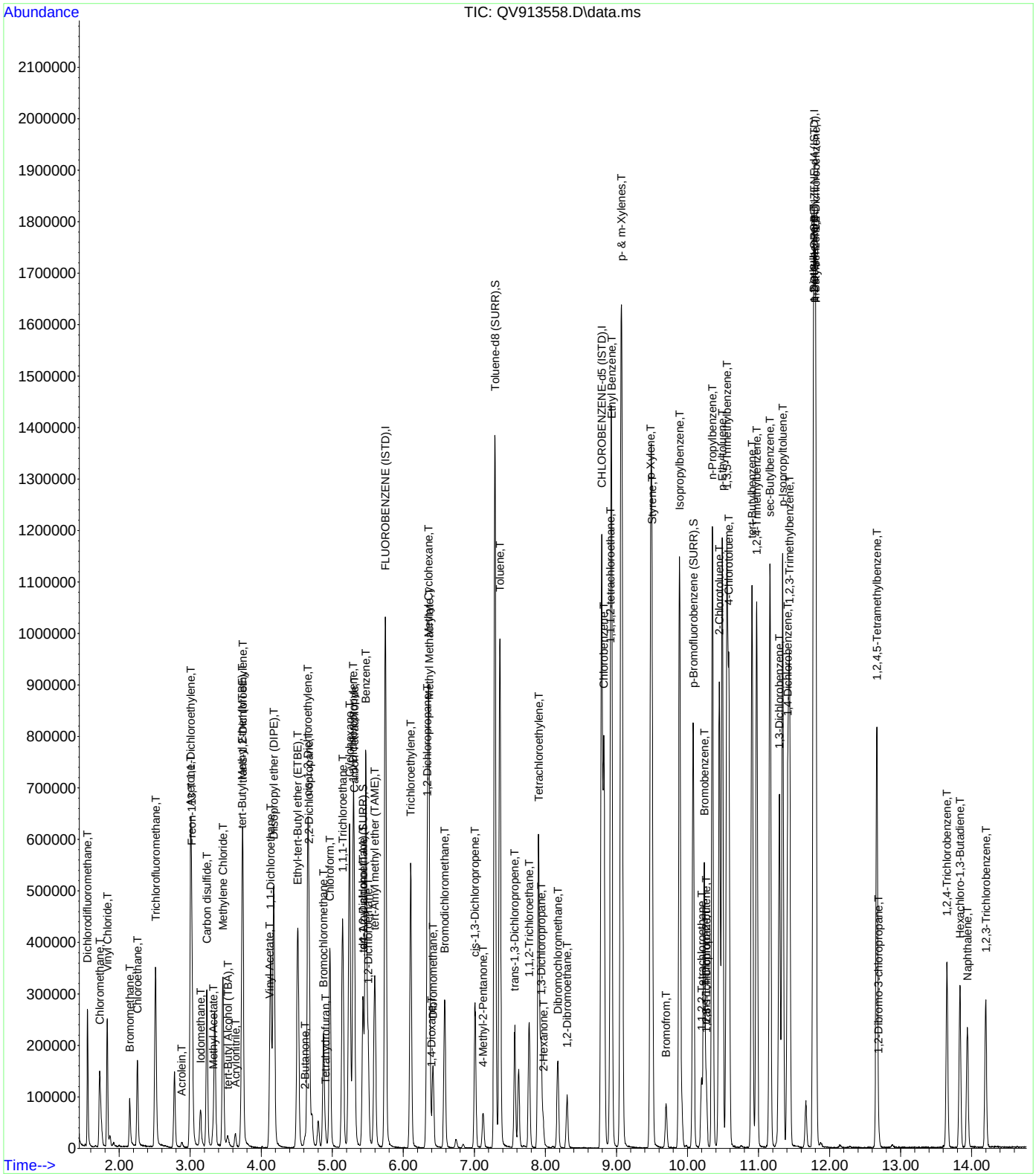
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.769	97	75164	9.31	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	134411	9.27	ppb	#	96
56) Tetrachloroethylene	7.906	166	181278	9.97	ppb	#	100
57) 2-Hexanone	7.969	43	30808	9.06	ppb	#	1
58) Dibromochloromethane	8.176	129	89871	9.53	ppb	#	84
59) 1,2-Dibromoethane	8.304	107	68878	9.31	ppb		94
60) Chlorobenzene	8.821	112	417007	9.64	ppb	#	85
61) 1,1,1,2-tetrachloroethane	8.914	131	138277	9.70	ppb	#	43
62) Ethyl Benzene	8.931	91	865597	10.13	ppb		95
63) p- & m-Xylenes	9.068	91	1349899	20.21	ppb		93
64) o-Xylene	9.481	91	652478	9.80	ppb		96
65) Styrene	9.501	104	445322	10.12	ppb	#	82
66) Bromofrom	9.699	173	39866	8.64	ppb	#	81
68) p-Ethyltoluene	10.489	105	779396	10.38	ppb	#	97
69) Isopropylbenzene	9.887	105	834081	9.62	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.198	83	65641	9.08	ppb	#	65
72) Bromobenzene	10.236	77	258832	9.24	ppb	#	76
73) trans-1,4-Dichloro-2-b...	10.262	75	92212m	9.10	ppb		
74) 1,2,3-Trichloropropane	10.265	110	21502	10.20	ppb	#	1
75) n-Propylbenzene	10.349	91	995801	9.82	ppb	#	90
76) 2-Chlorotoluene	10.448	91	569989	9.48	ppb		98
77) 4-Chlorotoluene	10.579	91	642604	9.60	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	683856	9.97	ppb	#	61
79) tert-Butylbenzene	10.907	119	562970	8.66	ppb	#	86
80) 1,2,4-Trimethylbenzene	10.974	105	646847	9.89	ppb		94
81) sec-Butylbenzene	11.160	105	852305	10.45	ppb	#	93
82) 1,3-Dichlorobenzene	11.291	146	294821	9.71	ppb		94
83) p-Isopropyltoluene	11.340	119	690162	10.05	ppb		96
84) 1,4-Dichlorobenzene	11.410	146	281333	9.74	ppb		93
85) 1,2,3-Trimethylbenzene	11.433	105	582615	13.37	ppb	#	91
86) p-Diethylbenzene	11.776	105	385962	11.12	ppb	#	60
87) 1,2-Dichlorobenzene	11.802	146	227276	9.75	ppb	#	100
88) n-Butylbenzene	11.800	91	714869m	10.34	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	13511	8.65	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	474065	9.72	ppb	#	90
91) 1,2,4-Trichlorobenzene	13.651	180	114560	9.44	ppb	#	11
92) Hexachloro-1,3-Butadiene	13.834	225	66607	9.84	ppb	#	64
93) Naphthalene	13.938	128	193305	9.05	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.200	180	89508	9.24	ppb	#	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913558.D
Acq On : 3 Sep 2020 11:42 pm
Operator : TMP
Sample : BI00364-BS1
Misc : QBQV9090320B
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 08 13:37:12 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913559.D
Acq On : 4 Sep 2020 12:07 am
Operator : TMP
Sample : BI00364-BSD1
Misc : QBQV9090320B
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 08 13:44:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	186456	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	658346	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	181743	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.432	65	170839	10.25	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 102.50%				
51) Toluene-d8 (SURR)	7.289	98	919700	9.90	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 99.00%				
70) p-Bromofluorobenzene (...	10.079	95	313940	9.78	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 97.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	149036	9.17	ppb	#	1
3) Chloromethane	1.724	50	172221	7.69	ppb		92
4) Vinyl Chloride	1.832	62	167619	8.62	ppb	#	98
5) Bromomethane	2.152	94	45219	4.43	ppb		97
6) Chloroethane	2.256	64	116938	10.31	ppb	#	20
7) Trichlorofluoromethane	2.512	101	261927	9.76	ppb	#	20
9) Freon-113	3.020	101	145761	9.29	ppb	#	1
10) 1,1-Dichloroethylene	3.009	61	264630	8.89	ppb	#	82
11) Acrolein	2.887	56	5418	6.89	ppb	#	1
12) Acetone	3.006	43	15428	9.07	ppb	#	1
13) Iodomethane	3.143	142	71586	3.61	ppb	#	74
14) Methyl Acetate	3.317	43	33360	8.51	ppb	#	1
15) Carbon disulfide	3.236	76	356651	8.52	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.526	59	23379	37.96	ppb	#	1
17) Methylene Chloride	3.459	49	186847	8.41	ppb	#	88
18) Acrylonitrile	3.637	53	20408	8.44	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	246087	8.77	ppb	#	87
20) tert-Butyl Methyl Ethe...	3.727	73	224390	8.96	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	309814	8.47	ppb	#	99
22) Vinyl Acetate	4.122	43	87548	8.16	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	439311	8.18	ppb	#	41
24) Ethyl-tert-Butyl ether...	4.514	59	411247	9.16	ppb	#	79
25) cis-1,2-Dichloroethylene	4.654	61	285651	8.97	ppb	#	80
26) 2-Butanone	4.613	72	5060	9.52	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	249645	10.10	ppb	#	85
28) Tetrahydrofuran	4.906	42	12207	7.86	ppb	#	20
29) Bromochloromethane	4.874	49	107064	8.34	ppb	#	33
30) Chloroform	4.967	83	276472	8.93	ppb	#	85
31) 1,1,1-Trichloroethane	5.145	97	284298	9.13	ppb	#	72
32) Cyclohexane	5.241	56	339670	9.01	ppb	#	73
33) 1,1-Dichloropropylene	5.293	75	234288	9.07	ppb	#	48
35) Carbon Tetrachloride	5.307	117	241560	9.23	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.435	59	36960	88.80	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	155352	8.83	ppb	#	98
38) Benzene	5.473	78	617232	8.88	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	262477	8.98	ppb	#	1
41) Trichloroethylene	6.104	95	173034	9.16	ppb	#	75
42) Methyl Cyclohexane	6.357	83	292091	9.18	ppb	#	46
43) Methyl Methacrylate	6.362	69	94870	8.92	ppb	#	98
44) Dibromomethane	6.418	93	52440	8.73	ppb	#	49
45) Bromodichloromethane	6.580	83	179379	8.94	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	156476	8.53	ppb	#	93
47) 1,4-Dioxane	6.400	88	9155	224.15	ppb	#	86
49) cis-1,3-Dichloropropene	7.007	75	202426	8.90	ppb	#	61
50) 4-Methyl-2-Pentanone	7.124	43	49990	8.88	ppb	#	67
52) Toluene	7.359	91	702419	9.15	ppb		99
53) trans-1,3-Dichloropropene	7.568	75	150439	8.85	ppb	#	99

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913559.D
Acq On : 4 Sep 2020 12:07 am
Operator : TMP
Sample : BI00364-BSD1
Misc : QBQV9090320B
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 08 13:44:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

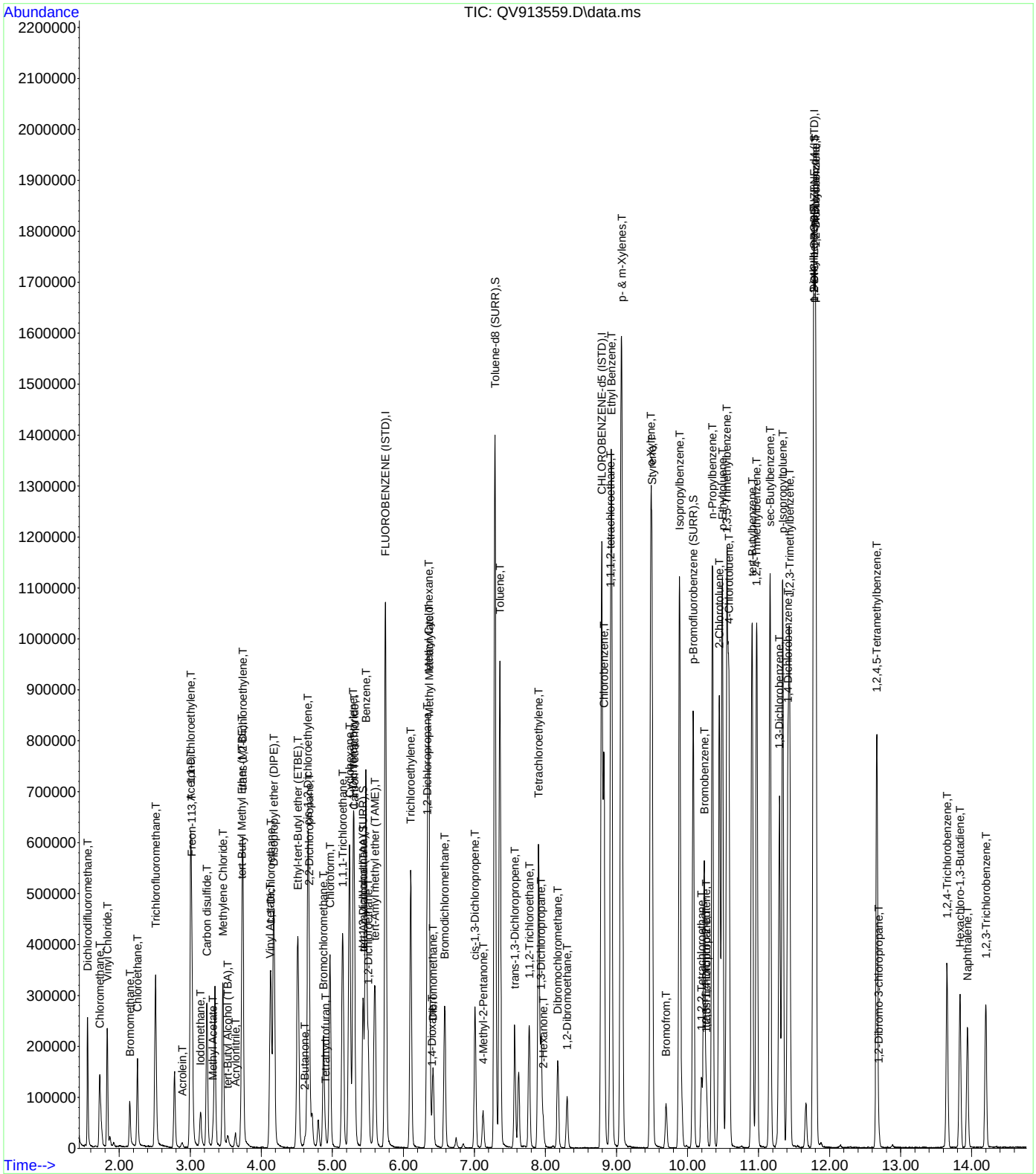
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.772	97	73455	8.87	ppb	#	1
55) 1,3-Dichloropropane	7.937	76	132900	8.93	ppb	#	68
56) Tetrachloroethylene	7.902	166	174809	9.37	ppb	#	100
57) 2-Hexanone	7.966	43	32288	9.26	ppb	#	1
58) Dibromochloromethane	8.173	129	88455	9.14	ppb	#	83
59) 1,2-Dibromoethane	8.304	107	68845	9.07	ppb		92
60) Chlorobenzene	8.824	112	414263	9.33	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.917	131	137366	9.39	ppb	#	47
62) Ethyl Benzene	8.928	91	835126	9.53	ppb		96
63) p- & m-Xylenes	9.074	91	1309472	19.11	ppb		93
64) o-Xylene	9.483	91	650075	9.52	ppb		96
65) Styrene	9.498	104	441967	9.78	ppb	#	82
66) Bromofrom	9.698	173	41977	8.87	ppb	#	96
68) p-Ethyltoluene	10.492	105	762016	9.80	ppb	#	97
69) Isopropylbenzene	9.887	105	814725	9.08	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.195	83	67925	9.08	ppb	#	65
72) Bromobenzene	10.236	77	262196	9.04	ppb	#	77
73) trans-1,4-Dichloro-2-b...	10.262	75	94227m	8.99	ppb		
74) 1,2,3-Trichloropropane	10.265	110	20738	9.50	ppb	#	1
75) n-Propylbenzene	10.349	91	975500	9.29	ppb	#	90
76) 2-Chlorotoluene	10.448	91	557608	8.95	ppb		98
77) 4-Chlorotoluene	10.582	91	637575	9.20	ppb		95
78) 1,3,5-Trimethylbenzene	10.553	105	681987	9.60	ppb	#	61
79) tert-Butylbenzene	10.910	119	547631	8.13	ppb	#	86
80) 1,2,4-Trimethylbenzene	10.971	105	650220	9.60	ppb		92
81) sec-Butylbenzene	11.163	105	849822	10.06	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	290828	9.25	ppb		94
83) p-Isopropyltoluene	11.340	119	690030	9.70	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	280158	9.37	ppb		92
85) 1,2,3-Trimethylbenzene	11.436	105	586909	13.01	ppb	#	90
86) p-Diethylbenzene	11.776	105	377834	10.51	ppb	#	58
87) 1,2-Dichlorobenzene	11.802	146	231478	9.59	ppb	#	100
88) n-Butylbenzene	11.799	91	710614m	9.93	ppb		
89) 1,2-Dibromo-3-chloropr...	12.692	75	14137	8.75	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.662	119	470371	9.31	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.653	180	118687	9.45	ppb	#	10
92) Hexachloro-1,3-Butadiene	13.836	225	66158	9.44	ppb	#	63
93) Naphthalene	13.938	128	191987	8.68	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.200	180	90842	9.05	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090320A\
Data File : QV913559.D
Acq On : 4 Sep 2020 12:07 am
Operator : TMP
Sample : BI00364-BSD1
Misc : QBQV9090320B
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 08 13:44:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



BENCHSHEETS

SDG: 20I0044

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00280

Preparation Date: 09/02/2020 06:59

York Analytical Laboratories, Inc. **Printed: 3/10/2021 9:56:09PM**

Matrix: Soil **Preparation: EPA 5035A** **Surrogate used: Y17H090 1 ul**

Lab Number	Analysis	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
20H1139-02 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20H1141-01RE1 A	Volatile Organics, Suffolk Co. App.A DHS List	5	5				From BI00143 by TMP on 0
20H1141-01RE2 A	Volatile Organics, Suffolk Co. App.A DHS List	5	5				Added 9/4/2020 by TMP
20H1151-01 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				From BI00143 by TMP on 0
20H1170-01 B	Volatile Organics, 8260 - Comprehensive	5.13	5				From BI00136 by AS on 09/
20H1170-02 B	Volatile Organics, Nassau Co. DOH Target List	5.87	5				From BI00136 by AS on 09/
20H1170-03 B	Volatile Organics, Nassau Co. DOH Target List	6.01	5				From BI00136 by AS on 09/
20I0001-01 A	Volatile Organics, 8260 List	5	5				
20I0001-02 A	Volatile Organics, 8260 List	5	5				
20I0004-01 A	Volatile Organics, 8260 - Comprehensive	5	5				
20I0018-01 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0021-01 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0024-01 A	Volatile Organics, 8260 - Comprehensive	5	5				
20I0044-01 B	Volatile Organics, 8260 - Comprehensive	9.75	5				
BI00280-BLK1	QC	5	5				
BI00280-BLK2	QC	5	5				
BI00280-BS1	QC	5	5	Y20H309		5	
BI00280-BSD1	QC	5	5	Y20H309		5	

From BI00136 on 09/04/2020 by AS

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by **AS** **Date:** **09/03/2020 06:06**

BENCHSHEETS

SDG: 20I0044

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-AQUEOUS: BI00313

Prepared: **09/03/2020 10:54**

York Analytical Laboratories, Inc.

Printed: 9/14/2020 4:56:03AM

Matrix: Water **Preparation EPA 5030B** **Surrogate used: Y17H086** **1** **ul**

Lab Number	Analysis	Initial (mL)	Final (mL)	Spike 1 ID	ul Spike 1	Spike 2 ID	ul Spike 2	Source ID	pH Data			Decanted Y/N	Comments
									Initial	Acid	Basic		
20I0005-01 B	Volatile Organics, t	5	5							<2	Na		
20I0005-01 B	Volatile Organics, ξ	5	5							<2	Na		
20I0005-02 B	Volatile Organics, ξ	5	5							<2	Na		
20I0005-02 B	Volatile Organics, t	5	5							<2	Na		
20I0005-03 B	Volatile Organics, ξ	5	5							<2	Na		
20I0005-03 B	Volatile Organics, t	5	5							<2	Na		
20I0005-04 B	Volatile Organics, t	5	5							<2	Na		
20I0005-05 B	Volatile Organics, ξ	5	5							<2	Na		
20I0005-05 B	Volatile Organics, t	5	5							<2	Na		
20I0005-06 B	Volatile Organics, ξ	5	5							<2	Na		
20I0005-06 B	Volatile Organics, t	5	5							<2	Na		
20I0005-07 A	Volatile Organics, t	5	5							<2	Na		
20I0005-07 A	Volatile Organics, ξ	5	5							<2	Na		
20I0012-02 A	Volatile Organics, 7	25	25							<2	Na		
20I0012-02 A	VOA, 8260 NJ DK	25	25							<2	Na		
20I0012-05 A	VOA, 8260 NJ DK	25	25							<2	Na		
20I0012-05 A	Volatile Organics, 7	25	25							<2	Na		
20I0012-06 A	VOA, 8260 NJ DK	25	25							<2	Na		
20I0012-06 A	Volatile Organics, 7	25	25							<2	Na		
20I0044-03 B	Volatile Organics, ξ	25	25							<2	Na		
20I0044-04 A	Volatile Organics, ξ	25	25							<2	Na		
20I0174-03 A	VOA, 8260 LOW M	25	25							<2	NA		
BI00313-BLK1	QC	25	25							<2	NA		
BI00313-BS1	QC	25	25	Y20H308	5					<2	NA		
BI00313-BSD1	QC	25	25	Y20H308	5					<2	NA		

Reagents:

ID Number	Description	Lot Number
Y18B221	Antifoam B Silicone Emulsion	0000171560

ID Number	Description	Lot Number
Y20E173	Q_VOA_40mL HCL Pre-Preserved	2515

Preparation Performed by **TMP** **Date:** **09/03/2020 06:54**

BENCHSHEETS

SDG: 20I0044

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-AQUEOUS: BI00364

Prepared: **09/02/2020 06:45**

York Analytical Laboratories, Inc.

Printed: 9/8/2020 4:51:11PM

Matrix: Water **Preparation EPA 5030B** **Surrogate used: Y17H091** **1** **ul**

Lab Number	Analysis	Initial (mL)	Final (mL)	Spike 1 ID	ul Spike 1	Spike 2 ID	ul Spike 2	Source ID	pH Data Initial	pH Data Acid	pH Data Basic	Decanted Y/N	Comments
20H1216-10RE1 E	Volatile Organics, 8	25	25							<2	NA		From BI00135 by TMP on 09/08/2020
20I0012-04 A	Volatile Organics, 1	25	25							<2	NA		
20I0012-04 A	VOA, 8260 NJ DK	25	25							<2	NA		
20I0044-02 B	Volatile Organics, 8	25	25							<2	NA		
20I0053-01 B	VOA, 8260 LOW M	25	25							<2	NA		
20I0053-02 B	VOA, 8260 LOW M	25	25							<2	NA		
BI00364-BLK1	QC	25	25							<2	NA		
BI00364-BS1	QC	25	25	Y20H308	5					<2	NA		
BI00364-BSD1	QC	25	25	Y20H308	5					<2	NA		

Reagents:

ID Number	Description	Lot Number
Y18B221	Antifoam B Silicone Emulsion	0000171560

ID Number	Description	Lot Number
Y20E173	Q_VOA_40mL HCL Pre-Preserved	2515

Preparation Performed by **TMP** **Date:** **09/03/2020 06:45**

York Analytical Laboratories, Inc.
SDG: 20I0044
CLASS: WET
METHOD: SM 2540G

DATA PACKAGE COVER PAGE

SM 2540G

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0044

Client: Walden Associates
Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Client Sample Id:	Lab Sample Id:
GB-16B (12-14)	20I0044-01

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the project narrative. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by

Signature: 

Name: Benjamin Gulizia

Date: 3/10/2021

Title: Laboratory Director

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-16B (12-14)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Matrix: Soil Laboratory ID: 20I0044-01 File ID:

Sampled: 08/31/20 15:30 Prepared: 09/02/20 08:05 Analyzed: 09/02/20 16:06

Solids: 96.39 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00087 Sequence: Calibration: 09/02/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	96.4	1		SM 2540G

FORM IV **PREPARATION BATCH SUMMARY**

SM 2540G

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Batch: BI00087 Batch Matrix: Soil Preparation: % Solids Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-16B (12-14)	20I0044-01		09/02/20 08:05	

BENCHSHEETS

SDG: 20I0044

CLASS: WET

METHOD: SM 2540G

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00087

Preparation Date: 09/02/2020 08:05

York Analytical Laboratories, Inc. **Printed: 3/10/2021 10:09:16PM**

Matrix: Soil **Preparation: % Solids Prep** **(No Surrogate)** **ul**

Lab Number	Analysis	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	Comments
20I0040-03 A	Total Solids	5	5				
20I0040-04 A	Total Solids	5	5				
20I0041-01 A	Total Solids	5	5				
20I0041-02 A	Total Solids	5	5				
20I0041-03 A	Total Solids	5	5				
20I0041-04 A	Total Solids	5	5				
20I0041-05 A	Total Solids	5	5				
20I0044-01 A	Total Solids	5	5				
20I0055-01 A	Total Solids	5	5				
BI00087-DUP1	QC	5	5		20I0055-01		

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by **WJM** **Date:** **09/02/2020 08:05**

YORK
ANALYTICAL LABORATORIES, INC.

TOTAL SOLIDS ELECTRONIC LOG

Sample No.	Analyte	Analysis Date	Analyst	Batch ID	Init. Result	Final Result	Units	Prep. Units
20I0044-01	% Solids	9/2/2020 4:06:16PM	SK	BI00087	96.39	96.4	%	g
20I0044-01	Final Wt.	9/2/2020 4:06:16PM	SK	BI00087	1.69	1.69	%	g
20I0044-01	Initial Wt.	9/2/2020 4:06:16PM	SK	BI00087	1.70	1.70	%	g
20I0044-01	Tare Wt.	9/2/2020 4:06:16PM	SK	BI00087	1.29	1.29	%	g
20I0055-01	% Solids	9/2/2020 4:06:16PM	SK	BI00087	100.00	100	%	g
20I0055-01	Final Wt.	9/2/2020 4:06:16PM	SK	BI00087	0.00	0.00	%	g
20I0055-01	Initial Wt.	9/2/2020 4:06:16PM	SK	BI00087	0.00	0.00	%	g
20I0055-01	Tare Wt.	9/2/2020 4:06:16PM	SK	BI00087	0.00	0.00	%	g
BI00087-DUP1	% Solids	9/2/2020 4:06:16PM	SK	BI00087	100.00	100	%	g
BI00087-DUP1	Final Wt.	9/2/2020 4:06:16PM	SK	BI00087	0.00	0.00	%	g
BI00087-DUP1	Initial Wt.	9/2/2020 4:06:16PM	SK	BI00087	0.00	0.00	%	g
BI00087-DUP1	Tare Wt.	9/2/2020 4:06:16PM	SK	BI00087	0.00	0.00	%	g

Note: Units for Tare, Initial and Final Wts. are in grams

HOLDING TIME SUMMARY

SM 2540G

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0044

Client: Walden Associates Project: IMPL0115.6 218 Lakeville Road New Hyde Park

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GB-16B (12-14)	08/31/20 15:30	09/01/20 16:56	09/02/20 08:05	1.69	28.00	09/02/20 16:06	2.03	28.00	

METHOD DETECTION AND REPORTING LIMITS

SM 2540G

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0044

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville Road New Hyd

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
% Solids	0.100	0.100	%

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Blank Raw Data - Batch: BI00641 440
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Technical Report

prepared for:

Walden Associates
16 Spring Street
Oyster Bay NY, 11771
Attention: Nora Brew

Report Date: 03/11/2021
Client Project ID: IMPLO115.6-218 Lakeview Road, New Hyde Park
York Project (SDG) No.: 20I0216

Report Date: 03/11/2021
Client Project ID: IMPLO115.6-218 Lakeview Road, New Hyde Park
York Project (SDG) No.: 20I0216

Walden Associates
16 Spring Street
Oyster Bay NY, 11771
Attention: Nora Brew

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on September 03, 2020 and listed below. The project was identified as your project: **IMPLO115.6-218 Lakeview Road, New Hyde Park**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20I0216-01	GB-17 (4-5)	Soil	09/03/2020	09/03/2020
20I0216-02	GB-19 (2-4)	Soil	09/03/2020	09/03/2020
20I0216-03	GB-20 (4-6)	Soil	09/03/2020	09/03/2020
20I0216-04	GB-18 (2-4)	Soil	09/03/2020	09/03/2020
20I0216-05	FB-3	Water	09/03/2020	09/03/2020
20I0216-06	TB-2	Water	09/03/2020	09/03/2020

General Notes for York Project (SDG) No.: 20I0216

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By:  **Date:** 03/11/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: GB-17 (4-5)

York Sample ID: 20I0216-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:25 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	28	56	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-17 (4-5)

York Sample ID: 20I0216-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:25 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**6.6**	CCV-E, ICV-E	ug/kg dry	2.8	5.6	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	**cis-1,2-Dichloroethylene**	**10**		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-17 (4-5) **York Sample ID:** 20I0216-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:25 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.8	5.6	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**43000**		ug/kg dry	1400	2800	1000	EPA 8260C	09/08/2020 06:12	09/11/2020 09:31	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH			
79-01-6	**Trichloroethylene**	**3.8**		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.2	8.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 17:41	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*110 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*119 %*	*76-130*

Sample Information

Client Sample ID: GB-17 (4-5) **York Sample ID:** 20I0216-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:25 pm	09/03/2020

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	* % Solids	98.4		%	0.100	1	SM 2540G	09/04/2020 07:59	09/04/2020 13:49	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: GB-19 (2-4) **York Sample ID:** 20I0216-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:30 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-19 (2-4) **York Sample ID:** 20I0216-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:30 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	28	55	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-19 (2-4) **York Sample ID:** 20I0216-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:30 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-82-7	Cyclohexane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.8	5.5	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**46**		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-19 (2-4) **York Sample ID:** 20I0216-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:30 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.4	2.8	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.1	8.3	1	EPA 8260C	09/09/2020 06:42	09/09/2020 13:03	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*94.3 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*98.3 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**99.4**		%	0.100	1	SM 2540G	09/04/2020 07:59	09/04/2020 13:49	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: GB-20 (4-6) **York Sample ID:** 20I0216-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:35 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-20 (4-6)

York Sample ID: 20I0216-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:35 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	25	50	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	**Acetone**	**6.6**	CCV-E, ICV-E	ug/kg dry	2.5	5.0	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-20 (4-6) **York Sample ID:** 20I0216-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:35 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			

Sample Information

Client Sample ID: GB-20 (4-6)

York Sample ID: 20I0216-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 1:35 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	2.5	5.0	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**15**		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH			
79-01-6	Trichloroethylene	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.2	2.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	3.7	7.5	1	EPA 8260C	09/08/2020 06:12	09/08/2020 18:34	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*102 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*100 %*	*85-120*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*76-130*

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**97.0**		%	0.100	1	SM 2540G	09/04/2020 07:59	09/04/2020 13:49	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: GB-18 (2-4) **York Sample ID:** 20I0216-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 2:10 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/kg dry	33	66	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-18 (2-4) **York Sample ID:** 20I0216-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 2:10 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	**Acetone**	**3.7**	CCV-E, ICV-E, J	ug/kg dry	3.3	6.6	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	**cis-1,2-Dichloroethylene**	**6.4**		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: GB-18 (2-4) **York Sample ID:** 20I0216-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 2:10 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
79-20-9	Methyl acetate	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/kg dry	3.3	6.6	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**22000**		ug/kg dry	1600	3300	1000	EPA 8260C	09/08/2020 06:12	09/11/2020 16:29	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	* trans-1,4-dichloro-2-butene	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH			
79-01-6	**Trichloroethylene**	**2.0**	J	ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/kg dry	1.6	3.3	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/kg dry	4.9	9.8	1	EPA 8260C	09/08/2020 06:12	09/08/2020 19:17	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*103 %*	*77-125*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*104 %*	*85-120*

Sample Information

Client Sample ID: GB-18 (2-4) **York Sample ID:** 20I0216-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Soil	September 3, 2020 2:10 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5035A

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*			*76-130*						

Total Solids

Log-in Notes:

Sample Notes:

Sample Prepared by Method: % Solids Prep

CAS No.	Parameter	Result	Flag	Units	Reported to LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
solids	*** % Solids**	**96.3**		%	0.100	1	SM 2540G	09/04/2020 07:59	09/04/2020 13:49	SK
						Certifications:	CTDOH			

Sample Information

Client Sample ID: FB-3 **York Sample ID:** 20I0216-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Water	September 3, 2020 1:40 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroetha ne (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-3 **York Sample ID:** 20I0216-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Water	September 3, 2020 1:40 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	**2-Butanone**	**3.2**		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	**Acetone**	**42**		ug/L	1.0	2.0	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-3 **York Sample ID:** 20I0216-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Water	September 3, 2020 1:40 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	**tert-Butyl alcohol (TBA)**	**7.2**		ug/L	0.50	1.0	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: FB-3 **York Sample ID:** 20I0216-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Water	September 3, 2020 1:40 pm	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/11/2020 06:56	09/11/2020 16:28	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*109 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*96.8 %*	*79-122*

Sample Information

Client Sample ID: TB-2 **York Sample ID:** 20I0216-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Water	September 3, 2020 12:00 am	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: TB-2 **York Sample ID:** 20I0216-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Water	September 3, 2020 12:00 am	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	**2-Butanone**	**3.5**		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	**Acetone**	**7.4**	B	ug/L	1.0	2.0	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: TB-2 **York Sample ID:** 20I0216-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Water	September 3, 2020 12:00 am	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			

Sample Information

Client Sample ID: TB-2 **York Sample ID:** 20I0216-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20I0216	IMPLO115.6-218 Lakeview Road, New Hyde Park	Water	September 3, 2020 12:00 am	09/03/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	09/08/2020 06:32	09/09/2020 00:58	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*104 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*102 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*101 %*	*79-122*

CASE NARRATIVE

York Project/SDG No.: 20I0216
Client: Walden Associates
Client Project ID: IMPLO115.6-218 Lakeview Road, New Hyde Park
Prepared for: Nora Brew

Introduction

This Case Narrative applies only to the samples submitted to our laboratory on **09/03/2020 18:08** as detailed on the chain-of-custody form.

The 6 sample(s) were received intact in a custody-sealed cooler(s), unless otherwise noted.
Upon receipt, cooler temperature(s) was determined using a NIST traceable digital infrared thermometer. The cooler temperature was acceptable (≤ 6°C) and documented as:

Cooler	Temp C°
Default Cooler	**1.2**

Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

All preparation and analyses were conducted according to the appropriate EPA methods detailed in the report.

Client Sample Information and Non-Conformances

Laboratory ID	Sample Name	Matrix
20I0216-01	GB-17 (4-5)	Soil
20I0216-02	GB-19 (2-4)	Soil
20I0216-03	GB-20 (4-6)	Soil
20I0216-04	GB-18 (2-4)	Soil
20I0216-05	FB-3	Water
20I0216-06	TB-2	Water

Laboratory ID	Sample Name	Analysis	Analyte	Qualifier	Description
20I0216-04RE1		Volatile Organics, 8260 - Comprehensive	SURR: 1,2-Dichloroethane-d4		
	S-03	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.			

Any additional Client Sample Non-conformances are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

QC Sample Non-Conformances

Any QC sample Non-conformances (SCV, CCV, BS, BSD, SRM, PS, MS, MSD, DUP) are detailed in the proceeding Case

Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

York Project/SDG no.: 20I0216 Statement

We certify that these data are in compliance with SOP requirements both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report and any electronic data deliverables has been authorized by the Laboratory Manager as verified by the signature on this laboratory report.

Approved by: *Ben Gulizia*
Laboratory Director

Date: 3/10/21

York Analytical Laboratories, Inc.

Formulae Used for Sample Calculations

1. **Volatile Organics (Water-ug/L or Soil-ug/Kg)**

Soils/Waters

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%\ solids)}$$

Medium Level Soils

$$Cx = \frac{(Ax)(IS)(VT)(1000)(DF)}{(Ais)(RRF)(VA)(V)(\%\ solids)}$$

2. **Semi-Volatiles (Water-ug/L or Soil-ug/Kg)**

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

3. **Pesticides/PCB, DRO, EPH, CTETPH (Water-ug/L or Soil-ug/Kg)**

$$Cx = \frac{(Ax)(VE)(DF)}{(CF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

4. **Inorganics (Water or Soil-ug/mL)**

$$Cx = \frac{(Conc.)(VE)}{(V)(\%\ solids/100)}$$

WHERE:

Cx = concentration of analyte as ug/L or ug/kg
Ax = Area of the characteristic ion for the compound to be measured, counts
Ais = Area of the characteristic ion for the specific internal standard, counts

IS = Concentration of the internal standard spiking mixture, ng
RRF = Mean relative response factor from the initial calibration
DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF= 1
V = Volume for liquids in mL, weight for soils/solids in grams
VA = volume of MeOH aliquot for medium level soils
VE = final volume of concentrated extract or digestate
VT = volume of MeOH for volatiles medium level soils
CF = calibration factor for external calibration used in GC pest/pcb
Cis = Concentration of the internal standard spiking mixture, ppbv

Case Narrative Non-Conformance Summary

Laboratory:	York Analytical Laboratories, Inc.	Client:	
Project:		Lab Project No:	
Laboratory Sample ID(s)	-01 - -06	Sampling Date(s):	09/03/2020 - 09/03/2020
Review Date(s):	-	Laboratory Reviewer(s):	

QC Sample Nonconformances

Batch ID: BI00428 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00428-BSD1	Bromomethane - 74-83-9	4.2 ug/L	LCS Dup	42.4	43-168	Low Bias	5.95	30		

Batch ID: BI00456 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00456-BS1	Chloroethane - 75-00-3	76 ug/L	LCS	152	51-142	High Bias				
BI00456-BS1	Vinyl Chloride - 75-01-4	68 ug/L	LCS	137	52-130	High Bias				
BI00456-BSD1	Chloroethane - 75-00-3	76 ug/L	LCS Dup	151	51-142	High Bias	0.106	30		
BI00456-BSD1	Vinyl Chloride - 75-01-4	74 ug/L	LCS Dup	147	52-130	High Bias	7.15	30		

Batch ID: BI00602 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00602-BS1	Chloroethane - 75-00-3	89 ug/L	LCS	177	51-142	High Bias				
BI00602-BS1	Chloromethane - 74-87-3	69 ug/L	LCS	139	49-132	High Bias				
BI00602-BS1	Dichlorodifluoromethane - 75-71-8	96 ug/L	LCS	193	28-158	High Bias				
BI00602-BS1	Vinyl Chloride - 75-01-4	75 ug/L	LCS	149	52-130	High Bias				
BI00602-BSD1	Chloroethane - 75-00-3	95 ug/L	LCS Dup	190	51-142	High Bias	6.97	30		
BI00602-BSD1	Chloromethane - 74-87-3	76 ug/L	LCS Dup	152	49-132	High Bias	9.24	30		
BI00602-BSD1	Dichlorodifluoromethane - 75-71-8	100 ug/L	LCS Dup	207	28-158	High Bias	7.08	30		
BI00602-BSD1	Trichlorofluoromethane - 75-69-4	73 ug/L	LCS Dup	145	62-140	High Bias	6.65	30		
BI00602-BSD1	Vinyl Chloride - 75-01-4	80 ug/L	LCS Dup	160	52-130	High Bias	7.23	30		

Batch ID: BI00637 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00637-BS1	1,2,4-Trimethylbenzene - 95-63-6	40 ug/L	LCS	80.6	84-125	Low Bias				
BI00637-BS1	1,4-Dichlorobenzene - 106-46-7	41 ug/L	LCS	82.6	84-124	Low Bias				
BI00637-BS1	n-Butylbenzene - 104-51-8	37 ug/L	LCS	74.9	80-130	Low Bias				
BI00637-BS1	p-Isopropyltoluene - 99-87-6	42 ug/L	LCS	83.3	85-125	Low Bias				
BI00637-BSD1	Acrolein - 107-02-8	42 ug/L	LCS Dup	84.3	10-238		36.3	30	Non-dir.	
BI00637-BSD1	Bromoform - 75-25-2	37 ug/L	LCS Dup	73.2	80-136	Low Bias	12.1	30		

Batch ID: BI00638 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00638-BS1	Bromomethane - 74-83-9	3.6 ug/L	LCS	36.1	43-168	Low Bias				
BI00638-BSD1	Bromomethane - 74-83-9	3.9 ug/L	LCS Dup	39.2	43-168	Low Bias	8.23	30		

Batch ID: BI00641 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BI00641-BLK1	Surrogate: SURR: 1,2-Dichloroethane-d4	38.5 ug/L	Surrogate	77.0	77-125	Low Bias				
BI00641-BS1	Bromoform - 75-25-2	37 ug/L	LCS	74.7	80-136	Low Bias				
BI00641-BS1	Chloromethane - 74-87-3	69 ug/L	LCS	137	49-132	High Bias				
BI00641-BS1	Vinyl Chloride - 75-01-4	68 ug/L	LCS	137	52-130	High Bias				
BI00641-BSD1	Bromoform - 75-25-2	39 ug/L	LCS Dup	77.7	80-136	Low Bias	3.86	30		
BI00641-BSD1	Chloromethane - 74-87-3	71 ug/L	LCS Dup	142	49-132	High Bias	3.31	30		
BI00641-BSD1	tert-Butyl alcohol (TBA) - 75-65-0	330 ug/L	LCS Dup	132	70-130	High Bias	14.3	30		
BI00641-BSD1	Vinyl Chloride - 75-01-4	72 ug/L	LCS Dup	144	52-130	High Bias	5.34	30		

Batch ID: Y0H0722 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0H0722-SCV1	Acetone - 67-64-1	32.7 ug/L	Secondary Cal Check	65.4	70-130	Low Bias				

Batch ID: Y0H1032 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0H1032-SCV1	Acrolein - 107-02-8	24.0 ug/L	Secondary Cal Check	48.0	70-130	Low Bias				

Batch ID: Y0I1042 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I1042-CCV1	1,1-Dichloroethylene - 75-35-4	7.49 ug/L	Calibration Check	74.9	80-120	Low Bias				
Y0I1042-CCV1	Acrolein - 107-02-8	4.95 ug/L	Calibration Check	49.5	80-120	Low Bias				
Y0I1042-CCV1	Bromomethane - 74-83-9	3.99 ug/L	Calibration Check	39.9	80-120	Low Bias				
Y0I1042-CCV1	Carbon disulfide - 75-15-0	4.39 ug/L	Calibration Check	43.9	80-120	Low Bias				
Y0I1042-CCV1	Chloromethane - 74-87-3	7.70 ug/L	Calibration Check	77.0	80-120	Low Bias				
Y0I1042-CCV1	Methylcyclohexane - 108-87-2	7.93 ug/L	Calibration Check	79.3	80-120	Low Bias				
Y0I1042-CCV1	Methylene chloride - 75-09-2	7.93 ug/L	Calibration Check	79.3	80-120	Low Bias				
Y0I1042-CCV1	trans-1,2-Dichloroethylene - 156-60-5	7.58 ug/L	Calibration Check	75.8	80-120	Low Bias				

Batch ID: Y0I1045 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I1045-CCV1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) - 76-13-1	24.8 ug/L	Calibration Check	49.7	80-120	Low Bias				
Y0I1045-CCV1	1,1-Dichloroethylene - 75-35-4	39.4 ug/L	Calibration Check	78.9	80-120	Low Bias				
Y0I1045-CCV1	Acetone - 67-64-1	40.0 ug/L	Calibration Check	79.9	80-120	Low Bias				
Y0I1045-CCV1	Acrolein - 107-02-8	112 ug/L	Calibration Check	224	80-120	High Bias				
Y0I1045-CCV1	Bromomethane - 74-83-9	74.1 ug/L	Calibration Check	148	80-120	High Bias				
Y0I1045-CCV1	Carbon disulfide - 75-15-0	23.6 ug/L	Calibration Check	47.1	80-120	Low Bias				
Y0I1045-CCV1	Chloroethane - 75-00-3	66.6 ug/L	Calibration Check	133	80-120	High Bias				
Y0I1045-CCV1	Chloromethane - 74-87-3	65.4 ug/L	Calibration Check	131	80-120	High Bias				
Y0I1045-CCV1	Cyclohexane - 110-82-7	38.7 ug/L	Calibration Check	77.5	80-120	Low Bias				
Y0I1045-CCV1	Methylcyclohexane - 108-87-2	39.2 ug/L	Calibration Check	78.4	80-120	Low Bias				
Y0I1045-CCV1	trans-1,2-Dichloroethylene - 156-60-5	38.5 ug/L	Calibration Check	77.1	80-120	Low Bias				
Y0I1045-CCV1	Trichlorofluoromethane - 75-69-4	66.6 ug/L	Calibration Check	133	80-120	High Bias				
Y0I1045-CCV1	Vinyl Chloride - 75-01-4	75.0 ug/L	Calibration Check	150	80-120	High Bias				

Batch ID: Y0I1141 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I1141-CCV1	Acetone - 67-64-1	36.1 ug/L	Calibration Check	72.2	80-120	Low Bias				
Y0I1141-CCV1	Acrolein - 107-02-8	87.6 ug/L	Calibration Check	175	80-120	High Bias				
Y0I1141-CCV1	Chloromethane - 74-87-3	64.6 ug/L	Calibration Check	129	80-120	High Bias				
Y0I1141-CCV1	Dichlorodifluoromethane - 75-71-8	63.4 ug/L	Calibration Check	127	80-120	High Bias				
Y0I1141-CCV1	Vinyl Chloride - 75-01-4	66.1 ug/L	Calibration Check	132	80-120	High Bias				

Batch ID: Y0I1143 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I1143-CCV1	Bromomethane - 74-83-9	2.01 ug/L	Calibration Check	20.1	80-120	Low Bias				
Y0I1143-CCV1	Chloromethane - 74-87-3	7.84 ug/L	Calibration Check	78.4	80-120	Low Bias				

Batch ID: Y0I1145 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I1145-CCV1	2-Butanone - 78-93-3	60.5 ug/L	Calibration Check	121	80-120	High Bias				
Y0I1145-CCV1	Bromomethane - 74-83-9	71.7 ug/L	Calibration Check	143	80-120	High Bias				
Y0I1145-CCV1	Carbon disulfide - 75-15-0	65.0 ug/L	Calibration Check	130	80-120	High Bias				
Y0I1145-CCV1	Chloroethane - 75-00-3	82.2 ug/L	Calibration Check	164	80-120	High Bias				
Y0I1145-CCV1	Chloromethane - 74-87-3	74.9 ug/L	Calibration Check	150	80-120	High Bias				
Y0I1145-CCV1	Dichlorodifluoromethane - 75-71-8	88.2 ug/L	Calibration Check	176	80-120	High Bias				
Y0I1145-CCV1	Trichlorofluoromethane - 75-69-4	77.3 ug/L	Calibration Check	155	80-120	High Bias				
Y0I1145-CCV1	Vinyl Chloride - 75-01-4	80.2 ug/L	Calibration Check	160	80-120	High Bias				

Batch ID: Y0I1147 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0I1147-CCV1	1,1,1,2-Tetrachloroethane - 630-20-6	37.5 ug/L	Calibration Check	75.0	80-120	Low Bias				
Y0I1147-CCV1	1,2-Dichloroethane - 107-06-2	39.0 ug/L	Calibration Check	78.1	80-120	Low Bias				
Y0I1147-CCV1	Acetone - 67-64-1	32.7 ug/L	Calibration Check	65.4	80-120	Low Bias				
Y0I1147-CCV1	Acrolein - 107-02-8	80.8 ug/L	Calibration Check	162	80-120	High Bias				
Y0I1147-CCV1	Bromoform - 75-25-2	34.7 ug/L	Calibration Check	69.4	80-120	Low Bias				
Y0I1147-CCV1	Bromomethane - 74-83-9	37.2 ug/L	Calibration Check	74.3	80-120	Low Bias				
Y0I1147-CCV1	Carbon disulfide - 75-15-0	62.0 ug/L	Calibration Check	124	80-120	High Bias				
Y0I1147-CCV1	Chloroethane - 75-00-3	37.1 ug/L	Calibration Check	74.2	80-120	Low Bias				
Y0I1147-CCV1	Chloromethane - 74-87-3	62.6 ug/L	Calibration Check	125	80-120	High Bias				
Y0I1147-CCV1	Trichlorofluoromethane - 75-69-4	37.9 ug/L	Calibration Check	75.8	80-120	Low Bias				
Y0I1147-CCV1	Vinyl Chloride - 75-01-4	62.1 ug/L	Calibration Check	124	80-120	High Bias				

Batch ID: BI00428 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20I0216-06	TB-2
BI00428-BLK1	Blank
BI00428-BS1	LCS
BI00428-BSD1	LCS Dup

Batch ID: BI00456 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20I0216-01	GB-17 (4-5)
20I0216-03	GB-20 (4-6)
20I0216-04	GB-18 (2-4)
BI00456-BLK1	Blank
BI00456-BS1	LCS
BI00456-BSD1	LCS Dup

Batch ID: BI00602 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20I0216-01RE1	GB-17 (4-5)
BI00602-BLK1	Blank
BI00602-BLK2	Blank
BI00602-BS1	LCS
BI00602-BSD1	LCS Dup

Batch ID: BI00637 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20I0216-02	GB-19 (2-4)
BI00637-BLK1	Blank
BI00637-BS1	LCS
BI00637-BSD1	LCS Dup

Batch ID: BI00638 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20I0216-05	FB-3
BI00638-BLK1	Blank
BI00638-BS1	LCS
BI00638-BSD1	LCS Dup

Batch ID: BI00641 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20I0216-04RE1	GB-18 (2-4)
BI00641-BLK1	Blank
BI00641-BLK2	Blank
BI00641-BS1	LCS
BI00641-BSD1	LCS Dup

Laboratory: York Analytical Laboratories, Inc.
Client:
Project:
Lab Project No:
Laboratory Sample ID(s)
Sampling Date(s): 09/03/2020 - 09/03/2020
Review Date(s):
Laboratory Reviewer(s):

Sample Nonconformances

Volatile Organic Compounds by GC/MS

Sample ID	Analyte	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Comments
20I0216-04RE1 (GB-18 (2-4))	Surrogate: SURR: 1,2-Dichloroethane-d4	38.2 ug/L	Surrogate	76.4	77-125	Low Bias				The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. This effect was confirmed by reanalysis.

Notes: Other nonconformances, if any, are detailed in the Data Quality Assessment worksheets.

For multiple surrogate analyses such as semi-volatiles, volatiles, etc, single surrogate excursions do not necessarily indicate a bias in the sample. Samples with multiple surrogate excursions may exhibit a bias in the results.

Definitions:
LCS - Laboratory Control Sample
LCS dup - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
BS - Blank Spike also called LCS
BSD - Blank Spike Duplicate also called LCS dup
SRM - Standard Reference Material
DUP - Duplicate

QC DATA QUALIFIERS

LabID	Analysis	Analyte	Qualifier	Definition
BI00638-BSD1	Volatile Organics, 8260 - Comprehensive	Bromomethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BSD1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BSD1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BS1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BS1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BS1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,2-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00638-BSD1	Volatile Organics, 8260 - Comprehensive	Bromomethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00638-BS1	Volatile Organics, 8260 - Comprehensive	Bromomethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00638-BS1	Volatile Organics, 8260 - Comprehensive	Bromomethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00637-BSD1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00637-BSD1	Volatile Organics, 8260 - Comprehensive	Bromoform	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00637-BSD1	Volatile Organics, 8260 - Comprehensive	Acrolein	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.

LabID	Analysis	Analyte	Qualifier	Definition
BI00637-BSD1	Volatile Organics, 8260 - Comprehensive	Acrolein	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
BI00637-BS1	Volatile Organics, 8260 - Comprehensive	p-Isopropyltoluene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BS1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00428-BLK1	Volatile Organics, 8260 - Comprehensive	Acetone	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Methylcyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Methylcyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00641-BSD1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00641-BSD1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	1,1-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	1,1-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00641-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00641-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00637-BS1	Volatile Organics, 8260 - Comprehensive	n-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00456-BS1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

LabID	Analysis	Analyte	Qualifier	Definition
BI00637-BS1	Volatile Organics, 8260 - Comprehensive	p-Isopropyltoluene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BS1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BS1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00456-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00456-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00456-BSD1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00456-BSD1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BS1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

LabID	Analysis	Analyte	Qualifier	Definition
BI00456-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00456-BS1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00428-BSD1	Volatile Organics, 8260 - Comprehensive	Bromomethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00428-BSD1	Volatile Organics, 8260 - Comprehensive	Bromomethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00428-BSD1	Volatile Organics, 8260 - Comprehensive	Acetone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BI00428-BSD1	Volatile Organics, 8260 - Comprehensive	Acetone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BI00428-BS1	Volatile Organics, 8260 - Comprehensive	Acetone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BI00428-BS1	Volatile Organics, 8260 - Comprehensive	Acetone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BI00428-BLK1	Volatile Organics, 8260 - Comprehensive	Acetone	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.

LabID	Analysis	Analyte	Qualifier	Definition
BI00456-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,2-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BI00637-BS1	Volatile Organics, 8260 - Comprehensive	1,4-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00637-BS1	Volatile Organics, 8260 - Comprehensive	1,4-Dichlorobenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00637-BS1	Volatile Organics, 8260 - Comprehensive	1,2,4-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00637-BS1	Volatile Organics, 8260 - Comprehensive	1,2,4-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

LabID	Analysis	Analyte	Qualifier	Definition
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BS1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00637-BS1	Volatile Organics, 8260 - Comprehensive	n-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Chloromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

LabID	Analysis	Analyte	Qualifier	Definition
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Chloroethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BS1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BS1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BS1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BI00602-BSD1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	1,1,1,2-Tetrachloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	1,1,1,2-Tetrachloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1042-CCV1	Volatile Organics, 8260 - Comprehensive	Methylene chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	2-Butanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	2-Butanone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1145-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dichloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Bromoform	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Bromoform	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1143-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	1,1-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1143-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Cyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Cyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,2-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	1,1-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,2-Dichloroethylene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon disulfide	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1147-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1143-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1143-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Acetone	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Methylcyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Methylcyclohexane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1045-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0I1141-CCV1	Volatile Organics, 8260 - Comprehensive	Vinyl Chloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

Analytical Batch Summary

Batch ID: BI00260 **Preparation Method:** % Solids Prep **Prepared By:** WJM

YORK Sample ID	Client Sample ID	Preparation Date
20I0216-01	GB-17 (4-5)	09/04/20
20I0216-02	GB-19 (2-4)	09/04/20
20I0216-03	GB-20 (4-6)	09/04/20
20I0216-04	GB-18 (2-4)	09/04/20
BI00260-DUP1	Duplicate	09/04/20

Batch ID: BI00428 **Preparation Method:** EPA 5030B **Prepared By:** AS

YORK Sample ID	Client Sample ID	Preparation Date
20I0216-06	TB-2	09/08/20
BI00428-BLK1	Blank	09/08/20
BI00428-BS1	LCS	09/08/20
BI00428-BSD1	LCS Dup	09/08/20
BI00428-MS1	Matrix Spike	09/08/20
BI00428-MSD1	Matrix Spike Dup	09/08/20

Batch ID: BI00456 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0216-01	GB-17 (4-5)	09/08/20
20I0216-03	GB-20 (4-6)	09/08/20
20I0216-04	GB-18 (2-4)	09/08/20
BI00456-BLK1	Blank	09/08/20
BI00456-BS1	LCS	09/08/20
BI00456-BSD1	LCS Dup	09/08/20

Batch ID: BI00602 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0216-01RE1	GB-17 (4-5)	09/08/20
BI00602-BLK1	Blank	09/10/20
BI00602-BLK2	Blank	09/10/20
BI00602-BS1	LCS	09/10/20
BI00602-BSD1	LCS Dup	09/10/20

Batch ID: BI00637 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0216-02	GB-19 (2-4)	09/09/20
BI00637-BLK1	Blank	09/09/20
BI00637-BS1	LCS	09/09/20
BI00637-BSD1	LCS Dup	09/09/20

Batch ID: BI00638 **Preparation Method:** EPA 5030B **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0216-05	FB-3	09/11/20
BI00638-BLK1	Blank	09/11/20
BI00638-BS1	LCS	09/11/20
BI00638-BSD1	LCS Dup	09/11/20

Batch ID: BI00641 **Preparation Method:** EPA 5035A **Prepared By:** TMP

YORK Sample ID	Client Sample ID	Preparation Date
20I0216-04RE1	GB-18 (2-4)	09/08/20
BI00641-BLK1	Blank	09/11/20
BI00641-BLK2	Blank	09/11/20
BI00641-BS1	LCS	09/11/20
BI00641-BSD1	LCS Dup	09/11/20

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00428 - EPA 5030B											
Blank (BI00428-BLK1)											
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	1.0	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								

Prepared: 09/08/2020 Analyzed: 09/09/2020

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00428 - EPA 5030B											
Blank (BI00428-BLK1)											Prepared: 09/08/2020 Analyzed: 09/09/2020
Methylcyclohexane	ND	0.50	ug/L								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.9*		*"*	*10.0*		*109*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.82*		*"*	*10.0*		*98.2*	*79-122*				
LCS (BI00428-BS1)											Prepared & Analyzed: 09/08/2020
1,1,1,2-Tetrachloroethane	9.8		ug/L	10.0		98.4	82-126				
1,1,1-Trichloroethane	9.6		"	10.0		96.5	78-136				
1,1,2,2-Tetrachloroethane	8.8		"	10.0		88.5	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.2		"	10.0		92.1	54-165				
1,1,2-Trichloroethane	9.1		"	10.0		90.9	82-123				
1,1-Dichloroethane	8.7		"	10.0		87.4	82-129				
1,1-Dichloroethylene	9.1		"	10.0		90.9	68-138				
1,2,3-Trichlorobenzene	8.9		"	10.0		88.7	40-130				
1,2,3-Trichloropropane	9.4		"	10.0		93.5	77-128				
1,2,4-Trichlorobenzene	9.1		"	10.0		91.0	65-137				
1,2,4-Trimethylbenzene	9.8		"	10.0		98.3	82-132				
1,2-Dibromo-3-chloropropane	8.8		"	10.0		87.6	45-147				
1,2-Dibromoethane	9.2		"	10.0		91.5	83-124				
1,2-Dichlorobenzene	9.5		"	10.0		95.2	79-123				
1,2-Dichloroethane	9.0		"	10.0		89.8	73-132				
1,2-Dichloropropane	8.8		"	10.0		88.0	78-126				
1,3,5-Trimethylbenzene	9.9		"	10.0		99.1	80-131				
1,3-Dichlorobenzene	9.4		"	10.0		94.4	86-130				
1,4-Dichlorobenzene	9.5		"	10.0		95.2	85-130				
1,4-Dioxane	220		"	210		104	10-349				
2-Butanone	10		"	10.0		104	49-152				
2-Hexanone	8.9		"	10.0		88.6	51-146				
4-Methyl-2-pentanone	8.5		"	10.0		85.0	57-145				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00428 - EPA 5030B											
LCS (BI00428-BS1)								Prepared & Analyzed: 09/08/2020			
Acetone	9.2		ug/L	10.0		92.0	14-150				
Acrolein	5.5		"	10.0		54.8	10-153				
Acrylonitrile	7.7		"	10.0		77.0	51-150				
Benzene	9.1		"	10.0		90.8	85-126				
Bromochloromethane	8.3		"	10.0		83.0	77-128				
Bromodichloromethane	9.4		"	10.0		94.5	79-128				
Bromoform	8.8		"	10.0		88.0	78-133				
Bromomethane	4.5		"	10.0		45.0	43-168				
Carbon disulfide	8.6		"	10.0		86.0	68-146				
Carbon tetrachloride	9.7		"	10.0		96.7	77-141				
Chlorobenzene	9.5		"	10.0		95.3	88-120				
Chloroethane	10		"	10.0		104	65-136				
Chloroform	9.2		"	10.0		92.2	82-128				
Chloromethane	7.3		"	10.0		73.1	43-155				
cis-1,2-Dichloroethylene	9.1		"	10.0		90.8	83-129				
cis-1,3-Dichloropropylene	9.2		"	10.0		92.3	80-131				
Cyclohexane	9.1		"	10.0		91.4	63-149				
Dibromochloromethane	9.4		"	10.0		94.4	80-130				
Dibromomethane	8.9		"	10.0		88.9	72-134				
Dichlorodifluoromethane	7.6		"	10.0		75.8	44-144				
Ethyl Benzene	10		"	10.0		100	80-131				
Hexachlorobutadiene	9.7		"	10.0		96.6	67-146				
Isopropylbenzene	9.6		"	10.0		96.3	76-140				
Methyl acetate	8.0		"	10.0		79.9	51-139				
Methyl tert-butyl ether (MTBE)	9.0		"	10.0		89.8	76-135				
Methylcyclohexane	9.6		"	10.0		96.4	72-143				
Methylene chloride	8.3		"	10.0		83.0	55-137				
n-Butylbenzene	10		"	10.0		101	79-132				
n-Propylbenzene	9.6		"	10.0		96.4	78-133				
o-Xylene	9.8		"	10.0		98.5	78-130				
p- & m- Xylenes	20		"	20.0		99.6	77-133				
p-Isopropyltoluene	10		"	10.0		99.8	81-136				
sec-Butylbenzene	10		"	10.0		104	79-137				
Styrene	10		"	10.0		102	67-132				
tert-Butyl alcohol (TBA)	36		"	50.0		71.4	25-162				
tert-Butylbenzene	8.6		"	10.0		86.3	77-138				
Tetrachloroethylene	9.9		"	10.0		98.8	82-131				
Toluene	9.6		"	10.0		96.1	80-127				
trans-1,2-Dichloroethylene	9.1		"	10.0		90.6	80-132				
trans-1,3-Dichloropropylene	9.0		"	10.0		89.6	78-131				
trans-1,4-dichloro-2-butene	8.8		"	10.0		87.9	63-141				
Trichloroethylene	9.7		"	10.0		97.4	82-128				
Trichlorofluoromethane	9.7		"	10.0		97.0	67-139				
Vinyl Chloride	8.4		"	10.0		83.7	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.2*		*"*	*10.0*		*102*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.80*		*"*	*10.0*		*98.0*	*79-122*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00428 - EPA 5030B											
LCS Dup (BI00428-BSD1)							Prepared & Analyzed: 09/08/2020				
1,1,1,2-Tetrachloroethane	9.6		ug/L	10.0		96.5	82-126		1.95	30	
1,1,1-Trichloroethane	9.2		"	10.0		91.6	78-136		5.21	30	
1,1,2,2-Tetrachloroethane	9.2		"	10.0		91.7	76-129		3.55	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.7		"	10.0		86.8	54-165		5.93	30	
1,1,2-Trichloroethane	8.6		"	10.0		86.1	82-123		5.42	30	
1,1-Dichloroethane	8.4		"	10.0		83.6	82-129		4.44	30	
1,1-Dichloroethylene	8.5		"	10.0		85.2	68-138		6.47	30	
1,2,3-Trichlorobenzene	8.7		"	10.0		87.3	40-130		1.59	30	
1,2,3-Trichloropropane	9.5		"	10.0		95.3	77-128		1.91	30	
1,2,4-Trichlorobenzene	9.2		"	10.0		91.5	65-137		0.548	30	
1,2,4-Trimethylbenzene	10		"	10.0		99.9	82-132		1.61	30	
1,2-Dibromo-3-chloropropane	8.8		"	10.0		87.6	45-147		0.00	30	
1,2-Dibromoethane	8.8		"	10.0		88.1	83-124		3.79	30	
1,2-Dichlorobenzene	9.7		"	10.0		97.3	79-123		2.18	30	
1,2-Dichloroethane	8.8		"	10.0		88.4	73-132		1.57	30	
1,2-Dichloropropane	8.6		"	10.0		85.6	78-126		2.76	30	
1,3,5-Trimethylbenzene	9.8		"	10.0		98.2	80-131		0.912	30	
1,3-Dichlorobenzene	9.5		"	10.0		94.8	86-130		0.423	30	
1,4-Dichlorobenzene	9.5		"	10.0		95.0	85-130		0.210	30	
1,4-Dioxane	200		"	210		96.7	10-349		6.84	30	
2-Butanone	9.9		"	10.0		98.6	49-152		5.14	30	
2-Hexanone	9.1		"	10.0		90.6	51-146		2.23	30	
4-Methyl-2-pentanone	8.7		"	10.0		87.3	57-145		2.67	30	
Acetone	9.3		"	10.0		93.0	14-150		1.08	30	
Acrolein	5.4		"	10.0		54.0	10-153		1.47	30	
Acrylonitrile	7.3		"	10.0		73.4	51-150		4.79	30	
Benzene	8.5		"	10.0		85.2	85-126		6.36	30	
Bromochloromethane	8.0		"	10.0		80.3	77-128		3.31	30	
Bromodichloromethane	9.1		"	10.0		90.8	79-128		3.99	30	
Bromoform	8.7		"	10.0		87.2	78-133		0.913	30	
Bromomethane	4.2		"	10.0		42.4	43-168	Low Bias	5.95	30	
Carbon disulfide	8.1		"	10.0		80.6	68-146		6.48	30	
Carbon tetrachloride	9.2		"	10.0		92.3	77-141		4.66	30	
Chlorobenzene	9.2		"	10.0		92.0	88-120		3.52	30	
Chloroethane	9.6		"	10.0		96.3	65-136		7.40	30	
Chloroform	8.8		"	10.0		87.9	82-128		4.78	30	
Chloromethane	6.9		"	10.0		69.0	43-155		5.77	30	
cis-1,2-Dichloroethylene	8.6		"	10.0		86.3	83-129		5.08	30	
cis-1,3-Dichloropropylene	8.9		"	10.0		88.9	80-131		3.75	30	
Cyclohexane	8.7		"	10.0		86.9	63-149		5.05	30	
Dibromochloromethane	9.1		"	10.0		91.3	80-130		3.34	30	
Dibromomethane	8.6		"	10.0		86.3	72-134		2.97	30	
Dichlorodifluoromethane	7.1		"	10.0		71.0	44-144		6.54	30	
Ethyl Benzene	9.6		"	10.0		96.4	80-131		4.07	30	
Hexachlorobutadiene	9.4		"	10.0		94.2	67-146		2.52	30	
Isopropylbenzene	9.4		"	10.0		94.2	76-140		2.20	30	
Methyl acetate	7.7		"	10.0		76.9	51-139		3.83	30	
Methyl tert-butyl ether (MTBE)	8.6		"	10.0		86.4	76-135		3.86	30	
Methylcyclohexane	8.8		"	10.0		87.8	72-143		9.34	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00428 - EPA 5030B											
LCS Dup (BI00428-BSD1)								Prepared & Analyzed: 09/08/2020			
Methylene chloride	7.9		ug/L	10.0		78.9	55-137		5.06	30	
n-Butylbenzene	9.5		"	10.0		95.4	79-132		5.80	30	
n-Propylbenzene	9.6		"	10.0		95.6	78-133		0.833	30	
o-Xylene	9.4		"	10.0		94.5	78-130		4.15	30	
p- & m- Xylenes	19		"	20.0		96.0	77-133		3.68	30	
p-Isopropyltoluene	9.8		"	10.0		98.5	81-136		1.31	30	
sec-Butylbenzene	10		"	10.0		103	79-137		1.45	30	
Styrene	9.7		"	10.0		97.3	67-132		4.72	30	
tert-Butyl alcohol (TBA)	35		"	50.0		70.3	25-162		1.55	30	
tert-Butylbenzene	8.6		"	10.0		86.4	77-138		0.116	30	
Tetrachloroethylene	9.4		"	10.0		94.5	82-131		4.45	30	
Toluene	9.2		"	10.0		92.0	80-127		4.36	30	
trans-1,2-Dichloroethylene	8.8		"	10.0		87.9	80-132		3.03	30	
trans-1,3-Dichloropropylene	8.6		"	10.0		85.8	78-131		4.33	30	
trans-1,4-dichloro-2-butene	9.0		"	10.0		90.4	63-141		2.80	30	
Trichloroethylene	9.1		"	10.0		91.2	82-128		6.57	30	
Trichlorofluoromethane	9.3		"	10.0		93.3	67-139		3.89	30	
Vinyl Chloride	7.9		"	10.0		78.7	58-145		6.16	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Matrix Spike (BI00428-MS1)	*Source sample: 20I0209-05 (Matrix Spike)							Prepared: 09/08/2020 Analyzed: 09/09/2020			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0	0.0	109	45-161				
1,1,1-Trichloroethane	11		"	10.0	0.0	112	70-146				
1,1,2,2-Tetrachloroethane	9.8		"	10.0	0.0	97.5	74-121				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.3		"	10.0	0.0	93.0	21-217				
1,1,2-Trichloroethane	10		"	10.0	0.0	100	59-146				
1,1-Dichloroethane	9.7		"	10.0	0.0	97.4	54-146				
1,1-Dichloroethylene	10		"	10.0	0.0	100	44-165				
1,2,3-Trichlorobenzene	8.1		"	10.0	0.0	80.7	40-161				
1,2,3-Trichloropropane	11		"	10.0	0.0	111	74-127				
1,2,4-Trichlorobenzene	8.2		"	10.0	0.0	82.2	41-161				
1,2,4-Trimethylbenzene	10		"	10.0	0.0	101	72-129				
1,2-Dibromo-3-chloropropane	9.1		"	10.0	0.0	91.3	31-151				
1,2-Dibromoethane	10		"	10.0	0.0	100	75-125				
1,2-Dichlorobenzene	9.9		"	10.0	0.0	98.7	63-122				
1,2-Dichloroethane	11		"	10.0	0.0	106	68-131				
1,2-Dichloropropane	9.8		"	10.0	0.0	98.5	77-121				
1,3,5-Trimethylbenzene	10		"	10.0	0.0	101	69-126				
1,3-Dichlorobenzene	9.5		"	10.0	0.0	95.3	74-119				
1,4-Dichlorobenzene	9.7		"	10.0	0.0	96.8	70-124				
1,4-Dioxane	220		"	210	0.0	105	10-310				
2-Butanone	11		"	10.0	0.0	111	10-193				
2-Hexanone	10		"	10.0	0.0	102	53-133				
4-Methyl-2-pentanone	9.5		"	10.0	0.0	95.4	38-150				
Acetone	9.6		"	10.0	0.0	96.4	13-149				
Acrolein	6.7		"	10.0	0.0	66.8	10-195				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00428 - EPA 5030B											
Matrix Spike (BI00428-MS1)	*Source sample: 20I0209-05 (Matrix Spike)							Prepared: 09/08/2020 Analyzed: 09/09/2020			
Acrylonitrile	8.6		ug/L	10.0	0.0	86.1	37-165				
Benzene	9.9		"	10.0	0.0	98.7	38-155				
Bromochloromethane	9.5		"	10.0	0.0	94.8	75-121				
Bromodichloromethane	11		"	10.0	0.0	107	70-129				
Bromoform	9.6		"	10.0	0.0	96.4	66-136				
Bromomethane	3.8		"	10.0	0.0	37.6	30-158				
Carbon disulfide	8.9		"	10.0	0.0	89.4	10-138				
Carbon tetrachloride	11		"	10.0	0.0	113	71-146				
Chlorobenzene	10		"	10.0	0.0	103	81-117				
Chloroethane	11		"	10.0	0.0	106	51-145				
Chloroform	10		"	10.0	0.0	104	80-124				
Chloromethane	7.9		"	10.0	0.0	78.9	16-163				
cis-1,2-Dichloroethylene	10		"	10.0	0.0	99.9	76-125				
cis-1,3-Dichloropropylene	9.9		"	10.0	0.0	99.2	58-131				
Cyclohexane	9.6		"	10.0	0.0	96.1	70-130				
Dibromochloromethane	10		"	10.0	0.0	104	71-129				
Dibromomethane	9.9		"	10.0	0.0	98.7	76-120				
Dichlorodifluoromethane	7.8		"	10.0	0.0	78.1	30-147				
Ethyl Benzene	11		"	10.0	0.0	107	72-128				
Hexachlorobutadiene	8.3		"	10.0	0.0	82.8	34-166				
Isopropylbenzene	10		"	10.0	0.0	100	66-139				
Methyl acetate	8.1		"	10.0	0.0	80.8	10-200				
Methyl tert-butyl ether (MTBE)	9.8		"	10.0	0.0	97.8	75-128				
Methylcyclohexane	8.8		"	10.0	0.0	88.1	70-130				
Methylene chloride	9.7		"	10.0	0.0	96.6	57-128				
n-Butylbenzene	8.8		"	10.0	0.0	88.3	61-138				
n-Propylbenzene	9.6		"	10.0	0.0	96.1	66-134				
o-Xylene	11		"	10.0	0.0	106	69-126				
p- & m- Xylenes	21		"	20.0	0.0	105	67-130				
p-Isopropyltoluene	9.6		"	10.0	0.0	95.6	64-137				
sec-Butylbenzene	10		"	10.0	0.0	102	53-155				
Styrene	11		"	10.0	0.0	108	69-125				
tert-Butyl alcohol (TBA)	37		"	50.0	0.0	74.6	10-130				
tert-Butylbenzene	9.1		"	10.0	0.0	90.7	65-139				
Tetrachloroethylene	9.8		"	10.0	0.0	98.4	64-139				
Toluene	10		"	10.0	0.0	103	76-123				
trans-1,2-Dichloroethylene	10		"	10.0	0.0	100	79-131				
trans-1,3-Dichloropropylene	9.6		"	10.0	0.0	96.2	55-130				
trans-1,4-dichloro-2-butene	9.8		"	10.0	0.0	97.9	25-155				
Trichloroethylene	10		"	10.0	0.0	103	53-145				
Trichlorofluoromethane	11		"	10.0	0.0	113	61-142				
Vinyl Chloride	9.0		"	10.0	0.0	89.8	31-165				
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.0*		*"*	*10.0*		*100*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00428 - EPA 5030B											
Matrix Spike Dup (BI00428-MSD1)	*Source sample: 20I0209-05 (Matrix Spike Dup)								Prepared: 09/08/2020 Analyzed: 09/09/2020		
1,1,1,2-Tetrachloroethane	11		ug/L	10.0	0.0	111	45-161		1.09	30	
1,1,1-Trichloroethane	11		"	10.0	0.0	115	70-146		2.11	30	
1,1,2,2-Tetrachloroethane	9.9		"	10.0	0.0	98.7	74-121		1.22	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	9.9		"	10.0	0.0	98.6	21-217		5.85	30	
1,1,2-Trichloroethane	10		"	10.0	0.0	101	59-146		0.995	30	
1,1-Dichloroethane	9.8		"	10.0	0.0	98.1	54-146		0.716	30	
1,1-Dichloroethylene	10		"	10.0	0.0	105	44-165		4.39	30	
1,2,3-Trichlorobenzene	8.8		"	10.0	0.0	88.0	40-161		8.65	30	
1,2,3-Trichloropropane	12		"	10.0	0.0	115	74-127		4.07	30	
1,2,4-Trichlorobenzene	9.2		"	10.0	0.0	91.5	41-161		10.7	30	
1,2,4-Trimethylbenzene	11		"	10.0	0.0	108	72-129		6.53	30	
1,2-Dibromo-3-chloropropane	9.0		"	10.0	0.0	90.3	31-151		1.10	30	
1,2-Dibromoethane	10		"	10.0	0.0	101	75-125		1.09	30	
1,2-Dichlorobenzene	11		"	10.0	0.0	107	63-122		7.88	30	
1,2-Dichloroethane	11		"	10.0	0.0	109	68-131		2.97	30	
1,2-Dichloropropane	9.9		"	10.0	0.0	99.3	77-121		0.809	30	
1,3,5-Trimethylbenzene	11		"	10.0	0.0	109	69-126		7.79	30	
1,3-Dichlorobenzene	10		"	10.0	0.0	101	74-119		5.51	30	
1,4-Dichlorobenzene	10		"	10.0	0.0	102	70-124		5.52	30	
1,4-Dioxane	220		"	210	0.0	106	10-310		0.442	30	
2-Butanone	10		"	10.0	0.0	101	10-193		10.0	30	
2-Hexanone	10		"	10.0	0.0	102	53-133		0.490	30	
4-Methyl-2-pentanone	10		"	10.0	0.0	101	38-150		5.31	30	
Acetone	11		"	10.0	0.0	106	13-149		9.96	30	
Acrolein	6.7		"	10.0	0.0	67.1	10-195		0.448	30	
Acrylonitrile	8.4		"	10.0	0.0	83.9	37-165		2.59	30	
Benzene	10		"	10.0	0.0	99.8	38-155		1.11	30	
Bromochloromethane	9.4		"	10.0	0.0	94.0	75-121		0.847	30	
Bromodichloromethane	11		"	10.0	0.0	109	70-129		1.95	30	
Bromoform	10		"	10.0	0.0	99.8	66-136		3.47	30	
Bromomethane	4.6		"	10.0	0.0	46.0	30-158		20.1	30	
Carbon disulfide	9.2		"	10.0	0.0	92.3	10-138		3.19	30	
Carbon tetrachloride	12		"	10.0	0.0	116	71-146		2.71	30	
Chlorobenzene	11		"	10.0	0.0	106	81-117		2.20	30	
Chloroethane	11		"	10.0	0.0	111	51-145		4.87	30	
Chloroform	11		"	10.0	0.0	106	80-124		1.62	30	
Chloromethane	8.0		"	10.0	0.0	80.0	16-163		1.38	30	
cis-1,2-Dichloroethylene	10		"	10.0	0.0	102	76-125		1.98	30	
cis-1,3-Dichloropropylene	10		"	10.0	0.0	99.8	58-131		0.603	30	
Cyclohexane	10		"	10.0	0.0	104	70-130		7.61	30	
Dibromochloromethane	11		"	10.0	0.0	108	71-129		3.96	30	
Dibromomethane	10		"	10.0	0.0	99.9	76-120		1.21	30	
Dichlorodifluoromethane	8.5		"	10.0	0.0	84.8	30-147		8.23	30	
Ethyl Benzene	11		"	10.0	0.0	111	72-128		3.76	30	
Hexachlorobutadiene	9.2		"	10.0	0.0	92.3	34-166		10.9	30	
Isopropylbenzene	11		"	10.0	0.0	108	66-139		7.56	30	
Methyl acetate	8.3		"	10.0	0.0	83.0	10-200		2.69	30	
Methyl tert-butyl ether (MTBE)	9.8		"	10.0	0.0	98.3	75-128		0.510	30	
Methylcyclohexane	9.9		"	10.0	0.0	99.0	70-130		11.7	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

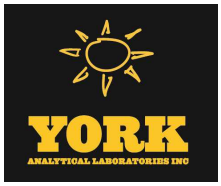
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00428 - EPA 5030B											
Matrix Spike Dup (BI00428-MSD1)	*Source sample: 20I0209-05 (Matrix Spike Dup)								Prepared: 09/08/2020 Analyzed: 09/09/2020		
Methylene chloride	9.8		ug/L	10.0	0.0	98.5	57-128		1.95	30	
n-Butylbenzene	9.5		"	10.0	0.0	94.9	61-138		7.21	30	
n-Propylbenzene	11		"	10.0	0.0	105	66-134		8.95	30	
o-Xylene	11		"	10.0	0.0	108	69-126		1.96	30	
p- & m- Xylenes	22		"	20.0	0.0	111	67-130		4.77	30	
p-Isopropyltoluene	10		"	10.0	0.0	105	64-137		9.18	30	
sec-Butylbenzene	11		"	10.0	0.0	111	53-155		8.06	30	
Styrene	11		"	10.0	0.0	110	69-125		1.75	30	
tert-Butyl alcohol (TBA)	39		"	50.0	0.0	77.4	10-130		3.74	30	
tert-Butylbenzene	9.6		"	10.0	0.0	95.6	65-139		5.26	30	
Tetrachloroethylene	11		"	10.0	0.0	109	64-139		10.2	30	
Toluene	11		"	10.0	0.0	108	76-123		4.08	30	
trans-1,2-Dichloroethylene	10		"	10.0	0.0	105	79-131		4.39	30	
trans-1,3-Dichloropropylene	9.9		"	10.0	0.0	99.0	55-130		2.87	30	
trans-1,4-dichloro-2-butene	10		"	10.0	0.0	100	25-155		2.62	30	
Trichloroethylene	11		"	10.0	0.0	108	53-145		4.45	30	
Trichlorofluoromethane	12		"	10.0	0.0	117	61-142		3.82	30	
Vinyl Chloride	9.2		"	10.0	0.0	91.8	31-165		2.20	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.0*		*"*	*10.0*		*110*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.2*		*"*	*10.0*		*102*	*79-122*				
Batch BI00456 - EPA 5035A											
Blank (BI00456-BLK1)									Prepared & Analyzed: 09/08/2020		
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00456 - EPA 5035A											
Blank (BI00456-BLK1)											
Prepared & Analyzed: 09/08/2020											
Acetone	ND	10	ug/kg wet								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*51.0*		*ug/L*	*50.0*		*102*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00456 - EPA 5035A											
Blank (BI00456-BLK1)								Prepared & Analyzed: 09/08/2020			
Surrogate: SURR: p-Bromofluorobenzene	*52.2*		*ug/L*	*50.0*		*104*	*76-130*				
LCS (BI00456-BS1)								Prepared & Analyzed: 09/08/2020			
1,1,1,2-Tetrachloroethane	39		ug/L	50.0		78.3	75-129				
1,1,1-Trichloroethane	49		"	50.0		98.2	71-137				
1,1,2,2-Tetrachloroethane	51		"	50.0		101	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		105	58-146				
1,1,2-Trichloroethane	48		"	50.0		96.9	83-123				
1,1-Dichloroethane	46		"	50.0		92.8	75-130				
1,1-Dichloroethylene	48		"	50.0		96.3	64-137				
1,2,3-Trichlorobenzene	52		"	50.0		104	81-140				
1,2,3-Trichloropropane	49		"	50.0		97.9	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		99.8	80-141				
1,2,4-Trimethylbenzene	45		"	50.0		90.5	84-125				
1,2-Dibromo-3-chloropropane	54		"	50.0		107	74-142				
1,2-Dibromoethane	49		"	50.0		97.1	86-123				
1,2-Dichlorobenzene	48		"	50.0		95.9	85-122				
1,2-Dichloroethane	48		"	50.0		95.6	71-133				
1,2-Dichloropropane	45		"	50.0		89.7	81-122				
1,3,5-Trimethylbenzene	47		"	50.0		93.1	82-126				
1,3-Dichlorobenzene	48		"	50.0		95.0	84-124				
1,4-Dichlorobenzene	47		"	50.0		94.3	84-124				
1,4-Dioxane	1200		"	1050		111	10-228				
2-Butanone	57		"	50.0		114	58-147				
2-Hexanone	54		"	50.0		107	70-139				
4-Methyl-2-pentanone	54		"	50.0		108	72-132				
Acetone	38		"	50.0		76.4	36-155				
Acrolein	72		"	50.0		145	10-238				
Acrylonitrile	53		"	50.0		106	66-141				
Benzene	48		"	50.0		96.9	77-127				
Bromochloromethane	48		"	50.0		96.9	74-129				
Bromodichloromethane	49		"	50.0		98.3	81-124				
Bromoform	42		"	50.0		84.4	80-136				
Bromomethane	76		"	50.0		152	32-177				
Carbon disulfide	48		"	50.0		95.3	10-136				
Carbon tetrachloride	53		"	50.0		107	66-143				
Chlorobenzene	47		"	50.0		94.7	86-120				
Chloroethane	76		"	50.0		152	51-142	High Bias			
Chloroform	48		"	50.0		97.0	76-131				
Chloromethane	61		"	50.0		122	49-132				
cis-1,2-Dichloroethylene	47		"	50.0		94.5	74-132				
cis-1,3-Dichloropropylene	48		"	50.0		95.6	81-129				
Cyclohexane	47		"	50.0		93.7	70-130				
Dibromochloromethane	54		"	50.0		108	10-200				
Dibromomethane	48		"	50.0		96.6	83-124				
Dichlorodifluoromethane	53		"	50.0		106	28-158				
Ethyl Benzene	47		"	50.0		93.5	84-125				
Hexachlorobutadiene	50		"	50.0		100	83-133				
Isopropylbenzene	46		"	50.0		91.3	81-127				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00456 - EPA 5035A											
LCS (BI00456-BS1)								Prepared & Analyzed: 09/08/2020			
Methyl acetate	44		ug/L	50.0		87.9	41-143				
Methyl tert-butyl ether (MTBE)	48		"	50.0		96.2	74-131				
Methylcyclohexane	46		"	50.0		92.3	70-130				
Methylene chloride	51		"	50.0		101	57-141				
n-Butylbenzene	47		"	50.0		94.7	80-130				
n-Propylbenzene	46		"	50.0		92.8	74-136				
o-Xylene	46		"	50.0		91.7	83-123				
p- & m- Xylenes	95		"	100		95.1	82-128				
p-Isopropyltoluene	48		"	50.0		95.4	85-125				
sec-Butylbenzene	50		"	50.0		99.4	83-125				
Styrene	48		"	50.0		95.1	86-126				
tert-Butyl alcohol (TBA)	250		"	250		101	70-130				
tert-Butylbenzene	46		"	50.0		91.4	80-127				
Tetrachloroethylene	44		"	50.0		88.2	80-129				
Toluene	47		"	50.0		94.0	85-121				
trans-1,2-Dichloroethylene	48		"	50.0		96.0	72-132				
trans-1,3-Dichloropropylene	47		"	50.0		94.1	78-132				
trans-1,4-dichloro-2-butene	51		"	50.0		103	75-135				
Trichloroethylene	48		"	50.0		95.9	84-123				
Trichlorofluoromethane	60		"	50.0		121	62-140				
Vinyl Chloride	68		"	50.0		137	52-130	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.6*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.8*		*"*	*50.0*		*99.6*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*48.7*		*"*	*50.0*		*97.4*	*76-130*				
LCS Dup (BI00456-BSD1)								Prepared & Analyzed: 09/08/2020			
1,1,1,2-Tetrachloroethane	41		ug/L	50.0		82.5	75-129		5.22	30	
1,1,1-Trichloroethane	52		"	50.0		104	71-137		5.87	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		109	79-129		6.98	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	54		"	50.0		109	58-146		3.49	30	
1,1,2-Trichloroethane	50		"	50.0		100	83-123		3.55	30	
1,1-Dichloroethane	48		"	50.0		96.2	75-130		3.64	30	
1,1-Dichloroethylene	51		"	50.0		102	64-137		6.08	30	
1,2,3-Trichlorobenzene	55		"	50.0		111	81-140		6.49	30	
1,2,3-Trichloropropane	53		"	50.0		105	81-126		7.15	30	
1,2,4-Trichlorobenzene	55		"	50.0		109	80-141		9.07	30	
1,2,4-Trimethylbenzene	49		"	50.0		97.6	84-125		7.57	30	
1,2-Dibromo-3-chloropropane	57		"	50.0		114	74-142		6.31	30	
1,2-Dibromoethane	51		"	50.0		102	86-123		4.88	30	
1,2-Dichlorobenzene	51		"	50.0		102	85-122		6.01	30	
1,2-Dichloroethane	50		"	50.0		101	71-133		5.34	30	
1,2-Dichloropropane	48		"	50.0		95.2	81-122		5.95	30	
1,3,5-Trimethylbenzene	51		"	50.0		102	82-126		8.63	30	
1,3-Dichlorobenzene	51		"	50.0		103	84-124		7.93	30	
1,4-Dichlorobenzene	50		"	50.0		101	84-124		6.86	30	
1,4-Dioxane	1200		"	1050		113	10-228		1.59	30	
2-Butanone	60		"	50.0		120	58-147		4.34	30	
2-Hexanone	57		"	50.0		113	70-139		5.44	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00456 - EPA 5035A											
LCS Dup (BI00456-BSD1)								Prepared & Analyzed: 09/08/2020			
4-Methyl-2-pentanone	57		ug/L	50.0		113	72-132		4.71	30	
Acetone	38		"	50.0		76.7	36-155		0.444	30	
Acrolein	81		"	50.0		161	10-238		10.9	30	
Acrylonitrile	55		"	50.0		110	66-141		3.18	30	
Benzene	51		"	50.0		102	77-127		5.23	30	
Bromochloromethane	49		"	50.0		98.7	74-129		1.82	30	
Bromodichloromethane	52		"	50.0		105	81-124		6.40	30	
Bromoform	45		"	50.0		90.0	80-136		6.51	30	
Bromomethane	76		"	50.0		152	32-177		0.342	30	
Carbon disulfide	50		"	50.0		100	10-136		4.83	30	
Carbon tetrachloride	56		"	50.0		112	66-143		4.80	30	
Chlorobenzene	51		"	50.0		101	86-120		6.70	30	
Chloroethane	76		"	50.0		151	51-142	High Bias	0.106	30	
Chloroform	51		"	50.0		101	76-131		4.52	30	
Chloromethane	64		"	50.0		127	49-132		4.03	30	
cis-1,2-Dichloroethylene	49		"	50.0		97.3	74-132		2.94	30	
cis-1,3-Dichloropropylene	51		"	50.0		101	81-129		5.59	30	
Cyclohexane	49		"	50.0		98.9	70-130		5.34	30	
Dibromochloromethane	56		"	50.0		113	10-200		3.86	30	
Dibromomethane	50		"	50.0		100	83-124		3.74	30	
Dichlorodifluoromethane	56		"	50.0		112	28-158		5.45	30	
Ethyl Benzene	50		"	50.0		101	84-125		7.19	30	
Hexachlorobutadiene	54		"	50.0		108	83-133		7.66	30	
Isopropylbenzene	50		"	50.0		99.3	81-127		8.38	30	
Methyl acetate	45		"	50.0		90.8	41-143		3.24	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		101	74-131		5.10	30	
Methylcyclohexane	49		"	50.0		98.5	70-130		6.50	30	
Methylene chloride	52		"	50.0		104	57-141		3.10	30	
n-Butylbenzene	53		"	50.0		107	80-130		11.9	30	
n-Propylbenzene	50		"	50.0		100	74-136		7.99	30	
o-Xylene	49		"	50.0		98.4	83-123		7.09	30	
p- & m- Xylenes	100		"	100		101	82-128		5.71	30	
p-Isopropyltoluene	52		"	50.0		103	85-125		7.95	30	
sec-Butylbenzene	54		"	50.0		107	83-125		7.63	30	
Styrene	51		"	50.0		102	86-126		6.96	30	
tert-Butyl alcohol (TBA)	270		"	250		106	70-130		5.27	30	
tert-Butylbenzene	50		"	50.0		99.9	80-127		8.80	30	
Tetrachloroethylene	47		"	50.0		93.9	80-129		6.30	30	
Toluene	50		"	50.0		100	85-121		6.24	30	
trans-1,2-Dichloroethylene	50		"	50.0		100	72-132		4.46	30	
trans-1,3-Dichloropropylene	50		"	50.0		100	78-132		6.32	30	
trans-1,4-dichloro-2-butene	55		"	50.0		110	75-135		6.84	30	
Trichloroethylene	52		"	50.0		103	84-123		7.54	30	
Trichlorofluoromethane	63		"	50.0		125	62-140		3.72	30	
Vinyl Chloride	74		"	50.0		147	52-130	High Bias	7.15	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*50.3*		*"*	*50.0*		*101*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

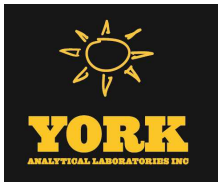
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00456 - EPA 5035A											
LCS Dup (BI00456-BSD1)								Prepared & Analyzed: 09/08/2020			
Surrogate: SURR: p-Bromofluorobenzene	*49.5*		*ug/L*	*50.0*		*99.1*	*76-130*				
Batch BI00602 - EPA 5035A											
Blank (BI00602-BLK1)								Prepared: 09/10/2020 Analyzed: 09/11/2020			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00602 - EPA 5035A											
Blank (BI00602-BLK1)											
Prepared: 09/10/2020 Analyzed: 09/11/2020											
Hexachlorobutadiene	ND	5.0	ug/kg wet								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.3*		*ug/L*	*50.0*		*98.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.5*		*"*	*50.0*		*95.0*	*76-130*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00602 - EPA 5035A											
Blank (BI00602-BLK2)											
Prepared: 09/10/2020 Analyzed: 09/11/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00602 - EPA 5035A											
Blank (BI00602-BLK2)											
Prepared: 09/10/2020 Analyzed: 09/11/2020											
Methylene chloride	ND	10	ug/kg wet								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*49.2*		*ug/L*	*50.0*		*98.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.8*		*"*	*50.0*		*93.7*	*76-130*				
LCS (BI00602-BS1)											
Prepared: 09/10/2020 Analyzed: 09/11/2020											
1,1,1,2-Tetrachloroethane	47		ug/L	50.0		93.5	75-129				
1,1,1-Trichloroethane	45		"	50.0		90.6	71-137				
1,1,2,2-Tetrachloroethane	49		"	50.0		98.7	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	52		"	50.0		104	58-146				
1,1,2-Trichloroethane	48		"	50.0		96.5	83-123				
1,1-Dichloroethane	46		"	50.0		92.1	75-130				
1,1-Dichloroethylene	51		"	50.0		102	64-137				
1,2,3-Trichlorobenzene	47		"	50.0		94.6	81-140				
1,2,3-Trichloropropane	47		"	50.0		93.9	81-126				
1,2,4-Trichlorobenzene	46		"	50.0		91.6	80-141				
1,2,4-Trimethylbenzene	48		"	50.0		95.1	84-125				
1,2-Dibromo-3-chloropropane	45		"	50.0		89.7	74-142				
1,2-Dibromoethane	47		"	50.0		95.0	86-123				
1,2-Dichlorobenzene	47		"	50.0		94.0	85-122				
1,2-Dichloroethane	45		"	50.0		89.5	71-133				
1,2-Dichloropropane	47		"	50.0		93.6	81-122				
1,3,5-Trimethylbenzene	47		"	50.0		94.9	82-126				
1,3-Dichlorobenzene	46		"	50.0		92.3	84-124				
1,4-Dichlorobenzene	46		"	50.0		92.3	84-124				
1,4-Dioxane	1000		"	1050		99.2	10-228				
2-Butanone	50		"	50.0		99.9	58-147				
2-Hexanone	48		"	50.0		95.3	70-139				
4-Methyl-2-pentanone	48		"	50.0		96.4	72-132				
Acetone	40		"	50.0		79.6	36-155				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00602 - EPA 5035A											
LCS (BI00602-BS1)								Prepared: 09/10/2020 Analyzed: 09/11/2020			
Acrolein	23		ug/L	50.0		46.7	10-238				
Acrylonitrile	49		"	50.0		97.3	66-141				
Benzene	50		"	50.0		99.3	77-127				
Bromochloromethane	47		"	50.0		94.9	74-129				
Bromodichloromethane	46		"	50.0		92.7	81-124				
Bromoform	48		"	50.0		96.2	80-136				
Bromomethane	68		"	50.0		135	32-177				
Carbon disulfide	53		"	50.0		106	10-136				
Carbon tetrachloride	46		"	50.0		92.1	66-143				
Chlorobenzene	48		"	50.0		95.3	86-120				
Chloroethane	89		"	50.0		177	51-142	High Bias			
Chloroform	46		"	50.0		91.9	76-131				
Chloromethane	69		"	50.0		139	49-132	High Bias			
cis-1,2-Dichloroethylene	47		"	50.0		94.4	74-132				
cis-1,3-Dichloropropylene	46		"	50.0		91.4	81-129				
Cyclohexane	51		"	50.0		102	70-130				
Dibromochloromethane	49		"	50.0		97.1	10-200				
Dibromomethane	46		"	50.0		91.1	83-124				
Dichlorodifluoromethane	96		"	50.0		193	28-158	High Bias			
Ethyl Benzene	48		"	50.0		96.4	84-125				
Hexachlorobutadiene	47		"	50.0		93.2	83-133				
Isopropylbenzene	46		"	50.0		92.6	81-127				
Methyl acetate	45		"	50.0		90.8	41-143				
Methyl tert-butyl ether (MTBE)	47		"	50.0		93.9	74-131				
Methylcyclohexane	51		"	50.0		102	70-130				
Methylene chloride	50		"	50.0		101	57-141				
n-Butylbenzene	47		"	50.0		94.8	80-130				
n-Propylbenzene	47		"	50.0		94.3	74-136				
o-Xylene	47		"	50.0		94.0	83-123				
p- & m- Xylenes	95		"	100		95.0	82-128				
p-Isopropyltoluene	48		"	50.0		95.0	85-125				
sec-Butylbenzene	50		"	50.0		99.7	83-125				
Styrene	49		"	50.0		98.7	86-126				
tert-Butyl alcohol (TBA)	190		"	250		76.1	70-130				
tert-Butylbenzene	42		"	50.0		83.4	80-127				
Tetrachloroethylene	41		"	50.0		82.5	80-129				
Toluene	48		"	50.0		96.2	85-121				
trans-1,2-Dichloroethylene	50		"	50.0		99.7	72-132				
trans-1,3-Dichloropropylene	44		"	50.0		87.4	78-132				
trans-1,4-dichloro-2-butene	46		"	50.0		92.8	75-135				
Trichloroethylene	47		"	50.0		93.2	84-123				
Trichlorofluoromethane	68		"	50.0		136	62-140				
Vinyl Chloride	75		"	50.0		149	52-130	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*47.6*		*"*	*50.0*		*95.1*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.6*		*"*	*50.0*		*101*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*46.9*		*"*	*50.0*		*93.8*	*76-130*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00602 - EPA 5035A											
LCS Dup (BI00602-BSD1)								Prepared: 09/10/2020 Analyzed: 09/11/2020			
1,1,1,2-Tetrachloroethane	51		ug/L	50.0		102	75-129		8.56	30	
1,1,1-Trichloroethane	50		"	50.0		99.9	71-137		9.78	30	
1,1,2,2-Tetrachloroethane	54		"	50.0		108	79-129		8.97	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		112	58-146		7.41	30	
1,1,2-Trichloroethane	53		"	50.0		106	83-123		9.27	30	
1,1-Dichloroethane	50		"	50.0		99.3	75-130		7.52	30	
1,1-Dichloroethylene	55		"	50.0		110	64-137		8.20	30	
1,2,3-Trichlorobenzene	52		"	50.0		103	81-140		8.66	30	
1,2,3-Trichloropropane	52		"	50.0		104	81-126		10.2	30	
1,2,4-Trichlorobenzene	52		"	50.0		103	80-141		11.7	30	
1,2,4-Trimethylbenzene	51		"	50.0		102	84-125		6.88	30	
1,2-Dibromo-3-chloropropane	52		"	50.0		103	74-142		13.9	30	
1,2-Dibromoethane	52		"	50.0		104	86-123		9.18	30	
1,2-Dichlorobenzene	51		"	50.0		102	85-122		8.63	30	
1,2-Dichloroethane	49		"	50.0		98.9	71-133		10.0	30	
1,2-Dichloropropane	51		"	50.0		102	81-122		8.76	30	
1,3,5-Trimethylbenzene	51		"	50.0		101	82-126		6.36	30	
1,3-Dichlorobenzene	50		"	50.0		100	84-124		8.11	30	
1,4-Dichlorobenzene	50		"	50.0		100	84-124		7.97	30	
1,4-Dioxane	1200		"	1050		119	10-228		17.9	30	
2-Butanone	59		"	50.0		118	58-147		16.8	30	
2-Hexanone	55		"	50.0		110	70-139		14.3	30	
4-Methyl-2-pentanone	54		"	50.0		109	72-132		12.3	30	
Acetone	44		"	50.0		87.3	36-155		9.30	30	
Acrolein	27		"	50.0		53.6	10-238		13.8	30	
Acrylonitrile	58		"	50.0		116	66-141		17.2	30	
Benzene	55		"	50.0		109	77-127		9.62	30	
Bromochloromethane	52		"	50.0		105	74-129		9.82	30	
Bromodichloromethane	51		"	50.0		102	81-124		9.11	30	
Bromoform	55		"	50.0		110	80-136		13.0	30	
Bromomethane	73		"	50.0		147	32-177		8.15	30	
Carbon disulfide	59		"	50.0		119	10-136		11.7	30	
Carbon tetrachloride	50		"	50.0		100	66-143		8.47	30	
Chlorobenzene	52		"	50.0		104	86-120		8.77	30	
Chloroethane	95		"	50.0		190	51-142	High Bias	6.97	30	
Chloroform	50		"	50.0		101	76-131		9.42	30	
Chloromethane	76		"	50.0		152	49-132	High Bias	9.24	30	
cis-1,2-Dichloroethylene	52		"	50.0		104	74-132		9.29	30	
cis-1,3-Dichloropropylene	51		"	50.0		101	81-129		10.0	30	
Cyclohexane	55		"	50.0		111	70-130		8.02	30	
Dibromochloromethane	53		"	50.0		106	10-200		8.84	30	
Dibromomethane	50		"	50.0		99.5	83-124		8.88	30	
Dichlorodifluoromethane	100		"	50.0		207	28-158	High Bias	7.08	30	
Ethyl Benzene	52		"	50.0		104	84-125		7.49	30	
Hexachlorobutadiene	50		"	50.0		100	83-133		7.24	30	
Isopropylbenzene	49		"	50.0		98.8	81-127		6.50	30	
Methyl acetate	52		"	50.0		104	41-143		13.9	30	
Methyl tert-butyl ether (MTBE)	52		"	50.0		104	74-131		10.6	30	
Methylcyclohexane	55		"	50.0		110	70-130		7.36	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00602 - EPA 5035A											
LCS Dup (BI00602-BSD1)								Prepared: 09/10/2020 Analyzed: 09/11/2020			
Methylene chloride	55		ug/L	50.0		110	57-141		8.70	30	
n-Butylbenzene	51		"	50.0		102	80-130		7.34	30	
n-Propylbenzene	50		"	50.0		100	74-136		5.97	30	
o-Xylene	51		"	50.0		102	83-123		7.71	30	
p- & m- Xylenes	100		"	100		102	82-128		7.49	30	
p-Isopropyltoluene	51		"	50.0		102	85-125		7.12	30	
sec-Butylbenzene	53		"	50.0		106	83-125		5.82	30	
Styrene	53		"	50.0		107	86-126		7.98	30	
tert-Butyl alcohol (TBA)	240		"	250		96.9	70-130		24.1	30	
tert-Butylbenzene	44		"	50.0		87.7	80-127		5.00	30	
Tetrachloroethylene	44		"	50.0		88.1	80-129		6.52	30	
Toluene	52		"	50.0		104	85-121		7.41	30	
trans-1,2-Dichloroethylene	54		"	50.0		108	72-132		7.99	30	
trans-1,3-Dichloropropylene	48		"	50.0		96.5	78-132		9.94	30	
trans-1,4-dichloro-2-butene	53		"	50.0		107	75-135		13.9	30	
Trichloroethylene	50		"	50.0		101	84-123		7.99	30	
Trichlorofluoromethane	73		"	50.0		145	62-140	High Bias	6.65	30	
Vinyl Chloride	80		"	50.0		160	52-130	High Bias	7.23	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*48.8*		*"*	*50.0*		*97.5*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.8*		*"*	*50.0*		*102*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*47.4*		*"*	*50.0*		*94.7*	*76-130*				
Batch BI00637 - EPA 5035A											
Blank (BI00637-BLK1)								Prepared & Analyzed: 09/09/2020			
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00637 - EPA 5035A											
Blank (BI00637-BLK1)											Prepared & Analyzed: 09/09/2020
Acetone	ND	10	ug/kg wet								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*43.3*		*ug/L*	*50.0*		*86.6*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.0*		*"*	*50.0*		*99.9*	*85-120*				

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00637 - EPA 5035A											
Blank (BI00637-BLK1)								Prepared & Analyzed: 09/09/2020			
Surrogate: SURR: p-Bromofluorobenzene	*48.1*		*ug/L*	*50.0*		*96.2*	*76-130*				
LCS (BI00637-BS1)								Prepared & Analyzed: 09/09/2020			
1,1,1,2-Tetrachloroethane	39		ug/L	50.0		78.3	75-129				
1,1,1-Trichloroethane	45		"	50.0		90.7	71-137				
1,1,2,2-Tetrachloroethane	46		"	50.0		92.2	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		102	58-146				
1,1,2-Trichloroethane	49		"	50.0		98.6	83-123				
1,1-Dichloroethane	45		"	50.0		91.0	75-130				
1,1-Dichloroethylene	47		"	50.0		93.2	64-137				
1,2,3-Trichlorobenzene	46		"	50.0		91.0	81-140				
1,2,3-Trichloropropane	45		"	50.0		89.1	81-126				
1,2,4-Trichlorobenzene	41		"	50.0		82.6	80-141				
1,2,4-Trimethylbenzene	40		"	50.0		80.6	84-125	Low Bias			
1,2-Dibromo-3-chloropropane	44		"	50.0		87.8	74-142				
1,2-Dibromoethane	48		"	50.0		96.2	86-123				
1,2-Dichlorobenzene	45		"	50.0		90.1	85-122				
1,2-Dichloroethane	43		"	50.0		86.1	71-133				
1,2-Dichloropropane	44		"	50.0		88.3	81-122				
1,3,5-Trimethylbenzene	41		"	50.0		83.0	82-126				
1,3-Dichlorobenzene	43		"	50.0		86.3	84-124				
1,4-Dichlorobenzene	41		"	50.0		82.6	84-124	Low Bias			
1,4-Dioxane	1100		"	1050		109	10-228				
2-Butanone	58		"	50.0		116	58-147				
2-Hexanone	48		"	50.0		95.0	70-139				
4-Methyl-2-pentanone	47		"	50.0		94.5	72-132				
Acetone	37		"	50.0		73.0	36-155				
Acrolein	29		"	50.0		58.4	10-238				
Acrylonitrile	55		"	50.0		110	66-141				
Benzene	50		"	50.0		100	77-127				
Bromochloromethane	46		"	50.0		91.9	74-129				
Bromodichloromethane	45		"	50.0		89.5	81-124				
Bromoform	41		"	50.0		82.6	80-136				
Bromomethane	50		"	50.0		101	32-177				
Carbon disulfide	49		"	50.0		97.9	10-136				
Carbon tetrachloride	47		"	50.0		93.4	66-143				
Chlorobenzene	47		"	50.0		94.2	86-120				
Chloroethane	51		"	50.0		103	51-142				
Chloroform	47		"	50.0		93.3	76-131				
Chloromethane	56		"	50.0		112	49-132				
cis-1,2-Dichloroethylene	45		"	50.0		89.2	74-132				
cis-1,3-Dichloropropylene	44		"	50.0		87.2	81-129				
Cyclohexane	46		"	50.0		91.1	70-130				
Dibromochloromethane	51		"	50.0		103	10-200				
Dibromomethane	45		"	50.0		90.6	83-124				
Dichlorodifluoromethane	43		"	50.0		85.3	28-158				
Ethyl Benzene	44		"	50.0		87.4	84-125				
Hexachlorobutadiene	46		"	50.0		91.8	83-133				
Isopropylbenzene	42		"	50.0		84.2	81-127				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00637 - EPA 5035A											
LCS (BI00637-BS1)								Prepared & Analyzed: 09/09/2020			
Methyl acetate	46		ug/L	50.0		92.2	41-143				
Methyl tert-butyl ether (MTBE)	50		"	50.0		99.3	74-131				
Methylcyclohexane	46		"	50.0		91.4	70-130				
Methylene chloride	49		"	50.0		97.6	57-141				
n-Butylbenzene	37		"	50.0		74.9	80-130	Low Bias			
n-Propylbenzene	40		"	50.0		79.4	74-136				
o-Xylene	43		"	50.0		87.0	83-123				
p- & m- Xylenes	87		"	100		87.1	82-128				
p-Isopropyltoluene	42		"	50.0		83.3	85-125	Low Bias			
sec-Butylbenzene	45		"	50.0		90.6	83-125				
Styrene	47		"	50.0		93.4	86-126				
tert-Butyl alcohol (TBA)	260		"	250		102	70-130				
tert-Butylbenzene	43		"	50.0		85.3	80-127				
Tetrachloroethylene	44		"	50.0		88.5	80-129				
Toluene	46		"	50.0		92.9	85-121				
trans-1,2-Dichloroethylene	46		"	50.0		91.8	72-132				
trans-1,3-Dichloropropylene	41		"	50.0		81.9	78-132				
trans-1,4-dichloro-2-butene	44		"	50.0		87.3	75-135				
Trichloroethylene	47		"	50.0		93.7	84-123				
Trichlorofluoromethane	43		"	50.0		85.3	62-140				
Vinyl Chloride	59		"	50.0		117	52-130				
Surrogate: SURR: 1,2-Dichloroethane-d4	*44.4*		*"*	*50.0*		*88.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.2*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*45.2*		*"*	*50.0*		*90.3*	*76-130*				
LCS Dup (BI00637-BSD1)								Prepared & Analyzed: 09/09/2020			
1,1,1,2-Tetrachloroethane	39		ug/L	50.0		77.9	75-129		0.589	30	
1,1,1-Trichloroethane	45		"	50.0		89.4	71-137		1.38	30	
1,1,2,2-Tetrachloroethane	48		"	50.0		96.3	79-129		4.27	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	51		"	50.0		102	58-146		0.0983	30	
1,1,2-Trichloroethane	49		"	50.0		97.9	83-123		0.692	30	
1,1-Dichloroethane	46		"	50.0		92.0	75-130		1.09	30	
1,1-Dichloroethylene	46		"	50.0		92.3	64-137		0.992	30	
1,2,3-Trichlorobenzene	50		"	50.0		100	81-140		9.66	30	
1,2,3-Trichloropropane	47		"	50.0		93.5	81-126		4.82	30	
1,2,4-Trichlorobenzene	45		"	50.0		90.4	80-141		9.06	30	
1,2,4-Trimethylbenzene	42		"	50.0		84.5	84-125		4.73	30	
1,2-Dibromo-3-chloropropane	45		"	50.0		89.9	74-142		2.36	30	
1,2-Dibromoethane	48		"	50.0		95.9	86-123		0.333	30	
1,2-Dichlorobenzene	48		"	50.0		96.4	85-122		6.71	30	
1,2-Dichloroethane	44		"	50.0		87.5	71-133		1.57	30	
1,2-Dichloropropane	45		"	50.0		89.1	81-122		0.947	30	
1,3,5-Trimethylbenzene	44		"	50.0		87.2	82-126		4.98	30	
1,3-Dichlorobenzene	46		"	50.0		92.2	84-124		6.63	30	
1,4-Dichlorobenzene	47		"	50.0		93.2	84-124		12.0	30	
1,4-Dioxane	1300		"	1050		122	10-228		11.0	30	
2-Butanone	61		"	50.0		121	58-147		4.89	30	
2-Hexanone	49		"	50.0		98.4	70-139		3.56	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00637 - EPA 5035A											
LCS Dup (BI00637-BSD1)								Prepared & Analyzed: 09/09/2020			
4-Methyl-2-pentanone	49		ug/L	50.0		99.0	72-132		4.65	30	
Acetone	36		"	50.0		72.5	36-155		0.714	30	
Acrolein	42		"	50.0		84.3	10-238		36.3	30	Non-dir.
Acrylonitrile	57		"	50.0		114	66-141		3.37	30	
Benzene	51		"	50.0		102	77-127		1.42	30	
Bromochloromethane	47		"	50.0		93.1	74-129		1.30	30	
Bromodichloromethane	43		"	50.0		86.7	81-124		3.20	30	
Bromoform	37		"	50.0		73.2	80-136	Low Bias	12.1	30	
Bromomethane	47		"	50.0		94.7	32-177		6.02	30	
Carbon disulfide	49		"	50.0		97.6	10-136		0.286	30	
Carbon tetrachloride	46		"	50.0		92.9	66-143		0.515	30	
Chlorobenzene	48		"	50.0		95.9	86-120		1.79	30	
Chloroethane	51		"	50.0		102	51-142		0.880	30	
Chloroform	46		"	50.0		92.9	76-131		0.430	30	
Chloromethane	57		"	50.0		114	49-132		1.67	30	
cis-1,2-Dichloroethylene	46		"	50.0		92.0	74-132		3.07	30	
cis-1,3-Dichloropropylene	44		"	50.0		87.5	81-129		0.389	30	
Cyclohexane	47		"	50.0		93.2	70-130		2.21	30	
Dibromochloromethane	49		"	50.0		98.5	10-200		4.08	30	
Dibromomethane	45		"	50.0		90.7	83-124		0.154	30	
Dichlorodifluoromethane	42		"	50.0		84.7	28-158		0.659	30	
Ethyl Benzene	45		"	50.0		90.1	84-125		3.11	30	
Hexachlorobutadiene	42		"	50.0		84.8	83-133		7.95	30	
Isopropylbenzene	42		"	50.0		83.9	81-127		0.262	30	
Methyl acetate	48		"	50.0		95.6	41-143		3.56	30	
Methyl tert-butyl ether (MTBE)	49		"	50.0		98.4	74-131		0.971	30	
Methylcyclohexane	45		"	50.0		90.7	70-130		0.835	30	
Methylene chloride	49		"	50.0		98.5	57-141		0.898	30	
n-Butylbenzene	41		"	50.0		81.0	80-130		7.85	30	
n-Propylbenzene	42		"	50.0		83.7	74-136		5.22	30	
o-Xylene	44		"	50.0		88.6	83-123		1.89	30	
p- & m- Xylenes	89		"	100		89.4	82-128		2.63	30	
p-Isopropyltoluene	44		"	50.0		88.1	85-125		5.69	30	
sec-Butylbenzene	47		"	50.0		93.1	83-125		2.74	30	
Styrene	47		"	50.0		94.7	86-126		1.45	30	
tert-Butyl alcohol (TBA)	270		"	250		107	70-130		4.96	30	
tert-Butylbenzene	44		"	50.0		87.4	80-127		2.46	30	
Tetrachloroethylene	43		"	50.0		86.1	80-129		2.75	30	
Toluene	47		"	50.0		93.2	85-121		0.387	30	
trans-1,2-Dichloroethylene	47		"	50.0		94.6	72-132		2.96	30	
trans-1,3-Dichloropropylene	42		"	50.0		84.0	78-132		2.56	30	
trans-1,4-dichloro-2-butene	47		"	50.0		93.2	75-135		6.60	30	
Trichloroethylene	46		"	50.0		91.9	84-123		1.94	30	
Trichlorofluoromethane	42		"	50.0		83.2	62-140		2.47	30	
Vinyl Chloride	59		"	50.0		119	52-130		1.00	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*45.1*		*"*	*50.0*		*90.2*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.1*	*85-120*				

Volatile Organic Compounds by GC/MS - Quality Control Data

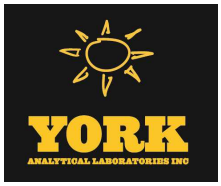
York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00637 - EPA 5035A											
LCS Dup (BI00637-BSD1)											Prepared & Analyzed: 09/09/2020
Surrogate: SURR: p-Bromofluorobenzene	*45.7*		*ug/L*	*50.0*		*91.4*	*76-130*				
Batch BI00638 - EPA 5030B											
Blank (BI00638-BLK1)											Prepared & Analyzed: 09/11/2020
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00638 - EPA 5030B											
Blank (BI00638-BLK1)											
Prepared & Analyzed: 09/11/2020											
Hexachlorobutadiene	ND	0.50	ug/L								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*11.2*		*"*	*10.0*		*112*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.2*		*"*	*10.0*		*102*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.0*		*"*	*10.0*		*100*	*79-122*				



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00638 - EPA 5030B											
LCS (BI00638-BS1)								Prepared & Analyzed: 09/11/2020			
1,1,1,2-Tetrachloroethane	11		ug/L	10.0		107	82-126				
1,1,1-Trichloroethane	11		"	10.0		109	78-136				
1,1,2,2-Tetrachloroethane	9.7		"	10.0		97.2	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		111	54-165				
1,1,2-Trichloroethane	9.6		"	10.0		96.1	82-123				
1,1-Dichloroethane	9.8		"	10.0		98.5	82-129				
1,1-Dichloroethylene	11		"	10.0		106	68-138				
1,2,3-Trichlorobenzene	9.3		"	10.0		92.9	40-130				
1,2,3-Trichloropropane	10		"	10.0		103	77-128				
1,2,4-Trichlorobenzene	10		"	10.0		99.7	65-137				
1,2,4-Trimethylbenzene	11		"	10.0		113	82-132				
1,2-Dibromo-3-chloropropane	9.3		"	10.0		93.0	45-147				
1,2-Dibromoethane	9.9		"	10.0		99.1	83-124				
1,2-Dichlorobenzene	11		"	10.0		109	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	9.9		"	10.0		99.0	78-126				
1,3,5-Trimethylbenzene	11		"	10.0		114	80-131				
1,3-Dichlorobenzene	11		"	10.0		109	86-130				
1,4-Dichlorobenzene	11		"	10.0		107	85-130				
1,4-Dioxane	210		"	210		102	10-349				
2-Butanone	8.6		"	10.0		86.5	49-152				
2-Hexanone	9.0		"	10.0		90.0	51-146				
4-Methyl-2-pentanone	8.4		"	10.0		84.4	57-145				
Acetone	8.5		"	10.0		84.8	14-150				
Acrolein	5.0		"	10.0		50.3	10-153				
Acrylonitrile	8.2		"	10.0		82.1	51-150				
Benzene	10		"	10.0		99.9	85-126				
Bromochloromethane	9.0		"	10.0		89.8	77-128				
Bromodichloromethane	11		"	10.0		105	79-128				
Bromoform	9.5		"	10.0		95.2	78-133				
Bromomethane	3.6		"	10.0		36.1	43-168	Low Bias			
Carbon disulfide	11		"	10.0		106	68-146				
Carbon tetrachloride	11		"	10.0		111	77-141				
Chlorobenzene	11		"	10.0		106	88-120				
Chloroethane	12		"	10.0		122	65-136				
Chloroform	10		"	10.0		104	82-128				
Chloromethane	9.5		"	10.0		95.0	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		103	83-129				
cis-1,3-Dichloropropylene	10		"	10.0		104	80-131				
Cyclohexane	11		"	10.0		110	63-149				
Dibromochloromethane	10		"	10.0		102	80-130				
Dibromomethane	9.6		"	10.0		96.5	72-134				
Dichlorodifluoromethane	13		"	10.0		129	44-144				
Ethyl Benzene	11		"	10.0		111	80-131				
Hexachlorobutadiene	11		"	10.0		105	67-146				
Isopropylbenzene	11		"	10.0		110	76-140				
Methyl acetate	9.1		"	10.0		91.2	51-139				
Methyl tert-butyl ether (MTBE)	9.2		"	10.0		92.3	76-135				
Methylcyclohexane	11		"	10.0		114	72-143				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00638 - EPA 5030B											
LCS (BI00638-BS1)								Prepared & Analyzed: 09/11/2020			
Methylene chloride	9.3		ug/L	10.0		92.6	55-137				
n-Butylbenzene	12		"	10.0		115	79-132				
n-Propylbenzene	11		"	10.0		113	78-133				
o-Xylene	11		"	10.0		108	78-130				
p- & m- Xylenes	23		"	20.0		113	77-133				
p-Isopropyltoluene	11		"	10.0		115	81-136				
sec-Butylbenzene	12		"	10.0		118	79-137				
Styrene	11		"	10.0		110	67-132				
tert-Butyl alcohol (TBA)	34		"	50.0		68.5	25-162				
tert-Butylbenzene	10		"	10.0		100	77-138				
Tetrachloroethylene	11		"	10.0		113	82-131				
Toluene	11		"	10.0		106	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		104	80-132				
trans-1,3-Dichloropropylene	10		"	10.0		100	78-131				
trans-1,4-dichloro-2-butene	10		"	10.0		99.5	63-141				
Trichloroethylene	11		"	10.0		109	82-128				
Trichlorofluoromethane	12		"	10.0		121	67-139				
Vinyl Chloride	10		"	10.0		102	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.99*		*"*	*10.0*		*99.9*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.3*		*"*	*10.0*		*103*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				
LCS Dup (BI00638-BSD1)								Prepared & Analyzed: 09/11/2020			
1,1,1,2-Tetrachloroethane	10		ug/L	10.0		104	82-126		3.32	30	
1,1,1-Trichloroethane	10		"	10.0		102	78-136		6.46	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		103	76-129		5.79	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10		"	10.0		102	54-165		8.33	30	
1,1,2-Trichloroethane	10		"	10.0		101	82-123		4.67	30	
1,1-Dichloroethane	9.3		"	10.0		92.9	82-129		5.85	30	
1,1-Dichloroethylene	9.8		"	10.0		98.0	68-138		8.03	30	
1,2,3-Trichlorobenzene	9.4		"	10.0		94.0	40-130		1.18	30	
1,2,3-Trichloropropane	11		"	10.0		109	77-128		5.48	30	
1,2,4-Trichlorobenzene	10		"	10.0		101	65-137		0.899	30	
1,2,4-Trimethylbenzene	11		"	10.0		106	82-132		7.04	30	
1,2-Dibromo-3-chloropropane	10		"	10.0		103	45-147		10.4	30	
1,2-Dibromoethane	10		"	10.0		101	83-124		2.00	30	
1,2-Dichlorobenzene	11		"	10.0		106	79-123		2.23	30	
1,2-Dichloroethane	10		"	10.0		102	73-132		0.589	30	
1,2-Dichloropropane	9.5		"	10.0		94.9	78-126		4.23	30	
1,3,5-Trimethylbenzene	10		"	10.0		104	80-131		8.78	30	
1,3-Dichlorobenzene	10		"	10.0		100	86-130		8.68	30	
1,4-Dichlorobenzene	10		"	10.0		105	85-130		2.36	30	
1,4-Dioxane	220		"	210		104	10-349		2.43	30	
2-Butanone	10		"	10.0		99.5	49-152		14.0	30	
2-Hexanone	9.8		"	10.0		97.7	51-146		8.20	30	
4-Methyl-2-pentanone	9.3		"	10.0		93.4	57-145		10.1	30	
Acetone	9.1		"	10.0		90.6	14-150		6.61	30	
Acrolein	5.3		"	10.0		53.1	10-153		5.42	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00638 - EPA 5030B											
LCS Dup (BI00638-BSD1)								Prepared & Analyzed: 09/11/2020			
Acrylonitrile	8.3		ug/L	10.0		83.2	51-150		1.33	30	
Benzene	9.4		"	10.0		93.7	85-126		6.40	30	
Bromochloromethane	9.1		"	10.0		90.8	77-128		1.11	30	
Bromodichloromethane	10		"	10.0		100	79-128		4.57	30	
Bromoform	9.8		"	10.0		98.4	78-133		3.31	30	
Bromomethane	3.9		"	10.0		39.2	43-168	Low Bias	8.23	30	
Carbon disulfide	9.6		"	10.0		95.5	68-146		10.1	30	
Carbon tetrachloride	10		"	10.0		104	77-141		6.52	30	
Chlorobenzene	10		"	10.0		102	88-120		3.65	30	
Chloroethane	11		"	10.0		113	65-136		7.22	30	
Chloroform	9.7		"	10.0		96.9	82-128		7.07	30	
Chloromethane	8.8		"	10.0		87.5	43-155		8.22	30	
cis-1,2-Dichloroethylene	9.8		"	10.0		98.0	83-129		5.07	30	
cis-1,3-Dichloropropylene	10		"	10.0		102	80-131		2.03	30	
Cyclohexane	10		"	10.0		102	63-149		7.62	30	
Dibromochloromethane	11		"	10.0		108	80-130		5.25	30	
Dibromomethane	9.8		"	10.0		97.9	72-134		1.44	30	
Dichlorodifluoromethane	12		"	10.0		123	44-144		5.16	30	
Ethyl Benzene	10		"	10.0		104	80-131		6.13	30	
Hexachlorobutadiene	10		"	10.0		104	67-146		1.15	30	
Isopropylbenzene	10		"	10.0		100	76-140		9.70	30	
Methyl acetate	9.8		"	10.0		98.0	51-139		7.19	30	
Methyl tert-butyl ether (MTBE)	10		"	10.0		101	76-135		8.90	30	
Methylcyclohexane	11		"	10.0		106	72-143		6.81	30	
Methylene chloride	9.0		"	10.0		90.5	55-137		2.29	30	
n-Butylbenzene	10		"	10.0		105	79-132		9.09	30	
n-Propylbenzene	10		"	10.0		103	78-133		9.15	30	
o-Xylene	10		"	10.0		104	78-130		3.95	30	
p- & m- Xylenes	21		"	20.0		106	77-133		5.90	30	
p-Isopropyltoluene	11		"	10.0		105	81-136		8.46	30	
sec-Butylbenzene	11		"	10.0		109	79-137		7.78	30	
Styrene	11		"	10.0		105	67-132		4.09	30	
tert-Butyl alcohol (TBA)	42		"	50.0		84.8	25-162		21.2	30	
tert-Butylbenzene	9.1		"	10.0		91.1	77-138		9.51	30	
Tetrachloroethylene	10		"	10.0		105	82-131		7.17	30	
Toluene	9.9		"	10.0		98.9	80-127		7.12	30	
trans-1,2-Dichloroethylene	9.7		"	10.0		96.6	80-132		7.57	30	
trans-1,3-Dichloropropylene	10		"	10.0		102	78-131		1.48	30	
trans-1,4-dichloro-2-butene	10		"	10.0		104	63-141		4.71	30	
Trichloroethylene	10		"	10.0		100	82-128		8.34	30	
Trichlorofluoromethane	11		"	10.0		113	67-139		6.76	30	
Vinyl Chloride	9.8		"	10.0		98.1	58-145		4.09	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.4*		*"*	*10.0*		*104*	*69-130*				
Surrogate: SURR: Toluene-d8	*10.1*		*"*	*10.0*		*101*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.1*		*"*	*10.0*		*101*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00641 - EPA 5035A											
Blank (BI00641-BLK1)											
Prepared & Analyzed: 09/11/2020											
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								
Acrolein	ND	10	"								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00641 - EPA 5035A											
Blank (BI00641-BLK1)											Prepared & Analyzed: 09/11/2020
Methylene chloride	ND	10	ug/kg wet								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*38.5*		*ug/L*	*50.0*		*77.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.1*		*"*	*50.0*		*98.3*	*76-130*				
Blank (BI00641-BLK2)											Prepared & Analyzed: 09/11/2020
1,1,1,2-Tetrachloroethane	ND	5.0	ug/kg wet								
1,1,1-Trichloroethane	ND	5.0	"								
1,1,2,2-Tetrachloroethane	ND	5.0	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	5.0	"								
1,1,2-Trichloroethane	ND	5.0	"								
1,1-Dichloroethane	ND	5.0	"								
1,1-Dichloroethylene	ND	5.0	"								
1,2,3-Trichlorobenzene	ND	5.0	"								
1,2,3-Trichloropropane	ND	5.0	"								
1,2,4-Trichlorobenzene	ND	5.0	"								
1,2,4-Trimethylbenzene	ND	5.0	"								
1,2-Dibromo-3-chloropropane	ND	5.0	"								
1,2-Dibromoethane	ND	5.0	"								
1,2-Dichlorobenzene	ND	5.0	"								
1,2-Dichloroethane	ND	5.0	"								
1,2-Dichloropropane	ND	5.0	"								
1,3,5-Trimethylbenzene	ND	5.0	"								
1,3-Dichlorobenzene	ND	5.0	"								
1,4-Dichlorobenzene	ND	5.0	"								
1,4-Dioxane	ND	100	"								
2-Butanone	ND	5.0	"								
2-Hexanone	ND	5.0	"								
4-Methyl-2-pentanone	ND	5.0	"								
Acetone	ND	10	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00641 - EPA 5035A											
Blank (BI00641-BLK2)											Prepared & Analyzed: 09/11/2020
Acrolein	ND	10	ug/kg wet								
Acrylonitrile	ND	5.0	"								
Benzene	ND	5.0	"								
Bromochloromethane	ND	5.0	"								
Bromodichloromethane	ND	5.0	"								
Bromoform	ND	5.0	"								
Bromomethane	ND	5.0	"								
Carbon disulfide	ND	5.0	"								
Carbon tetrachloride	ND	5.0	"								
Chlorobenzene	ND	5.0	"								
Chloroethane	ND	5.0	"								
Chloroform	ND	5.0	"								
Chloromethane	ND	5.0	"								
cis-1,2-Dichloroethylene	ND	5.0	"								
cis-1,3-Dichloropropylene	ND	5.0	"								
Cyclohexane	ND	5.0	"								
Dibromochloromethane	ND	5.0	"								
Dibromomethane	ND	5.0	"								
Dichlorodifluoromethane	ND	5.0	"								
Ethyl Benzene	ND	5.0	"								
Hexachlorobutadiene	ND	5.0	"								
Isopropylbenzene	ND	5.0	"								
Methyl acetate	ND	5.0	"								
Methyl tert-butyl ether (MTBE)	ND	5.0	"								
Methylcyclohexane	ND	5.0	"								
Methylene chloride	ND	10	"								
n-Butylbenzene	ND	5.0	"								
n-Propylbenzene	ND	5.0	"								
o-Xylene	ND	5.0	"								
p- & m- Xylenes	ND	10	"								
p-Isopropyltoluene	ND	5.0	"								
sec-Butylbenzene	ND	5.0	"								
Styrene	ND	5.0	"								
tert-Butyl alcohol (TBA)	ND	5.0	"								
tert-Butylbenzene	ND	5.0	"								
Tetrachloroethylene	ND	5.0	"								
Toluene	ND	5.0	"								
trans-1,2-Dichloroethylene	ND	5.0	"								
trans-1,3-Dichloropropylene	ND	5.0	"								
trans-1,4-dichloro-2-butene	ND	5.0	"								
Trichloroethylene	ND	5.0	"								
Trichlorofluoromethane	ND	5.0	"								
Vinyl Chloride	ND	5.0	"								
Xylenes, Total	ND	15	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*38.9*		*ug/L*	*50.0*		*77.7*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.9*		*"*	*50.0*		*99.8*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*49.0*		*"*	*50.0*		*98.0*	*76-130*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00641 - EPA 5035A											
LCS (BI00641-BS1)								Prepared & Analyzed: 09/11/2020			
1,1,1,2-Tetrachloroethane	38		ug/L	50.0		75.6	75-129				
1,1,1-Trichloroethane	44		"	50.0		87.3	71-137				
1,1,2,2-Tetrachloroethane	53		"	50.0		105	79-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	56		"	50.0		112	58-146				
1,1,2-Trichloroethane	51		"	50.0		102	83-123				
1,1-Dichloroethane	49		"	50.0		97.4	75-130				
1,1-Dichloroethylene	53		"	50.0		105	64-137				
1,2,3-Trichlorobenzene	52		"	50.0		103	81-140				
1,2,3-Trichloropropane	45		"	50.0		90.8	81-126				
1,2,4-Trichlorobenzene	50		"	50.0		100	80-141				
1,2,4-Trimethylbenzene	44		"	50.0		88.5	84-125				
1,2-Dibromo-3-chloropropane	45		"	50.0		90.2	74-142				
1,2-Dibromoethane	49		"	50.0		98.8	86-123				
1,2-Dichlorobenzene	51		"	50.0		102	85-122				
1,2-Dichloroethane	40		"	50.0		80.5	71-133				
1,2-Dichloropropane	48		"	50.0		96.0	81-122				
1,3,5-Trimethylbenzene	45		"	50.0		89.9	82-126				
1,3-Dichlorobenzene	50		"	50.0		100	84-124				
1,4-Dichlorobenzene	49		"	50.0		97.7	84-124				
1,4-Dioxane	1400		"	1050		136	10-228				
2-Butanone	62		"	50.0		125	58-147				
2-Hexanone	50		"	50.0		99.9	70-139				
4-Methyl-2-pentanone	50		"	50.0		101	72-132				
Acetone	37		"	50.0		73.3	36-155				
Acrolein	57		"	50.0		114	10-238				
Acrylonitrile	64		"	50.0		129	66-141				
Benzene	57		"	50.0		113	77-127				
Bromochloromethane	48		"	50.0		95.4	74-129				
Bromodichloromethane	43		"	50.0		85.3	81-124				
Bromoform	37		"	50.0		74.7	80-136	Low Bias			
Bromomethane	39		"	50.0		78.7	32-177				
Carbon disulfide	63		"	50.0		126	10-136				
Carbon tetrachloride	45		"	50.0		89.7	66-143				
Chlorobenzene	51		"	50.0		101	86-120				
Chloroethane	45		"	50.0		90.3	51-142				
Chloroform	46		"	50.0		92.8	76-131				
Chloromethane	69		"	50.0		137	49-132	High Bias			
cis-1,2-Dichloroethylene	48		"	50.0		95.8	74-132				
cis-1,3-Dichloropropylene	48		"	50.0		96.4	81-129				
Cyclohexane	56		"	50.0		111	70-130				
Dibromochloromethane	48		"	50.0		95.1	10-200				
Dibromomethane	46		"	50.0		92.6	83-124				
Dichlorodifluoromethane	66		"	50.0		131	28-158				
Ethyl Benzene	48		"	50.0		96.4	84-125				
Hexachlorobutadiene	44		"	50.0		87.4	83-133				
Isopropylbenzene	45		"	50.0		89.0	81-127				
Methyl acetate	53		"	50.0		105	41-143				
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131				
Methylcyclohexane	54		"	50.0		109	70-130				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00641 - EPA 5035A											
LCS (BI00641-BS1)								Prepared & Analyzed: 09/11/2020			
Methylene chloride	51		ug/L	50.0		103	57-141				
n-Butylbenzene	47		"	50.0		94.8	80-130				
n-Propylbenzene	46		"	50.0		91.5	74-136				
o-Xylene	46		"	50.0		91.7	83-123				
p- & m- Xylenes	96		"	100		95.8	82-128				
p-Isopropyltoluene	47		"	50.0		94.8	85-125				
sec-Butylbenzene	50		"	50.0		99.1	83-125				
Styrene	52		"	50.0		104	86-126				
tert-Butyl alcohol (TBA)	290		"	250		114	70-130				
tert-Butylbenzene	44		"	50.0		88.8	80-127				
Tetrachloroethylene	48		"	50.0		95.3	80-129				
Toluene	51		"	50.0		102	85-121				
trans-1,2-Dichloroethylene	52		"	50.0		104	72-132				
trans-1,3-Dichloropropylene	45		"	50.0		90.2	78-132				
trans-1,4-dichloro-2-butene	52		"	50.0		104	75-135				
Trichloroethylene	48		"	50.0		97.0	84-123				
Trichlorofluoromethane	41		"	50.0		81.2	62-140				
Vinyl Chloride	68		"	50.0		137	52-130	High Bias			
Surrogate: SURR: 1,2-Dichloroethane-d4	*39.4*		*"*	*50.0*		*78.9*	*77-125*				
Surrogate: SURR: Toluene-d8	*49.6*		*"*	*50.0*		*99.2*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*44.1*		*"*	*50.0*		*88.3*	*76-130*				
LCS Dup (BI00641-BSD1)								Prepared & Analyzed: 09/11/2020			
1,1,1,2-Tetrachloroethane	39		ug/L	50.0		77.9	75-129		2.92	30	
1,1,1-Trichloroethane	46		"	50.0		93.0	71-137		6.32	30	
1,1,2,2-Tetrachloroethane	56		"	50.0		111	79-129		5.62	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	60		"	50.0		121	58-146		7.21	30	
1,1,2-Trichloroethane	54		"	50.0		107	83-123		4.37	30	
1,1-Dichloroethane	51		"	50.0		102	75-130		4.22	30	
1,1-Dichloroethylene	56		"	50.0		112	64-137		5.82	30	
1,2,3-Trichlorobenzene	51		"	50.0		102	81-140		0.915	30	
1,2,3-Trichloropropane	50		"	50.0		99.0	81-126		8.70	30	
1,2,4-Trichlorobenzene	52		"	50.0		104	80-141		3.68	30	
1,2,4-Trimethylbenzene	46		"	50.0		92.1	84-125		3.96	30	
1,2-Dibromo-3-chloropropane	49		"	50.0		97.3	74-142		7.53	30	
1,2-Dibromoethane	52		"	50.0		104	86-123		5.01	30	
1,2-Dichlorobenzene	52		"	50.0		104	85-122		1.77	30	
1,2-Dichloroethane	41		"	50.0		81.2	71-133		0.817	30	
1,2-Dichloropropane	50		"	50.0		100	81-122		4.50	30	
1,3,5-Trimethylbenzene	48		"	50.0		96.0	82-126		6.50	30	
1,3-Dichlorobenzene	52		"	50.0		104	84-124		4.33	30	
1,4-Dichlorobenzene	51		"	50.0		103	84-124		4.79	30	
1,4-Dioxane	1800		"	1050		169	10-228		21.6	30	
2-Butanone	68		"	50.0		136	58-147		8.74	30	
2-Hexanone	56		"	50.0		112	70-139		11.1	30	
4-Methyl-2-pentanone	55		"	50.0		110	72-132		9.22	30	
Acetone	40		"	50.0		80.9	36-155		9.86	30	
Acrolein	58		"	50.0		116	10-238		2.13	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00641 - EPA 5035A											
LCS Dup (BI00641-BSD1)								Prepared & Analyzed: 09/11/2020			
Acrylonitrile	70		ug/L	50.0		141	66-141		8.81	30	
Benzene	59		"	50.0		117	77-127		3.72	30	
Bromochloromethane	48		"	50.0		96.8	74-129		1.50	30	
Bromodichloromethane	44		"	50.0		88.7	81-124		3.91	30	
Bromoform	39		"	50.0		77.7	80-136	Low Bias	3.86	30	
Bromomethane	43		"	50.0		86.8	32-177		9.79	30	
Carbon disulfide	67		"	50.0		135	10-136		6.33	30	
Carbon tetrachloride	48		"	50.0		95.4	66-143		6.09	30	
Chlorobenzene	54		"	50.0		107	86-120		5.70	30	
Chloroethane	47		"	50.0		93.1	51-142		3.12	30	
Chloroform	48		"	50.0		95.6	76-131		2.97	30	
Chloromethane	71		"	50.0		142	49-132	High Bias	3.31	30	
cis-1,2-Dichloroethylene	50		"	50.0		101	74-132		5.09	30	
cis-1,3-Dichloropropylene	50		"	50.0		101	81-129		4.58	30	
Cyclohexane	60		"	50.0		119	70-130		6.84	30	
Dibromochloromethane	48		"	50.0		96.8	10-200		1.75	30	
Dibromomethane	49		"	50.0		97.2	83-124		4.89	30	
Dichlorodifluoromethane	66		"	50.0		132	28-158		1.09	30	
Ethyl Benzene	51		"	50.0		102	84-125		6.11	30	
Hexachlorobutadiene	45		"	50.0		89.4	83-133		2.24	30	
Isopropylbenzene	48		"	50.0		96.1	81-127		7.59	30	
Methyl acetate	57		"	50.0		113	41-143		7.31	30	
Methyl tert-butyl ether (MTBE)	51		"	50.0		102	74-131		0.450	30	
Methylcyclohexane	60		"	50.0		119	70-130		9.25	30	
Methylene chloride	52		"	50.0		104	57-141		1.58	30	
n-Butylbenzene	50		"	50.0		100	80-130		5.36	30	
n-Propylbenzene	49		"	50.0		97.8	74-136		6.68	30	
o-Xylene	48		"	50.0		96.5	83-123		5.16	30	
p- & m- Xylenes	100		"	100		102	82-128		6.54	30	
p-Isopropyltoluene	50		"	50.0		101	85-125		5.90	30	
sec-Butylbenzene	53		"	50.0		105	83-125		6.03	30	
Styrene	54		"	50.0		108	86-126		3.17	30	
tert-Butyl alcohol (TBA)	330		"	250		132	70-130	High Bias	14.3	30	
tert-Butylbenzene	47		"	50.0		94.5	80-127		6.24	30	
Tetrachloroethylene	52		"	50.0		104	80-129		8.95	30	
Toluene	54		"	50.0		108	85-121		5.50	30	
trans-1,2-Dichloroethylene	55		"	50.0		110	72-132		5.44	30	
trans-1,3-Dichloropropylene	47		"	50.0		93.9	78-132		4.09	30	
trans-1,4-dichloro-2-butene	55		"	50.0		111	75-135		6.30	30	
Trichloroethylene	52		"	50.0		105	84-123		7.84	30	
Trichlorofluoromethane	44		"	50.0		87.5	62-140		7.45	30	
Vinyl Chloride	72		"	50.0		144	52-130	High Bias	5.34	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*38.5*		*"*	*50.0*		*77.0*	*77-125*				
Surrogate: SURR: Toluene-d8	*50.1*		*"*	*50.0*		*100*	*85-120*				
Surrogate: SURR: p-Bromofluorobenzene	*44.4*		*"*	*50.0*		*88.9*	*76-130*				

Miscellaneous Physical Parameters - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BI00260 - % Solids Prep											
Duplicate (BI00260-DUP1)	*Source sample: 20I0188-02 (Duplicate)							Prepared & Analyzed: 09/04/2020			
% Solids	89.7	0.100	%		88.0				1.97	20	

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20I0216-01	GB-17 (4-5)	40mL Vial with Stir Bar-Cool 4° C
20I0216-02	GB-19 (2-4)	40mL Vial with Stir Bar-Cool 4° C
20I0216-03	GB-20 (4-6)	40mL Vial with Stir Bar-Cool 4° C
20I0216-04	GB-18 (2-4)	40mL Vial with Stir Bar-Cool 4° C
20I0216-05	FB-3	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C
20I0216-06	TB-2	40mL Clear Vial (pre-pres.) HCl; Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
ICV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during initial calibration verification (recovery exceeded 30% of expected value).
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Laboratory Chain-of-Custody Record

York Project (SDG) No.: 20I0216

Samples Received: 09/03/2020 18:08 **By:** Kristina M. Blocker **Logged In:** 09/03/2020 17:12 **By:** Kristina M. Blocker

Sample Conditions:

- [x] Custody Seals
- [x] Containers Intact
- [x] COC/Labels Agree
- [x] Preservation Confirmed
- [x] Cooler Temperature Confirmed
- [x] COC Complete
- [x] Chain of Custody Form Received
- [x] Appropriate Sample Volumes Received
- [x] Appropriate Sample Containers Submitted
- [x] Samples Submitted within Holding Times
- [ ] Corrective Action Form Required

Preparation Chain-of-Custody

Sample ID	Reason Prep	Prep Start Date	Prep End Date	Prep Analyst
20I0216-01	% Solids Prep	09/04/2020 7:59	09/04/2020 7:59	William J Midolo
20I0216-02	% Solids Prep	09/04/2020 7:59	09/04/2020 7:59	William J Midolo
20I0216-03	% Solids Prep	09/04/2020 7:59	09/04/2020 7:59	William J Midolo
20I0216-04	% Solids Prep	09/04/2020 7:59	09/04/2020 7:59	William J Midolo
20I0216-05	EPA 5030B	09/11/2020 6:56	09/11/2020 6:56	Taylor M. Pasquence
20I0216-06	EPA 5030B	09/08/2020 6:32	09/08/2020 6:32	Arlene Schork
20I0216-01	EPA 5035A	09/08/2020 6:12	09/08/2020 6:12	Taylor M. Pasquence
20I0216-01RE1	EPA 5035A	09/08/2020 6:12	09/08/2020 6:12	Taylor M. Pasquence
20I0216-02	EPA 5035A	09/09/2020 6:42	09/09/2020 6:42	Taylor M. Pasquence
20I0216-03	EPA 5035A	09/08/2020 6:12	09/08/2020 6:12	Taylor M. Pasquence
20I0216-04	EPA 5035A	09/08/2020 6:12	09/08/2020 6:12	Taylor M. Pasquence
20I0216-04RE1	EPA 5035A	09/08/2020 6:12	09/08/2020 6:12	Taylor M. Pasquence

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
20I0216-01	Total Solids	09/04/2020 7:59	09/04/2020 13:49	Sarah Kieck
20I0216-02	Total Solids	09/04/2020 7:59	09/04/2020 13:49	Sarah Kieck
20I0216-03	Total Solids	09/04/2020 7:59	09/04/2020 13:49	Sarah Kieck
20I0216-04	Total Solids	09/04/2020 7:59	09/04/2020 13:49	Sarah Kieck
20I0216-01	Volatile Organics, 8260 - Comprehens	09/08/2020 6:12	09/08/2020 17:41	Taylor M. Pasquence
20I0216-01RE1	Volatile Organics, 8260 - Comprehens	09/08/2020 6:12	09/11/2020 9:31	Taylor M. Pasquence
20I0216-02	Volatile Organics, 8260 - Comprehens	09/09/2020 6:42	09/09/2020 13:03	Taylor M. Pasquence
20I0216-03	Volatile Organics, 8260 - Comprehens	09/08/2020 6:12	09/08/2020 18:34	Taylor M. Pasquence

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
20I0216-04	Volatile Organics, 8260 - Comprehens	09/08/2020 6:12	09/08/2020 19:17	Taylor M. Pasquence
20I0216-04RE1	Volatile Organics, 8260 - Comprehens	09/08/2020 6:12	09/11/2020 16:29	Taylor M. Pasquence
20I0216-05	Volatile Organics, 8260 - Comprehens	09/11/2020 6:56	09/11/2020 16:28	Taylor M. Pasquence
20I0216-06	Volatile Organics, 8260 - Comprehens	09/08/2020 6:32	09/09/2020 0:58	Taylor M. Pasquence

YORK ANALYTICAL LABORATORIES
120 RESEARCH DR.
STRATFORD, CT 06615
(203) 325-1371
FAX (203) 357-0166

Field Chain-of-Custody Record

NOTE: York's Std. Terms & Conditions are listed on the back side of this document. This document serves as your written authorization to York to proceed with the analyses requested and your signature binds you to York's Std. Terms & Conditions.

York Project No. 20I0216

YOUR Information

Company: Walden Env. Engineering
Address: 16 Spring St
Oyster Bay NY 11771
Phone No. 516-624-7200
Contact Person: Nora Brew, P.E.
E-Mail Address: nbrew@waldenassociates.com

Report To:

Company:
Address:
Phone No.
Attention:
E-Mail Address:

Invoice To:

Company:
Address:
Phone No.
Attention:
E-Mail Address:

YOUR Project ID

IMPLO115.6-218
Lakeville Road, New Hyde Park

Purchase Order No.

IMPLO115.6

Samples from: CT ___ NY X NJ ___

Turn-Around Time

- RUSH - Same Day ☐
- RUSH - Next Day ☐
- RUSH - Two Day ☐
- RUSH - Three Day ☐
- RUSH - Four Day ☐
- Standard(5-7 Days) ☒

Report Type

- Summary Report ✓
- Summary w/ QA Summary
- CT RCP Package
- CTRCP DQA/DUE Pkg
- NY ASP A Package
- NY ASP B Package
- NJDEP Red. Deliv.

Electronic Data Deliverables (EDD)

- Simple Excel ✓
- NYSDEC EQuIS
- EQuIS (std)
- EZ-EDD (EQuIS)
- NJDEP SRP HazSite EDD
- GIS/KEY (std)
- Other

York Regulatory Comparison Excel Spreadsheet
Compare to the following Regs. (please fill in):

Print Clearly and Legibly. All Information must be complete. Samples will NOT be logged in and the turn-around time clock will not begin until any questions by York are resolved.

Samples Collected/Authorized By (Signature)

Erica Johnston

Name (printed)

Matrix Codes

S - soil
Other - specify(oil, etc.)
WW - wastewater
GW - groundwater
DW - drinking water
Air-A - ambient air
Air-SV - soil vapor

Volatiles		Semi-Vols.	Pest/PCB/Herb	Metals	Misc. Org.	Full Lists	Misc.
8260 full	TICs	8270 or 625	8082PCB	RCRA8	TPH GRO	Pri.Poll.	Corrosivity
624	Site Spec.	STARS list	8081Pest	PP13 list	TPH DRO	TCL Organics	Reactivity
STARS list	Nassau Co.	BN Only	8151Herb	TAL	CT ETPH	TAL Met/CN	Ignitability
BTEX	Suffolk Co.	Acids Only	CT RCP	CT15 list	NY 310-13	Full TCLP	Flash Point
MTBE	Ketones	PAH list	App. IX	TAGM list	TPH 1664	Full App. IX	Sieve Anal.
TCL list	Oxygenates	TAGM list	Site Spec.	NJDEP list	Air TO14A	Part 360-Routine	Heterotrophs
TAGM list	TCLP list	CT RCP list	SPLP or TCLP	Total	Air TO15	Part 360-Baseline	TOX
CT RCP list	524.2	TCL list	TCLP Pest	Dissolved	Air STARS	Part 360-Expanded No Dioxins/Furans	BTU/lb.
Arom. only	502.2	NJDEP list	TCLP Herb	SPLP or TCLP	Air VPH	Part 360-Expanded Full List	Aquatic Tox.
Halog.only	NJDEP list	App. IX	Chlordane	Indiv. Metals	Air TICs	NYCDEP Sewer	TOC
App.IX list	SPLP or TCLP	TCLP BNA	608 Pest	LIST Below	Methane	NYSDEC Sewer	Asbestos
8021B list		SPLP or TCLP	608 PCB		Helium	TAGM	Silica

Sample Identification	Date/Time Sampled	Sample Matrix	Choose Analyses Needed from the Menu Above and Enter Below	Container Description(s)
GB-17 (4-5)	9/3/20 13:25	S	VOCs via 5035	1 Terra Core set
GB-19 (2-4)	9/3/20 13:30	S		
GB-20 (4-6)	9/3/20 13:35	S		
GB-18 (2-4)	9/3/20 14:10			
FB-3	9/3/20 13:40	W		3 40ml vials w/HCl
TB-2	9/3/20	W		2 40ml vials w/HCl

Comments
Please compare results to NYSDEC Commercial + protection of GW SCOs

Preservation Check those Applicable
Special Instructions
Field Filtered ☐
Lab to Filter ☐

4°C ___ Frozen ___ HCl ✓ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___
ZnAc ___ Ascorbic Acid ___ Other DI water, methanol

Samples Relinquished By — Date/Time: 9/3/20 15:15
Samples Relinquished By — Date/Time: 9/3/20
Re-Ed/Jmt 9/3/20 1600

Samples Received By: TOM A — Date/Time: 9/3/20 1515
Samples Received in LAB by: KBlocton — Date/Time: 9/3/20 1808
Re-Ed/JM 9/3/20 1808

Temperature on Receipt 1.2 °C

York Analytical Laboratories, Inc.
SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Client Sample Id:	Lab Sample Id:
GB-17 (4-5)	20I0216-01
GB-17 (4-5)	20I0216-01RE1
GB-19 (2-4)	20I0216-02
GB-20 (4-6)	20I0216-03
GB-18 (2-4)	20I0216-04
GB-18 (2-4)	20I0216-04RE1
FB-3	20I0216-05
TB-2	20I0216-06

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the project narrative. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by

Signature: 
Name: Benjamin Gulizia

Date: 3/10/2021
Title: Laboratory Director

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1042
Instrument: QVOA9
Calibration: YH00024

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00428-BS1)			Lab File ID: QV913648.D		Analyzed: 09/08/20 23:16			
SURR: 1,2-Dichloroethane-d4	10.0	102	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	100	81 - 117	7.29	7.289778	0.0002	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	98.0	79 - 122	10.079	10.08067	-0.0017	+/-1.00	
LCS Dup (BI00428-BSD1)			Lab File ID: QV913649.D		Analyzed: 09/08/20 23:42			
SURR: 1,2-Dichloroethane-d4	10.0	104	69 - 130	5.432	5.432778	-0.0008	+/-1.00	
SURR: Toluene-d8	10.0	101	81 - 117	7.286	7.289778	-0.0038	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	102	79 - 122	10.079	10.08067	-0.0017	+/-1.00	
Blank (BI00428-BLK1)			Lab File ID: QV913651.D		Analyzed: 09/09/20 00:33			
SURR: 1,2-Dichloroethane-d4	10.0	109	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	103	81 - 117	7.287	7.289778	-0.0028	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	98.2	79 - 122	10.079	10.08067	-0.0017	+/-1.00	
TB-2 (20I0216-06)			Lab File ID: QV913652.D		Analyzed: 09/09/20 00:58			
SURR: 1,2-Dichloroethane-d4	10.0	104	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	102	81 - 117	7.287	7.289778	-0.0028	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	101	79 - 122	10.082	10.08067	0.0013	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Sequence: Y0I1045 Instrument: QVOA4

Calibration: YH00003

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00456-BS1)			Lab File ID: QV414081.D		Analyzed: 09/08/20 11:08			
SURR: 1,2-Dichloroethane-d4	50.0	101	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.6	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	97.4	76 - 130	9.106	9.104667	0.0013	+/-1.00	
LCS Dup (BI00456-BSD1)			Lab File ID: QV414082.D		Analyzed: 09/08/20 11:35			
SURR: 1,2-Dichloroethane-d4	50.0	101	77 - 125	4.61	4.6085	0.0015	+/-1.00	
SURR: Toluene-d8	50.0	100	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	99.1	76 - 130	9.106	9.104667	0.0013	+/-1.00	
Blank (BI00456-BLK1)			Lab File ID: QV414083.D		Analyzed: 09/08/20 12:01			
SURR: 1,2-Dichloroethane-d4	50.0	102	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	102	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	104	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
GB-17 (4-5) (20I0216-01)			Lab File ID: QV414096.D		Analyzed: 09/08/20 17:41			
SURR: 1,2-Dichloroethane-d4	50.0	104	77 - 125	4.605	4.6085	-0.0035	+/-1.00	
SURR: Toluene-d8	50.0	110	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	119	76 - 130	9.106	9.104667	0.0013	+/-1.00	
GB-20 (4-6) (20I0216-03)			Lab File ID: QV414098.D		Analyzed: 09/08/20 18:34			
SURR: 1,2-Dichloroethane-d4	50.0	102	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	100	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	104	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
GB-18 (2-4) (20I0216-04)			Lab File ID: QV414099.D		Analyzed: 09/08/20 19:17			
SURR: 1,2-Dichloroethane-d4	50.0	103	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	104	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	105	76 - 130	9.103	9.104667	-0.0017	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1141
Instrument: QVOA4
Calibration: YH00003

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00637-BS1)			Lab File ID: QV414110.D		Analyzed: 09/09/20 10:52			
SURR: 1,2-Dichloroethane-d4	50.0	88.7	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	100	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	90.3	76 - 130	9.104	9.104667	-0.0007	+/-1.00	
LCS Dup (BI00637-BSD1)			Lab File ID: QV414111.D		Analyzed: 09/09/20 11:18			
SURR: 1,2-Dichloroethane-d4	50.0	90.2	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.1	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	91.4	76 - 130	9.106	9.104667	0.0013	+/-1.00	
Blank (BI00637-BLK1)			Lab File ID: QV414112.D		Analyzed: 09/09/20 11:44			
SURR: 1,2-Dichloroethane-d4	50.0	86.6	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.9	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	96.2	76 - 130	9.104	9.104667	-0.0007	+/-1.00	
GB-19 (2-4) (20I0216-02)			Lab File ID: QV414115.D		Analyzed: 09/09/20 13:03			
SURR: 1,2-Dichloroethane-d4	50.0	94.3	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	100	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	98.3	76 - 130	9.104	9.104667	-0.0007	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1143
Instrument: QVOA9
Calibration: YH00024

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00638-BS1)			Lab File ID: QV913751.D		Analyzed: 09/11/20 10:46			
SURR: 1,2-Dichloroethane-d4	10.0	99.9	69 - 130	5.433	5.432778	0.0002	+/-1.00	
SURR: Toluene-d8	10.0	103	81 - 117	7.292	7.289778	0.0022	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	101	79 - 122	10.082	10.08067	0.0013	+/-1.00	
LCS Dup (BI00638-BSD1)			Lab File ID: QV913752.D		Analyzed: 09/11/20 11:12			
SURR: 1,2-Dichloroethane-d4	10.0	104	69 - 130	5.433	5.432778	0.0002	+/-1.00	
SURR: Toluene-d8	10.0	101	81 - 117	7.287	7.289778	-0.0028	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	101	79 - 122	10.082	10.08067	0.0013	+/-1.00	
Blank (BI00638-BLK1)			Lab File ID: QV913754.D		Analyzed: 09/11/20 12:03			
SURR: 1,2-Dichloroethane-d4	10.0	112	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	102	81 - 117	7.289	7.289778	-0.0008	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	100	79 - 122	10.079	10.08067	-0.0017	+/-1.00	
FB-3 (20I0216-05)			Lab File ID: QV913762.D		Analyzed: 09/11/20 16:28			
SURR: 1,2-Dichloroethane-d4	10.0	109	69 - 130	5.43	5.432778	-0.0028	+/-1.00	
SURR: Toluene-d8	10.0	102	81 - 117	7.289	7.289778	-0.0008	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	96.8	79 - 122	10.079	10.08067	-0.0017	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1145
Instrument: QVOA1
Calibration: YH00005

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BI00602-BS1)			Lab File ID: QV115748.D		Analyzed: 09/11/20 00:25			
SURR: 1,2-Dichloroethane-d4	50.0	95.1	77 - 125	4.698	4.699	-0.0010	+/-1.00	
SURR: Toluene-d8	50.0	101	85 - 120	6.515	6.515	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	93.8	76 - 130	9.236	9.238	-0.0020	+/-1.00	
LCS Dup (BI00602-BSD1)			Lab File ID: QV115749.D		Analyzed: 09/11/20 00:52			
SURR: 1,2-Dichloroethane-d4	50.0	97.5	77 - 125	4.701	4.699	0.0020	+/-1.00	
SURR: Toluene-d8	50.0	102	85 - 120	6.513	6.515	-0.0020	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	94.7	76 - 130	9.236	9.238	-0.0020	+/-1.00	
Blank (BI00602-BLK1)			Lab File ID: QV115750.D		Analyzed: 09/11/20 01:20			
SURR: 1,2-Dichloroethane-d4	50.0	98.7	77 - 125	4.699	4.699	0.0000	+/-1.00	
SURR: Toluene-d8	50.0	100	85 - 120	6.515	6.515	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	95.0	76 - 130	9.236	9.238	-0.0020	+/-1.00	
Blank (BI00602-BLK2)			Lab File ID: QV115751.D		Analyzed: 09/11/20 01:47			
SURR: 1,2-Dichloroethane-d4	50.0	98.5	77 - 125	4.698	4.699	-0.0010	+/-1.00	
SURR: Toluene-d8	50.0	101	85 - 120	6.515	6.515	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	93.7	76 - 130	9.239	9.238	0.0010	+/-1.00	
GB-17 (4-5) (20I0216-01RE1)			Lab File ID: QV115768.D		Analyzed: 09/11/20 09:31			
SURR: 1,2-Dichloroethane-d4	50.0	98.6	77 - 125	4.699	4.699	0.0000	+/-1.00	
SURR: Toluene-d8	50.0	101	85 - 120	6.513	6.515	-0.0020	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	95.9	76 - 130	9.236	9.238	-0.0020	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Sequence: Y0I1147 Instrument: QVOA4

Calibration: YH00003

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
Blank (BI00641-BLK1)			Lab File ID: QV414183.D		Analyzed: 09/11/20 13:26			
SURR: 1,2-Dichloroethane-d4	50.0	77.0	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	100	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	98.3	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
LCS (BI00641-BS1)			Lab File ID: QV414185.D		Analyzed: 09/11/20 14:18			
SURR: 1,2-Dichloroethane-d4	50.0	78.9	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.2	85 - 120	6.368	6.369	-0.0010	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	88.3	76 - 130	9.106	9.104667	0.0013	+/-1.00	
Blank (BI00641-BLK2)			Lab File ID: QV414186.D		Analyzed: 09/11/20 14:44			
SURR: 1,2-Dichloroethane-d4	50.0	77.7	77 - 125	4.607	4.6085	-0.0015	+/-1.00	
SURR: Toluene-d8	50.0	99.8	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	98.0	76 - 130	9.103	9.104667	-0.0017	+/-1.00	
LCS Dup (BI00641-BSD1)			Lab File ID: QV414187.D		Analyzed: 09/11/20 15:10			
SURR: 1,2-Dichloroethane-d4	50.0	77.0	77 - 125	4.61	4.6085	0.0015	+/-1.00	
SURR: Toluene-d8	50.0	100	85 - 120	6.369	6.369	0.0000	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	88.9	76 - 130	9.104	9.104667	-0.0007	+/-1.00	
GB-18 (2-4) (20I0216-04RE1)			Lab File ID: QV414190.D		Analyzed: 09/11/20 16:29			
SURR: 1,2-Dichloroethane-d4	50.0	76.4	77 - 125	4.607	4.6085	-0.0015	+/-1.00	*
SURR: Toluene-d8	50.0	100	85 - 120	6.366	6.369	-0.0030	+/-1.00	
SURR: p-Bromofluorobenzene	50.0	97.0	76 - 130	9.103	9.104667	-0.0017	+/-1.00	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water		
Batch:	BI00428	Laboratory ID:	BI00428-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.8	98.4	82 - 126
1,1,1-Trichloroethane	10.0	9.6	96.5	78 - 136
1,1,2,2-Tetrachloroethane	10.0	8.8	88.5	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	9.2	92.1	54 - 165
1,1,2-Trichloroethane	10.0	9.1	90.9	82 - 123
1,1-Dichloroethane	10.0	8.7	87.4	82 - 129
1,1-Dichloroethylene	10.0	9.1	90.9	68 - 138
1,2,3-Trichlorobenzene	10.0	8.9	88.7	40 - 130
1,2,3-Trichloropropane	10.0	9.4	93.5	77 - 128
1,2,4-Trichlorobenzene	10.0	9.1	91.0	65 - 137
1,2,4-Trimethylbenzene	10.0	9.8	98.3	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.8	87.6	45 - 147
1,2-Dibromoethane	10.0	9.2	91.5	83 - 124
1,2-Dichlorobenzene	10.0	9.5	95.2	79 - 123
1,2-Dichloroethane	10.0	9.0	89.8	73 - 132
1,2-Dichloropropane	10.0	8.8	88.0	78 - 126
1,3,5-Trimethylbenzene	10.0	9.9	99.1	80 - 131
1,3-Dichlorobenzene	10.0	9.4	94.4	86 - 130
1,4-Dichlorobenzene	10.0	9.5	95.2	85 - 130
1,4-Dioxane	210	220	104	10 - 349
2-Butanone	10.0	10	104	49 - 152
2-Hexanone	10.0	8.9	88.6	51 - 146
4-Methyl-2-pentanone	10.0	8.5	85.0	57 - 145
Acetone	10.0	9.2	92.0	14 - 150
Acrolein	10.0	5.5	54.8	10 - 153
Acrylonitrile	10.0	7.7	77.0	51 - 150
Benzene	10.0	9.1	90.8	85 - 126
Bromochloromethane	10.0	8.3	83.0	77 - 128
Bromodichloromethane	10.0	9.4	94.5	79 - 128
Bromoform	10.0	8.8	88.0	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water		
Batch:	BI00428	Laboratory ID:	BI00428-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	4.5	45.0	43 - 168
Carbon disulfide	10.0	8.6	86.0	68 - 146
Carbon tetrachloride	10.0	9.7	96.7	77 - 141
Chlorobenzene	10.0	9.5	95.3	88 - 120
Chloroethane	10.0	10	104	65 - 136
Chloroform	10.0	9.2	92.2	82 - 128
Chloromethane	10.0	7.3	73.1	43 - 155
cis-1,2-Dichloroethylene	10.0	9.1	90.8	83 - 129
cis-1,3-Dichloropropylene	10.0	9.2	92.3	80 - 131
Cyclohexane	10.0	9.1	91.4	63 - 149
Dibromochloromethane	10.0	9.4	94.4	80 - 130
Dibromomethane	10.0	8.9	88.9	72 - 134
Dichlorodifluoromethane	10.0	7.6	75.8	44 - 144
Ethyl Benzene	10.0	10	100	80 - 131
Hexachlorobutadiene	10.0	9.7	96.6	67 - 146
Isopropylbenzene	10.0	9.6	96.3	76 - 140
Methyl acetate	10.0	8.0	79.9	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.0	89.8	76 - 135
Methylcyclohexane	10.0	9.6	96.4	72 - 143
Methylene chloride	10.0	8.3	83.0	55 - 137
n-Butylbenzene	10.0	10	101	79 - 132
n-Propylbenzene	10.0	9.6	96.4	78 - 133
o-Xylene	10.0	9.8	98.5	78 - 130
p- & m- Xylenes	20.0	20	99.6	77 - 133
p-Isopropyltoluene	10.0	10	99.8	81 - 136
sec-Butylbenzene	10.0	10	104	79 - 137
Styrene	10.0	10	102	67 - 132
tert-Butyl alcohol (TBA)	50.0	36	71.4	25 - 162
tert-Butylbenzene	10.0	8.6	86.3	77 - 138
Tetrachloroethylene	10.0	9.9	98.8	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water		
Batch:	BI00428	Laboratory ID:	BI00428-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	10.0	9.6	96.1	80 - 127
trans-1,2-Dichloroethylene	10.0	9.1	90.6	80 - 132
trans-1,3-Dichloropropylene	10.0	9.0	89.6	78 - 131
trans-1,4-dichloro-2-butene	10.0	8.8	87.9	63 - 141
Trichloroethylene	10.0	9.7	97.4	82 - 128
Trichlorofluoromethane	10.0	9.7	97.0	67 - 139
Vinyl Chloride	10.0	8.4	83.7	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Water
Batch: BI00428
Laboratory ID: BI00428-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.6	96.5	1.95	30	82 - 126
1,1,1-Trichloroethane	10.0	9.2	91.6	5.21	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.2	91.7	3.55	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.7	86.8	5.93	30	54 - 165
1,1,2-Trichloroethane	10.0	8.6	86.1	5.42	30	82 - 123
1,1-Dichloroethane	10.0	8.4	83.6	4.44	30	82 - 129
1,1-Dichloroethylene	10.0	8.5	85.2	6.47	30	68 - 138
1,2,3-Trichlorobenzene	10.0	8.7	87.3	1.59	30	40 - 130
1,2,3-Trichloropropane	10.0	9.5	95.3	1.91	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.2	91.5	0.548	30	65 - 137
1,2,4-Trimethylbenzene	10.0	10	99.9	1.61	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.8	87.6	0.00	30	45 - 147
1,2-Dibromoethane	10.0	8.8	88.1	3.79	30	83 - 124
1,2-Dichlorobenzene	10.0	9.7	97.3	2.18	30	79 - 123
1,2-Dichloroethane	10.0	8.8	88.4	1.57	30	73 - 132
1,2-Dichloropropane	10.0	8.6	85.6	2.76	30	78 - 126
1,3,5-Trimethylbenzene	10.0	9.8	98.2	0.912	30	80 - 131
1,3-Dichlorobenzene	10.0	9.5	94.8	0.423	30	86 - 130
1,4-Dichlorobenzene	10.0	9.5	95.0	0.210	30	85 - 130
1,4-Dioxane	210	200	96.7	6.84	30	10 - 349
2-Butanone	10.0	9.9	98.6	5.14	30	49 - 152
2-Hexanone	10.0	9.1	90.6	2.23	30	51 - 146
4-Methyl-2-pentanone	10.0	8.7	87.3	2.67	30	57 - 145
Acetone	10.0	9.3	93.0	1.08	30	14 - 150
Acrolein	10.0	5.4	54.0	1.47	30	10 - 153
Acrylonitrile	10.0	7.3	73.4	4.79	30	51 - 150
Benzene	10.0	8.5	85.2	6.36	30	85 - 126
Bromochloromethane	10.0	8.0	80.3	3.31	30	77 - 128
Bromodichloromethane	10.0	9.1	90.8	3.99	30	79 - 128
Bromoform	10.0	8.7	87.2	0.913	30	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Water
Batch: BI00428
Laboratory ID: BI00428-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	10.0	4.2	42.4	*	5.95	30	43 - 168
Carbon disulfide	10.0	8.1	80.6		6.48	30	68 - 146
Carbon tetrachloride	10.0	9.2	92.3		4.66	30	77 - 141
Chlorobenzene	10.0	9.2	92.0		3.52	30	88 - 120
Chloroethane	10.0	9.6	96.3		7.40	30	65 - 136
Chloroform	10.0	8.8	87.9		4.78	30	82 - 128
Chloromethane	10.0	6.9	69.0		5.77	30	43 - 155
cis-1,2-Dichloroethylene	10.0	8.6	86.3		5.08	30	83 - 129
cis-1,3-Dichloropropylene	10.0	8.9	88.9		3.75	30	80 - 131
Cyclohexane	10.0	8.7	86.9		5.05	30	63 - 149
Dibromochloromethane	10.0	9.1	91.3		3.34	30	80 - 130
Dibromomethane	10.0	8.6	86.3		2.97	30	72 - 134
Dichlorodifluoromethane	10.0	7.1	71.0		6.54	30	44 - 144
Ethyl Benzene	10.0	9.6	96.4		4.07	30	80 - 131
Hexachlorobutadiene	10.0	9.4	94.2		2.52	30	67 - 146
Isopropylbenzene	10.0	9.4	94.2		2.20	30	76 - 140
Methyl acetate	10.0	7.7	76.9		3.83	30	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	8.6	86.4		3.86	30	76 - 135
Methylcyclohexane	10.0	8.8	87.8		9.34	30	72 - 143
Methylene chloride	10.0	7.9	78.9		5.06	30	55 - 137
n-Butylbenzene	10.0	9.5	95.4		5.80	30	79 - 132
n-Propylbenzene	10.0	9.6	95.6		0.833	30	78 - 133
o-Xylene	10.0	9.4	94.5		4.15	30	78 - 130
p- & m- Xylenes	20.0	19	96.0		3.68	30	77 - 133
p-Isopropyltoluene	10.0	9.8	98.5		1.31	30	81 - 136
sec-Butylbenzene	10.0	10	103		1.45	30	79 - 137
Styrene	10.0	9.7	97.3		4.72	30	67 - 132
tert-Butyl alcohol (TBA)	50.0	35	70.3		1.55	30	25 - 162
tert-Butylbenzene	10.0	8.6	86.4		0.116	30	77 - 138
Tetrachloroethylene	10.0	9.4	94.5		4.45	30	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Water
Batch: BI00428
Laboratory ID: BI00428-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	10.0	9.2	92.0	4.36	30	80 - 127
trans-1,2-Dichloroethylene	10.0	8.8	87.9	3.03	30	80 - 132
trans-1,3-Dichloropropylene	10.0	8.6	85.8	4.33	30	78 - 131
trans-1,4-dichloro-2-butene	10.0	9.0	90.4	2.80	30	63 - 141
Trichloroethylene	10.0	9.1	91.2	6.57	30	82 - 128
Trichlorofluoromethane	10.0	9.3	93.3	3.89	30	67 - 139
Vinyl Chloride	10.0	7.9	78.7	6.16	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00456
Laboratory ID: BI00456-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	39	78.3	75 - 129
1,1,1-Trichloroethane	50.0	49	98.2	71 - 137
1,1,2,2-Tetrachloroethane	50.0	51	101	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	52	105	58 - 146
1,1,2-Trichloroethane	50.0	48	96.9	83 - 123
1,1-Dichloroethane	50.0	46	92.8	75 - 130
1,1-Dichloroethylene	50.0	48	96.3	64 - 137
1,2,3-Trichlorobenzene	50.0	52	104	81 - 140
1,2,3-Trichloropropane	50.0	49	97.9	81 - 126
1,2,4-Trichlorobenzene	50.0	50	99.8	80 - 141
1,2,4-Trimethylbenzene	50.0	45	90.5	84 - 125
1,2-Dibromo-3-chloropropane	50.0	54	107	74 - 142
1,2-Dibromoethane	50.0	49	97.1	86 - 123
1,2-Dichlorobenzene	50.0	48	95.9	85 - 122
1,2-Dichloroethane	50.0	48	95.6	71 - 133
1,2-Dichloropropane	50.0	45	89.7	81 - 122
1,3,5-Trimethylbenzene	50.0	47	93.1	82 - 126
1,3-Dichlorobenzene	50.0	48	95.0	84 - 124
1,4-Dichlorobenzene	50.0	47	94.3	84 - 124
1,4-Dioxane	1050	1200	111	10 - 228
2-Butanone	50.0	57	114	58 - 147
2-Hexanone	50.0	54	107	70 - 139
4-Methyl-2-pentanone	50.0	54	108	72 - 132
Acetone	50.0	38	76.4	36 - 155
Acrolein	50.0	72	145	10 - 238
Acrylonitrile	50.0	53	106	66 - 141
Benzene	50.0	48	96.9	77 - 127
Bromochloromethane	50.0	48	96.9	74 - 129
Bromodichloromethane	50.0	49	98.3	81 - 124
Bromoform	50.0	42	84.4	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00456
Laboratory ID: BI00456-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	50.0	76	152	32 - 177
Carbon disulfide	50.0	48	95.3	10 - 136
Carbon tetrachloride	50.0	53	107	66 - 143
Chlorobenzene	50.0	47	94.7	86 - 120
Chloroethane	50.0	76	152 *	51 - 142
Chloroform	50.0	48	97.0	76 - 131
Chloromethane	50.0	61	122	49 - 132
cis-1,2-Dichloroethylene	50.0	47	94.5	74 - 132
cis-1,3-Dichloropropylene	50.0	48	95.6	81 - 129
Cyclohexane	50.0	47	93.7	70 - 130
Dibromochloromethane	50.0	54	108	10 - 200
Dibromomethane	50.0	48	96.6	83 - 124
Dichlorodifluoromethane	50.0	53	106	28 - 158
Ethyl Benzene	50.0	47	93.5	84 - 125
Hexachlorobutadiene	50.0	50	100	83 - 133
Isopropylbenzene	50.0	46	91.3	81 - 127
Methyl acetate	50.0	44	87.9	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	48	96.2	74 - 131
Methylcyclohexane	50.0	46	92.3	70 - 130
Methylene chloride	50.0	51	101	57 - 141
n-Butylbenzene	50.0	47	94.7	80 - 130
n-Propylbenzene	50.0	46	92.8	74 - 136
o-Xylene	50.0	46	91.7	83 - 123
p- & m- Xylenes	100	95	95.1	82 - 128
p-Isopropyltoluene	50.0	48	95.4	85 - 125
sec-Butylbenzene	50.0	50	99.4	83 - 125
Styrene	50.0	48	95.1	86 - 126
tert-Butyl alcohol (TBA)	250	250	101	70 - 130
tert-Butylbenzene	50.0	46	91.4	80 - 127
Tetrachloroethylene	50.0	44	88.2	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil		
Batch:	BI00456	Laboratory ID:	BI00456-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	50.0	47	94.0	85 - 121
trans-1,2-Dichloroethylene	50.0	48	96.0	72 - 132
trans-1,3-Dichloropropylene	50.0	47	94.1	78 - 132
trans-1,4-dichloro-2-butene	50.0	51	103	75 - 135
Trichloroethylene	50.0	48	95.9	84 - 123
Trichlorofluoromethane	50.0	60	121	62 - 140
Vinyl Chloride	50.0	68	137 *	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00456
Laboratory ID: BI00456-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	41	82.5	5.22	30	75 - 129
1,1,1-Trichloroethane	50.0	52	104	5.87	30	71 - 137
1,1,2,2-Tetrachloroethane	50.0	54	109	6.98	30	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	54	109	3.49	30	58 - 146
1,1,2-Trichloroethane	50.0	50	100	3.55	30	83 - 123
1,1-Dichloroethane	50.0	48	96.2	3.64	30	75 - 130
1,1-Dichloroethylene	50.0	51	102	6.08	30	64 - 137
1,2,3-Trichlorobenzene	50.0	55	111	6.49	30	81 - 140
1,2,3-Trichloropropane	50.0	53	105	7.15	30	81 - 126
1,2,4-Trichlorobenzene	50.0	55	109	9.07	30	80 - 141
1,2,4-Trimethylbenzene	50.0	49	97.6	7.57	30	84 - 125
1,2-Dibromo-3-chloropropane	50.0	57	114	6.31	30	74 - 142
1,2-Dibromoethane	50.0	51	102	4.88	30	86 - 123
1,2-Dichlorobenzene	50.0	51	102	6.01	30	85 - 122
1,2-Dichloroethane	50.0	50	101	5.34	30	71 - 133
1,2-Dichloropropane	50.0	48	95.2	5.95	30	81 - 122
1,3,5-Trimethylbenzene	50.0	51	102	8.63	30	82 - 126
1,3-Dichlorobenzene	50.0	51	103	7.93	30	84 - 124
1,4-Dichlorobenzene	50.0	50	101	6.86	30	84 - 124
1,4-Dioxane	1050	1200	113	1.59	30	10 - 228
2-Butanone	50.0	60	120	4.34	30	58 - 147
2-Hexanone	50.0	57	113	5.44	30	70 - 139
4-Methyl-2-pentanone	50.0	57	113	4.71	30	72 - 132
Acetone	50.0	38	76.7	0.444	30	36 - 155
Acrolein	50.0	81	161	10.9	30	10 - 238
Acrylonitrile	50.0	55	110	3.18	30	66 - 141
Benzene	50.0	51	102	5.23	30	77 - 127
Bromochloromethane	50.0	49	98.7	1.82	30	74 - 129
Bromodichloromethane	50.0	52	105	6.40	30	81 - 124
Bromoform	50.0	45	90.0	6.51	30	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00456
Laboratory ID: BI00456-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	50.0	76	152	0.342	30	32 - 177
Carbon disulfide	50.0	50	100	4.83	30	10 - 136
Carbon tetrachloride	50.0	56	112	4.80	30	66 - 143
Chlorobenzene	50.0	51	101	6.70	30	86 - 120
Chloroethane	50.0	76	151 *	0.106	30	51 - 142
Chloroform	50.0	51	101	4.52	30	76 - 131
Chloromethane	50.0	64	127	4.03	30	49 - 132
cis-1,2-Dichloroethylene	50.0	49	97.3	2.94	30	74 - 132
cis-1,3-Dichloropropylene	50.0	51	101	5.59	30	81 - 129
Cyclohexane	50.0	49	98.9	5.34	30	70 - 130
Dibromochloromethane	50.0	56	113	3.86	30	10 - 200
Dibromomethane	50.0	50	100	3.74	30	83 - 124
Dichlorodifluoromethane	50.0	56	112	5.45	30	28 - 158
Ethyl Benzene	50.0	50	101	7.19	30	84 - 125
Hexachlorobutadiene	50.0	54	108	7.66	30	83 - 133
Isopropylbenzene	50.0	50	99.3	8.38	30	81 - 127
Methyl acetate	50.0	45	90.8	3.24	30	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	51	101	5.10	30	74 - 131
Methylcyclohexane	50.0	49	98.5	6.50	30	70 - 130
Methylene chloride	50.0	52	104	3.10	30	57 - 141
n-Butylbenzene	50.0	53	107	11.9	30	80 - 130
n-Propylbenzene	50.0	50	100	7.99	30	74 - 136
o-Xylene	50.0	49	98.4	7.09	30	83 - 123
p- & m- Xylenes	100	100	101	5.71	30	82 - 128
p-Isopropyltoluene	50.0	52	103	7.95	30	85 - 125
sec-Butylbenzene	50.0	54	107	7.63	30	83 - 125
Styrene	50.0	51	102	6.96	30	86 - 126
tert-Butyl alcohol (TBA)	250	270	106	5.27	30	70 - 130
tert-Butylbenzene	50.0	50	99.9	8.80	30	80 - 127
Tetrachloroethylene	50.0	47	93.9	6.30	30	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00456
Laboratory ID: BI00456-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.0	50	100	6.24	30	85 - 121
trans-1,2-Dichloroethylene	50.0	50	100	4.46	30	72 - 132
trans-1,3-Dichloropropylene	50.0	50	100	6.32	30	78 - 132
trans-1,4-dichloro-2-butene	50.0	55	110	6.84	30	75 - 135
Trichloroethylene	50.0	52	103	7.54	30	84 - 123
Trichlorofluoromethane	50.0	63	125	3.72	30	62 - 140
Vinyl Chloride	50.0	74	147 *	7.15	30	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00602
Laboratory ID: BI00602-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	47	93.5	75 - 129
1,1,1-Trichloroethane	50.0	45	90.6	71 - 137
1,1,2,2-Tetrachloroethane	50.0	49	98.7	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	52	104	58 - 146
1,1,2-Trichloroethane	50.0	48	96.5	83 - 123
1,1-Dichloroethane	50.0	46	92.1	75 - 130
1,1-Dichloroethylene	50.0	51	102	64 - 137
1,2,3-Trichlorobenzene	50.0	47	94.6	81 - 140
1,2,3-Trichloropropane	50.0	47	93.9	81 - 126
1,2,4-Trichlorobenzene	50.0	46	91.6	80 - 141
1,2,4-Trimethylbenzene	50.0	48	95.1	84 - 125
1,2-Dibromo-3-chloropropane	50.0	45	89.7	74 - 142
1,2-Dibromoethane	50.0	47	95.0	86 - 123
1,2-Dichlorobenzene	50.0	47	94.0	85 - 122
1,2-Dichloroethane	50.0	45	89.5	71 - 133
1,2-Dichloropropane	50.0	47	93.6	81 - 122
1,3,5-Trimethylbenzene	50.0	47	94.9	82 - 126
1,3-Dichlorobenzene	50.0	46	92.3	84 - 124
1,4-Dichlorobenzene	50.0	46	92.3	84 - 124
1,4-Dioxane	1050	1000	99.2	10 - 228
2-Butanone	50.0	50	99.9	58 - 147
2-Hexanone	50.0	48	95.3	70 - 139
4-Methyl-2-pentanone	50.0	48	96.4	72 - 132
Acetone	50.0	40	79.6	36 - 155
Acrolein	50.0	23	46.7	10 - 238
Acrylonitrile	50.0	49	97.3	66 - 141
Benzene	50.0	50	99.3	77 - 127
Bromochloromethane	50.0	47	94.9	74 - 129
Bromodichloromethane	50.0	46	92.7	81 - 124
Bromoform	50.0	48	96.2	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00602
Laboratory ID: BI00602-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	50.0	68	135	32 - 177
Carbon disulfide	50.0	53	106	10 - 136
Carbon tetrachloride	50.0	46	92.1	66 - 143
Chlorobenzene	50.0	48	95.3	86 - 120
Chloroethane	50.0	89	177 *	51 - 142
Chloroform	50.0	46	91.9	76 - 131
Chloromethane	50.0	69	139 *	49 - 132
cis-1,2-Dichloroethylene	50.0	47	94.4	74 - 132
cis-1,3-Dichloropropylene	50.0	46	91.4	81 - 129
Cyclohexane	50.0	51	102	70 - 130
Dibromochloromethane	50.0	49	97.1	10 - 200
Dibromomethane	50.0	46	91.1	83 - 124
Dichlorodifluoromethane	50.0	96	193 *	28 - 158
Ethyl Benzene	50.0	48	96.4	84 - 125
Hexachlorobutadiene	50.0	47	93.2	83 - 133
Isopropylbenzene	50.0	46	92.6	81 - 127
Methyl acetate	50.0	45	90.8	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	47	93.9	74 - 131
Methylcyclohexane	50.0	51	102	70 - 130
Methylene chloride	50.0	50	101	57 - 141
n-Butylbenzene	50.0	47	94.8	80 - 130
n-Propylbenzene	50.0	47	94.3	74 - 136
o-Xylene	50.0	47	94.0	83 - 123
p- & m- Xylenes	100	95	95.0	82 - 128
p-Isopropyltoluene	50.0	48	95.0	85 - 125
sec-Butylbenzene	50.0	50	99.7	83 - 125
Styrene	50.0	49	98.7	86 - 126
tert-Butyl alcohol (TBA)	250	190	76.1	70 - 130
tert-Butylbenzene	50.0	42	83.4	80 - 127
Tetrachloroethylene	50.0	41	82.5	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil		
Batch:	BI00602	Laboratory ID:	BI00602-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	50.0	48	96.2	85 - 121
trans-1,2-Dichloroethylene	50.0	50	99.7	72 - 132
trans-1,3-Dichloropropylene	50.0	44	87.4	78 - 132
trans-1,4-dichloro-2-butene	50.0	46	92.8	75 - 135
Trichloroethylene	50.0	47	93.2	84 - 123
Trichlorofluoromethane	50.0	68	136	62 - 140
Vinyl Chloride	50.0	75	149 *	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00602
Laboratory ID: BI00602-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	51	102	8.56	30	75 - 129
1,1,1-Trichloroethane	50.0	50	99.9	9.78	30	71 - 137
1,1,2,2-Tetrachloroethane	50.0	54	108	8.97	30	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	56	112	7.41	30	58 - 146
1,1,2-Trichloroethane	50.0	53	106	9.27	30	83 - 123
1,1-Dichloroethane	50.0	50	99.3	7.52	30	75 - 130
1,1-Dichloroethylene	50.0	55	110	8.20	30	64 - 137
1,2,3-Trichlorobenzene	50.0	52	103	8.66	30	81 - 140
1,2,3-Trichloropropane	50.0	52	104	10.2	30	81 - 126
1,2,4-Trichlorobenzene	50.0	52	103	11.7	30	80 - 141
1,2,4-Trimethylbenzene	50.0	51	102	6.88	30	84 - 125
1,2-Dibromo-3-chloropropane	50.0	52	103	13.9	30	74 - 142
1,2-Dibromoethane	50.0	52	104	9.18	30	86 - 123
1,2-Dichlorobenzene	50.0	51	102	8.63	30	85 - 122
1,2-Dichloroethane	50.0	49	98.9	10.0	30	71 - 133
1,2-Dichloropropane	50.0	51	102	8.76	30	81 - 122
1,3,5-Trimethylbenzene	50.0	51	101	6.36	30	82 - 126
1,3-Dichlorobenzene	50.0	50	100	8.11	30	84 - 124
1,4-Dichlorobenzene	50.0	50	100	7.97	30	84 - 124
1,4-Dioxane	1050	1200	119	17.9	30	10 - 228
2-Butanone	50.0	59	118	16.8	30	58 - 147
2-Hexanone	50.0	55	110	14.3	30	70 - 139
4-Methyl-2-pentanone	50.0	54	109	12.3	30	72 - 132
Acetone	50.0	44	87.3	9.30	30	36 - 155
Acrolein	50.0	27	53.6	13.8	30	10 - 238
Acrylonitrile	50.0	58	116	17.2	30	66 - 141
Benzene	50.0	55	109	9.62	30	77 - 127
Bromochloromethane	50.0	52	105	9.82	30	74 - 129
Bromodichloromethane	50.0	51	102	9.11	30	81 - 124
Bromoform	50.0	55	110	13.0	30	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00602
Laboratory ID: BI00602-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	50.0	73	147		8.15	30	32 - 177
Carbon disulfide	50.0	59	119		11.7	30	10 - 136
Carbon tetrachloride	50.0	50	100		8.47	30	66 - 143
Chlorobenzene	50.0	52	104		8.77	30	86 - 120
Chloroethane	50.0	95	190	*	6.97	30	51 - 142
Chloroform	50.0	50	101		9.42	30	76 - 131
Chloromethane	50.0	76	152	*	9.24	30	49 - 132
cis-1,2-Dichloroethylene	50.0	52	104		9.29	30	74 - 132
cis-1,3-Dichloropropylene	50.0	51	101		10.0	30	81 - 129
Cyclohexane	50.0	55	111		8.02	30	70 - 130
Dibromochloromethane	50.0	53	106		8.84	30	10 - 200
Dibromomethane	50.0	50	99.5		8.88	30	83 - 124
Dichlorodifluoromethane	50.0	100	207	*	7.08	30	28 - 158
Ethyl Benzene	50.0	52	104		7.49	30	84 - 125
Hexachlorobutadiene	50.0	50	100		7.24	30	83 - 133
Isopropylbenzene	50.0	49	98.8		6.50	30	81 - 127
Methyl acetate	50.0	52	104		13.9	30	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	52	104		10.6	30	74 - 131
Methylcyclohexane	50.0	55	110		7.36	30	70 - 130
Methylene chloride	50.0	55	110		8.70	30	57 - 141
n-Butylbenzene	50.0	51	102		7.34	30	80 - 130
n-Propylbenzene	50.0	50	100		5.97	30	74 - 136
o-Xylene	50.0	51	102		7.71	30	83 - 123
p- & m- Xylenes	100	100	102		7.49	30	82 - 128
p-Isopropyltoluene	50.0	51	102		7.12	30	85 - 125
sec-Butylbenzene	50.0	53	106		5.82	30	83 - 125
Styrene	50.0	53	107		7.98	30	86 - 126
tert-Butyl alcohol (TBA)	250	240	96.9		24.1	30	70 - 130
tert-Butylbenzene	50.0	44	87.7		5.00	30	80 - 127
Tetrachloroethylene	50.0	44	88.1		6.52	30	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil		
Batch:	BI00602	Laboratory ID:	BI00602-BSD1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.0	52	104	7.41	30	85 - 121
trans-1,2-Dichloroethylene	50.0	54	108	7.99	30	72 - 132
trans-1,3-Dichloropropylene	50.0	48	96.5	9.94	30	78 - 132
trans-1,4-dichloro-2-butene	50.0	53	107	13.9	30	75 - 135
Trichloroethylene	50.0	50	101	7.99	30	84 - 123
Trichlorofluoromethane	50.0	73	145 *	6.65	30	62 - 140
Vinyl Chloride	50.0	80	160 *	7.23	30	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00637
Laboratory ID: BI00637-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	39	78.3	75 - 129
1,1,1-Trichloroethane	50.0	45	90.7	71 - 137
1,1,2,2-Tetrachloroethane	50.0	46	92.2	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	51	102	58 - 146
1,1,2-Trichloroethane	50.0	49	98.6	83 - 123
1,1-Dichloroethane	50.0	45	91.0	75 - 130
1,1-Dichloroethylene	50.0	47	93.2	64 - 137
1,2,3-Trichlorobenzene	50.0	46	91.0	81 - 140
1,2,3-Trichloropropane	50.0	45	89.1	81 - 126
1,2,4-Trichlorobenzene	50.0	41	82.6	80 - 141
1,2,4-Trimethylbenzene	50.0	40	80.6 *	84 - 125
1,2-Dibromo-3-chloropropane	50.0	44	87.8	74 - 142
1,2-Dibromoethane	50.0	48	96.2	86 - 123
1,2-Dichlorobenzene	50.0	45	90.1	85 - 122
1,2-Dichloroethane	50.0	43	86.1	71 - 133
1,2-Dichloropropane	50.0	44	88.3	81 - 122
1,3,5-Trimethylbenzene	50.0	41	83.0	82 - 126
1,3-Dichlorobenzene	50.0	43	86.3	84 - 124
1,4-Dichlorobenzene	50.0	41	82.6 *	84 - 124
1,4-Dioxane	1050	1100	109	10 - 228
2-Butanone	50.0	58	116	58 - 147
2-Hexanone	50.0	48	95.0	70 - 139
4-Methyl-2-pentanone	50.0	47	94.5	72 - 132
Acetone	50.0	37	73.0	36 - 155
Acrolein	50.0	29	58.4	10 - 238
Acrylonitrile	50.0	55	110	66 - 141
Benzene	50.0	50	100	77 - 127
Bromochloromethane	50.0	46	91.9	74 - 129
Bromodichloromethane	50.0	45	89.5	81 - 124
Bromoform	50.0	41	82.6	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00637
Laboratory ID: BI00637-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	50.0	50	101	32 - 177
Carbon disulfide	50.0	49	97.9	10 - 136
Carbon tetrachloride	50.0	47	93.4	66 - 143
Chlorobenzene	50.0	47	94.2	86 - 120
Chloroethane	50.0	51	103	51 - 142
Chloroform	50.0	47	93.3	76 - 131
Chloromethane	50.0	56	112	49 - 132
cis-1,2-Dichloroethylene	50.0	45	89.2	74 - 132
cis-1,3-Dichloropropylene	50.0	44	87.2	81 - 129
Cyclohexane	50.0	46	91.1	70 - 130
Dibromochloromethane	50.0	51	103	10 - 200
Dibromomethane	50.0	45	90.6	83 - 124
Dichlorodifluoromethane	50.0	43	85.3	28 - 158
Ethyl Benzene	50.0	44	87.4	84 - 125
Hexachlorobutadiene	50.0	46	91.8	83 - 133
Isopropylbenzene	50.0	42	84.2	81 - 127
Methyl acetate	50.0	46	92.2	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	50	99.3	74 - 131
Methylcyclohexane	50.0	46	91.4	70 - 130
Methylene chloride	50.0	49	97.6	57 - 141
n-Butylbenzene	50.0	37	74.9 *	80 - 130
n-Propylbenzene	50.0	40	79.4	74 - 136
o-Xylene	50.0	43	87.0	83 - 123
p- & m- Xylenes	100	87	87.1	82 - 128
p-Isopropyltoluene	50.0	42	83.3 *	85 - 125
sec-Butylbenzene	50.0	45	90.6	83 - 125
Styrene	50.0	47	93.4	86 - 126
tert-Butyl alcohol (TBA)	250	260	102	70 - 130
tert-Butylbenzene	50.0	43	85.3	80 - 127
Tetrachloroethylene	50.0	44	88.5	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil		
Batch:	BI00637	Laboratory ID:	BI00637-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	50.0	46	92.9	85 - 121
trans-1,2-Dichloroethylene	50.0	46	91.8	72 - 132
trans-1,3-Dichloropropylene	50.0	41	81.9	78 - 132
trans-1,4-dichloro-2-butene	50.0	44	87.3	75 - 135
Trichloroethylene	50.0	47	93.7	84 - 123
Trichlorofluoromethane	50.0	43	85.3	62 - 140
Vinyl Chloride	50.0	59	117	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00637
Laboratory ID: BI00637-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	39	77.9	0.589	30	75 - 129
1,1,1-Trichloroethane	50.0	45	89.4	1.38	30	71 - 137
1,1,2,2-Tetrachloroethane	50.0	48	96.3	4.27	30	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	51	102	0.0983	30	58 - 146
1,1,2-Trichloroethane	50.0	49	97.9	0.692	30	83 - 123
1,1-Dichloroethane	50.0	46	92.0	1.09	30	75 - 130
1,1-Dichloroethylene	50.0	46	92.3	0.992	30	64 - 137
1,2,3-Trichlorobenzene	50.0	50	100	9.66	30	81 - 140
1,2,3-Trichloropropane	50.0	47	93.5	4.82	30	81 - 126
1,2,4-Trichlorobenzene	50.0	45	90.4	9.06	30	80 - 141
1,2,4-Trimethylbenzene	50.0	42	84.5	4.73	30	84 - 125
1,2-Dibromo-3-chloropropane	50.0	45	89.9	2.36	30	74 - 142
1,2-Dibromoethane	50.0	48	95.9	0.333	30	86 - 123
1,2-Dichlorobenzene	50.0	48	96.4	6.71	30	85 - 122
1,2-Dichloroethane	50.0	44	87.5	1.57	30	71 - 133
1,2-Dichloropropane	50.0	45	89.1	0.947	30	81 - 122
1,3,5-Trimethylbenzene	50.0	44	87.2	4.98	30	82 - 126
1,3-Dichlorobenzene	50.0	46	92.2	6.63	30	84 - 124
1,4-Dichlorobenzene	50.0	47	93.2	12.0	30	84 - 124
1,4-Dioxane	1050	1300	122	11.0	30	10 - 228
2-Butanone	50.0	61	121	4.89	30	58 - 147
2-Hexanone	50.0	49	98.4	3.56	30	70 - 139
4-Methyl-2-pentanone	50.0	49	99.0	4.65	30	72 - 132
Acetone	50.0	36	72.5	0.714	30	36 - 155
Acrolein	50.0	42	84.3	36.3 *	30	10 - 238
Acrylonitrile	50.0	57	114	3.37	30	66 - 141
Benzene	50.0	51	102	1.42	30	77 - 127
Bromochloromethane	50.0	47	93.1	1.30	30	74 - 129
Bromodichloromethane	50.0	43	86.7	3.20	30	81 - 124
Bromoform	50.0	37	73.2 *	12.1	30	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00637
Laboratory ID: BI00637-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	50.0	47	94.7	6.02	30	32 - 177
Carbon disulfide	50.0	49	97.6	0.286	30	10 - 136
Carbon tetrachloride	50.0	46	92.9	0.515	30	66 - 143
Chlorobenzene	50.0	48	95.9	1.79	30	86 - 120
Chloroethane	50.0	51	102	0.880	30	51 - 142
Chloroform	50.0	46	92.9	0.430	30	76 - 131
Chloromethane	50.0	57	114	1.67	30	49 - 132
cis-1,2-Dichloroethylene	50.0	46	92.0	3.07	30	74 - 132
cis-1,3-Dichloropropylene	50.0	44	87.5	0.389	30	81 - 129
Cyclohexane	50.0	47	93.2	2.21	30	70 - 130
Dibromochloromethane	50.0	49	98.5	4.08	30	10 - 200
Dibromomethane	50.0	45	90.7	0.154	30	83 - 124
Dichlorodifluoromethane	50.0	42	84.7	0.659	30	28 - 158
Ethyl Benzene	50.0	45	90.1	3.11	30	84 - 125
Hexachlorobutadiene	50.0	42	84.8	7.95	30	83 - 133
Isopropylbenzene	50.0	42	83.9	0.262	30	81 - 127
Methyl acetate	50.0	48	95.6	3.56	30	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	49	98.4	0.971	30	74 - 131
Methylcyclohexane	50.0	45	90.7	0.835	30	70 - 130
Methylene chloride	50.0	49	98.5	0.898	30	57 - 141
n-Butylbenzene	50.0	41	81.0	7.85	30	80 - 130
n-Propylbenzene	50.0	42	83.7	5.22	30	74 - 136
o-Xylene	50.0	44	88.6	1.89	30	83 - 123
p- & m- Xylenes	100	89	89.4	2.63	30	82 - 128
p-Isopropyltoluene	50.0	44	88.1	5.69	30	85 - 125
sec-Butylbenzene	50.0	47	93.1	2.74	30	83 - 125
Styrene	50.0	47	94.7	1.45	30	86 - 126
tert-Butyl alcohol (TBA)	250	270	107	4.96	30	70 - 130
tert-Butylbenzene	50.0	44	87.4	2.46	30	80 - 127
Tetrachloroethylene	50.0	43	86.1	2.75	30	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00637
Laboratory ID: BI00637-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.0	47	93.2	0.387	30	85 - 121
trans-1,2-Dichloroethylene	50.0	47	94.6	2.96	30	72 - 132
trans-1,3-Dichloropropylene	50.0	42	84.0	2.56	30	78 - 132
trans-1,4-dichloro-2-butene	50.0	47	93.2	6.60	30	75 - 135
Trichloroethylene	50.0	46	91.9	1.94	30	84 - 123
Trichlorofluoromethane	50.0	42	83.2	2.47	30	62 - 140
Vinyl Chloride	50.0	59	119	1.00	30	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Water
Batch: BI00638
Laboratory ID: BI00638-BS1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	11	107	82 - 126
1,1,1-Trichloroethane	10.0	11	109	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.7	97.2	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11	111	54 - 165
1,1,2-Trichloroethane	10.0	9.6	96.1	82 - 123
1,1-Dichloroethane	10.0	9.8	98.5	82 - 129
1,1-Dichloroethylene	10.0	11	106	68 - 138
1,2,3-Trichlorobenzene	10.0	9.3	92.9	40 - 130
1,2,3-Trichloropropane	10.0	10	103	77 - 128
1,2,4-Trichlorobenzene	10.0	10	99.7	65 - 137
1,2,4-Trimethylbenzene	10.0	11	113	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.3	93.0	45 - 147
1,2-Dibromoethane	10.0	9.9	99.1	83 - 124
1,2-Dichlorobenzene	10.0	11	109	79 - 123
1,2-Dichloroethane	10.0	10	102	73 - 132
1,2-Dichloropropane	10.0	9.9	99.0	78 - 126
1,3,5-Trimethylbenzene	10.0	11	114	80 - 131
1,3-Dichlorobenzene	10.0	11	109	86 - 130
1,4-Dichlorobenzene	10.0	11	107	85 - 130
1,4-Dioxane	210	210	102	10 - 349
2-Butanone	10.0	8.6	86.5	49 - 152
2-Hexanone	10.0	9.0	90.0	51 - 146
4-Methyl-2-pentanone	10.0	8.4	84.4	57 - 145
Acetone	10.0	8.5	84.8	14 - 150
Acrolein	10.0	5.0	50.3	10 - 153
Acrylonitrile	10.0	8.2	82.1	51 - 150
Benzene	10.0	10	99.9	85 - 126
Bromochloromethane	10.0	9.0	89.8	77 - 128
Bromodichloromethane	10.0	11	105	79 - 128
Bromoform	10.0	9.5	95.2	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water		
Batch:	BI00638	Laboratory ID:	BI00638-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	3.6	36.1 *	43 - 168
Carbon disulfide	10.0	11	106	68 - 146
Carbon tetrachloride	10.0	11	111	77 - 141
Chlorobenzene	10.0	11	106	88 - 120
Chloroethane	10.0	12	122	65 - 136
Chloroform	10.0	10	104	82 - 128
Chloromethane	10.0	9.5	95.0	43 - 155
cis-1,2-Dichloroethylene	10.0	10	103	83 - 129
cis-1,3-Dichloropropylene	10.0	10	104	80 - 131
Cyclohexane	10.0	11	110	63 - 149
Dibromochloromethane	10.0	10	102	80 - 130
Dibromomethane	10.0	9.6	96.5	72 - 134
Dichlorodifluoromethane	10.0	13	129	44 - 144
Ethyl Benzene	10.0	11	111	80 - 131
Hexachlorobutadiene	10.0	11	105	67 - 146
Isopropylbenzene	10.0	11	110	76 - 140
Methyl acetate	10.0	9.1	91.2	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.2	92.3	76 - 135
Methylcyclohexane	10.0	11	114	72 - 143
Methylene chloride	10.0	9.3	92.6	55 - 137
n-Butylbenzene	10.0	12	115	79 - 132
n-Propylbenzene	10.0	11	113	78 - 133
o-Xylene	10.0	11	108	78 - 130
p- & m- Xylenes	20.0	23	113	77 - 133
p-Isopropyltoluene	10.0	11	115	81 - 136
sec-Butylbenzene	10.0	12	118	79 - 137
Styrene	10.0	11	110	67 - 132
tert-Butyl alcohol (TBA)	50.0	34	68.5	25 - 162
tert-Butylbenzene	10.0	10	100	77 - 138
Tetrachloroethylene	10.0	11	113	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water		
Batch:	BI00638	Laboratory ID:	BI00638-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	10.0	11	106	80 - 127
trans-1,2-Dichloroethylene	10.0	10	104	80 - 132
trans-1,3-Dichloropropylene	10.0	10	100	78 - 131
trans-1,4-dichloro-2-butene	10.0	10	99.5	63 - 141
Trichloroethylene	10.0	11	109	82 - 128
Trichlorofluoromethane	10.0	12	121	67 - 139
Vinyl Chloride	10.0	10	102	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Water
Batch: BI00638
Laboratory ID: BI00638-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	10	104	3.32	30	82 - 126
1,1,1-Trichloroethane	10.0	10	102	6.46	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10	103	5.79	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	10	102	8.33	30	54 - 165
1,1,2-Trichloroethane	10.0	10	101	4.67	30	82 - 123
1,1-Dichloroethane	10.0	9.3	92.9	5.85	30	82 - 129
1,1-Dichloroethylene	10.0	9.8	98.0	8.03	30	68 - 138
1,2,3-Trichlorobenzene	10.0	9.4	94.0	1.18	30	40 - 130
1,2,3-Trichloropropane	10.0	11	109	5.48	30	77 - 128
1,2,4-Trichlorobenzene	10.0	10	101	0.899	30	65 - 137
1,2,4-Trimethylbenzene	10.0	11	106	7.04	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	10	103	10.4	30	45 - 147
1,2-Dibromoethane	10.0	10	101	2.00	30	83 - 124
1,2-Dichlorobenzene	10.0	11	106	2.23	30	79 - 123
1,2-Dichloroethane	10.0	10	102	0.589	30	73 - 132
1,2-Dichloropropane	10.0	9.5	94.9	4.23	30	78 - 126
1,3,5-Trimethylbenzene	10.0	10	104	8.78	30	80 - 131
1,3-Dichlorobenzene	10.0	10	100	8.68	30	86 - 130
1,4-Dichlorobenzene	10.0	10	105	2.36	30	85 - 130
1,4-Dioxane	210	220	104	2.43	30	10 - 349
2-Butanone	10.0	10	99.5	14.0	30	49 - 152
2-Hexanone	10.0	9.8	97.7	8.20	30	51 - 146
4-Methyl-2-pentanone	10.0	9.3	93.4	10.1	30	57 - 145
Acetone	10.0	9.1	90.6	6.61	30	14 - 150
Acrolein	10.0	5.3	53.1	5.42	30	10 - 153
Acrylonitrile	10.0	8.3	83.2	1.33	30	51 - 150
Benzene	10.0	9.4	93.7	6.40	30	85 - 126
Bromochloromethane	10.0	9.1	90.8	1.11	30	77 - 128
Bromodichloromethane	10.0	10	100	4.57	30	79 - 128
Bromoform	10.0	9.8	98.4	3.31	30	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Water
Batch: BI00638
Laboratory ID: BI00638-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	10.0	3.9	39.2	*	8.23	30	43 - 168
Carbon disulfide	10.0	9.6	95.5		10.1	30	68 - 146
Carbon tetrachloride	10.0	10	104		6.52	30	77 - 141
Chlorobenzene	10.0	10	102		3.65	30	88 - 120
Chloroethane	10.0	11	113		7.22	30	65 - 136
Chloroform	10.0	9.7	96.9		7.07	30	82 - 128
Chloromethane	10.0	8.8	87.5		8.22	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.8	98.0		5.07	30	83 - 129
cis-1,3-Dichloropropylene	10.0	10	102		2.03	30	80 - 131
Cyclohexane	10.0	10	102		7.62	30	63 - 149
Dibromochloromethane	10.0	11	108		5.25	30	80 - 130
Dibromomethane	10.0	9.8	97.9		1.44	30	72 - 134
Dichlorodifluoromethane	10.0	12	123		5.16	30	44 - 144
Ethyl Benzene	10.0	10	104		6.13	30	80 - 131
Hexachlorobutadiene	10.0	10	104		1.15	30	67 - 146
Isopropylbenzene	10.0	10	100		9.70	30	76 - 140
Methyl acetate	10.0	9.8	98.0		7.19	30	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	10	101		8.90	30	76 - 135
Methylcyclohexane	10.0	11	106		6.81	30	72 - 143
Methylene chloride	10.0	9.0	90.5		2.29	30	55 - 137
n-Butylbenzene	10.0	10	105		9.09	30	79 - 132
n-Propylbenzene	10.0	10	103		9.15	30	78 - 133
o-Xylene	10.0	10	104		3.95	30	78 - 130
p- & m- Xylenes	20.0	21	106		5.90	30	77 - 133
p-Isopropyltoluene	10.0	11	105		8.46	30	81 - 136
sec-Butylbenzene	10.0	11	109		7.78	30	79 - 137
Styrene	10.0	11	105		4.09	30	67 - 132
tert-Butyl alcohol (TBA)	50.0	42	84.8		21.2	30	25 - 162
tert-Butylbenzene	10.0	9.1	91.1		9.51	30	77 - 138
Tetrachloroethylene	10.0	10	105		7.17	30	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Water
Batch: BI00638
Laboratory ID: BI00638-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	10.0	9.9	98.9	7.12	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.7	96.6	7.57	30	80 - 132
trans-1,3-Dichloropropylene	10.0	10	102	1.48	30	78 - 131
trans-1,4-dichloro-2-butene	10.0	10	104	4.71	30	63 - 141
Trichloroethylene	10.0	10	100	8.34	30	82 - 128
Trichlorofluoromethane	10.0	11	113	6.76	30	67 - 139
Vinyl Chloride	10.0	9.8	98.1	4.09	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00641
Laboratory ID: BI00641-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	38	75.6	75 - 129
1,1,1-Trichloroethane	50.0	44	87.3	71 - 137
1,1,2,2-Tetrachloroethane	50.0	53	105	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	56	112	58 - 146
1,1,2-Trichloroethane	50.0	51	102	83 - 123
1,1-Dichloroethane	50.0	49	97.4	75 - 130
1,1-Dichloroethylene	50.0	53	105	64 - 137
1,2,3-Trichlorobenzene	50.0	52	103	81 - 140
1,2,3-Trichloropropane	50.0	45	90.8	81 - 126
1,2,4-Trichlorobenzene	50.0	50	100	80 - 141
1,2,4-Trimethylbenzene	50.0	44	88.5	84 - 125
1,2-Dibromo-3-chloropropane	50.0	45	90.2	74 - 142
1,2-Dibromoethane	50.0	49	98.8	86 - 123
1,2-Dichlorobenzene	50.0	51	102	85 - 122
1,2-Dichloroethane	50.0	40	80.5	71 - 133
1,2-Dichloropropane	50.0	48	96.0	81 - 122
1,3,5-Trimethylbenzene	50.0	45	89.9	82 - 126
1,3-Dichlorobenzene	50.0	50	100	84 - 124
1,4-Dichlorobenzene	50.0	49	97.7	84 - 124
1,4-Dioxane	1050	1400	136	10 - 228
2-Butanone	50.0	62	125	58 - 147
2-Hexanone	50.0	50	99.9	70 - 139
4-Methyl-2-pentanone	50.0	50	101	72 - 132
Acetone	50.0	37	73.3	36 - 155
Acrolein	50.0	57	114	10 - 238
Acrylonitrile	50.0	64	129	66 - 141
Benzene	50.0	57	113	77 - 127
Bromochloromethane	50.0	48	95.4	74 - 129
Bromodichloromethane	50.0	43	85.3	81 - 124
Bromoform	50.0	37	74.7 *	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00641
Laboratory ID: BI00641-BS1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	50.0	39	78.7	32 - 177
Carbon disulfide	50.0	63	126	10 - 136
Carbon tetrachloride	50.0	45	89.7	66 - 143
Chlorobenzene	50.0	51	101	86 - 120
Chloroethane	50.0	45	90.3	51 - 142
Chloroform	50.0	46	92.8	76 - 131
Chloromethane	50.0	69	137 *	49 - 132
cis-1,2-Dichloroethylene	50.0	48	95.8	74 - 132
cis-1,3-Dichloropropylene	50.0	48	96.4	81 - 129
Cyclohexane	50.0	56	111	70 - 130
Dibromochloromethane	50.0	48	95.1	10 - 200
Dibromomethane	50.0	46	92.6	83 - 124
Dichlorodifluoromethane	50.0	66	131	28 - 158
Ethyl Benzene	50.0	48	96.4	84 - 125
Hexachlorobutadiene	50.0	44	87.4	83 - 133
Isopropylbenzene	50.0	45	89.0	81 - 127
Methyl acetate	50.0	53	105	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	51	102	74 - 131
Methylcyclohexane	50.0	54	109	70 - 130
Methylene chloride	50.0	51	103	57 - 141
n-Butylbenzene	50.0	47	94.8	80 - 130
n-Propylbenzene	50.0	46	91.5	74 - 136
o-Xylene	50.0	46	91.7	83 - 123
p- & m- Xylenes	100	96	95.8	82 - 128
p-Isopropyltoluene	50.0	47	94.8	85 - 125
sec-Butylbenzene	50.0	50	99.1	83 - 125
Styrene	50.0	52	104	86 - 126
tert-Butyl alcohol (TBA)	250	290	114	70 - 130
tert-Butylbenzene	50.0	44	88.8	80 - 127
Tetrachloroethylene	50.0	48	95.3	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil		
Batch:	BI00641	Laboratory ID:	BI00641-BS1
Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	50.0	51	102	85 - 121
trans-1,2-Dichloroethylene	50.0	52	104	72 - 132
trans-1,3-Dichloropropylene	50.0	45	90.2	78 - 132
trans-1,4-dichloro-2-butene	50.0	52	104	75 - 135
Trichloroethylene	50.0	48	97.0	84 - 123
Trichlorofluoromethane	50.0	41	81.2	62 - 140
Vinyl Chloride	50.0	68	137 *	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00641
Laboratory ID: BI00641-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	50.0	39	77.9	2.92	30	75 - 129
1,1,1-Trichloroethane	50.0	46	93.0	6.32	30	71 - 137
1,1,2,2-Tetrachloroethane	50.0	56	111	5.62	30	79 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	60	121	7.21	30	58 - 146
1,1,2-Trichloroethane	50.0	54	107	4.37	30	83 - 123
1,1-Dichloroethane	50.0	51	102	4.22	30	75 - 130
1,1-Dichloroethylene	50.0	56	112	5.82	30	64 - 137
1,2,3-Trichlorobenzene	50.0	51	102	0.915	30	81 - 140
1,2,3-Trichloropropane	50.0	50	99.0	8.70	30	81 - 126
1,2,4-Trichlorobenzene	50.0	52	104	3.68	30	80 - 141
1,2,4-Trimethylbenzene	50.0	46	92.1	3.96	30	84 - 125
1,2-Dibromo-3-chloropropane	50.0	49	97.3	7.53	30	74 - 142
1,2-Dibromoethane	50.0	52	104	5.01	30	86 - 123
1,2-Dichlorobenzene	50.0	52	104	1.77	30	85 - 122
1,2-Dichloroethane	50.0	41	81.2	0.817	30	71 - 133
1,2-Dichloropropane	50.0	50	100	4.50	30	81 - 122
1,3,5-Trimethylbenzene	50.0	48	96.0	6.50	30	82 - 126
1,3-Dichlorobenzene	50.0	52	104	4.33	30	84 - 124
1,4-Dichlorobenzene	50.0	51	103	4.79	30	84 - 124
1,4-Dioxane	1050	1800	169	21.6	30	10 - 228
2-Butanone	50.0	68	136	8.74	30	58 - 147
2-Hexanone	50.0	56	112	11.1	30	70 - 139
4-Methyl-2-pentanone	50.0	55	110	9.22	30	72 - 132
Acetone	50.0	40	80.9	9.86	30	36 - 155
Acrolein	50.0	58	116	2.13	30	10 - 238
Acrylonitrile	50.0	70	141	8.81	30	66 - 141
Benzene	50.0	59	117	3.72	30	77 - 127
Bromochloromethane	50.0	48	96.8	1.50	30	74 - 129
Bromodichloromethane	50.0	44	88.7	3.91	30	81 - 124
Bromoform	50.0	39	77.7 *	3.86	30	80 - 136

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00641
Laboratory ID: BI00641-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	50.0	43	86.8		9.79	30	32 - 177
Carbon disulfide	50.0	67	135		6.33	30	10 - 136
Carbon tetrachloride	50.0	48	95.4		6.09	30	66 - 143
Chlorobenzene	50.0	54	107		5.70	30	86 - 120
Chloroethane	50.0	47	93.1		3.12	30	51 - 142
Chloroform	50.0	48	95.6		2.97	30	76 - 131
Chloromethane	50.0	71	142	*	3.31	30	49 - 132
cis-1,2-Dichloroethylene	50.0	50	101		5.09	30	74 - 132
cis-1,3-Dichloropropylene	50.0	50	101		4.58	30	81 - 129
Cyclohexane	50.0	60	119		6.84	30	70 - 130
Dibromochloromethane	50.0	48	96.8		1.75	30	10 - 200
Dibromomethane	50.0	49	97.2		4.89	30	83 - 124
Dichlorodifluoromethane	50.0	66	132		1.09	30	28 - 158
Ethyl Benzene	50.0	51	102		6.11	30	84 - 125
Hexachlorobutadiene	50.0	45	89.4		2.24	30	83 - 133
Isopropylbenzene	50.0	48	96.1		7.59	30	81 - 127
Methyl acetate	50.0	57	113		7.31	30	41 - 143
Methyl tert-butyl ether (MTBE)	50.0	51	102		0.450	30	74 - 131
Methylcyclohexane	50.0	60	119		9.25	30	70 - 130
Methylene chloride	50.0	52	104		1.58	30	57 - 141
n-Butylbenzene	50.0	50	100		5.36	30	80 - 130
n-Propylbenzene	50.0	49	97.8		6.68	30	74 - 136
o-Xylene	50.0	48	96.5		5.16	30	83 - 123
p- & m- Xylenes	100	100	102		6.54	30	82 - 128
p-Isopropyltoluene	50.0	50	101		5.90	30	85 - 125
sec-Butylbenzene	50.0	53	105		6.03	30	83 - 125
Styrene	50.0	54	108		3.17	30	86 - 126
tert-Butyl alcohol (TBA)	250	330	132	*	14.3	30	70 - 130
tert-Butylbenzene	50.0	47	94.5		6.24	30	80 - 127
Tetrachloroethylene	50.0	52	104		8.95	30	80 - 129

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix: Soil
Batch: BI00641
Laboratory ID: BI00641-BSD1
Preparation: EPA 5035A
Initial/Final: 5 g / 5 ml

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.0	54	108	5.50	30	85 - 121
trans-1,2-Dichloroethylene	50.0	55	110	5.44	30	72 - 132
trans-1,3-Dichloropropylene	50.0	47	93.9	4.09	30	78 - 132
trans-1,4-dichloro-2-butene	50.0	55	111	6.30	30	75 - 135
Trichloroethylene	50.0	52	105	7.84	30	84 - 123
Trichlorofluoromethane	50.0	44	87.5	7.45	30	62 - 140
Vinyl Chloride	50.0	72	144 *	5.34	30	52 - 130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Batch: BI00428 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
TB-2	20I0216-06	QV913652.D	09/08/20 06:32	
Blank	BI00428-BLK1	QV913651.D	09/08/20 06:32	
LCS	BI00428-BS1	QV913648.D	09/08/20 06:32	
LCS Dup	BI00428-BSD1	QV913649.D	09/08/20 06:32	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Batch: BI00456 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-17 (4-5)	20I0216-01	QV414096.D	09/08/20 06:12	
GB-20 (4-6)	20I0216-03	QV414098.D	09/08/20 06:12	
GB-18 (2-4)	20I0216-04	QV414099.D	09/08/20 06:12	
Blank	BI00456-BLK1	QV414083.D	09/08/20 06:12	
LCS	BI00456-BS1	QV414081.D	09/08/20 06:12	
LCS Dup	BI00456-BSD1	QV414082.D	09/08/20 06:12	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Batch: BI00602 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-17 (4-5)	20I0216-01RE1	QV115768.D	09/08/20 06:12	From BI00456 by TMP on 09/11/2020
Blank	BI00602-BLK1	QV115750.D	09/10/20 06:37	
Blank	BI00602-BLK2	QV115751.D	09/10/20 06:37	
LCS	BI00602-BS1	QV115748.D	09/10/20 06:37	
LCS Dup	BI00602-BSD1	QV115749.D	09/10/20 06:37	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Batch: BI00637 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-19 (2-4)	20I0216-02	QV414115.D	09/09/20 06:42	
Blank	BI00637-BLK1	QV414112.D	09/09/20 06:42	
LCS	BI00637-BS1	QV414110.D	09/09/20 06:42	
LCS Dup	BI00637-BSD1	QV414111.D	09/09/20 06:42	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Batch: BI00638 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
FB-3	20I0216-05	QV913762.D	09/11/20 06:56	
Blank	BI00638-BLK1	QV913754.D	09/11/20 06:56	
LCS	BI00638-BS1	QV913751.D	09/11/20 06:56	
LCS Dup	BI00638-BSD1	QV913752.D	09/11/20 06:56	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Batch: BI00641 Batch Matrix: Soil Preparation: EPA 5035A

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-18 (2-4)	20I0216-04RE1	QV414190.D	09/08/20 06:12	From BI00456 by TMP on 09/11/2020
Blank	BI00641-BLK1	QV414183.D	09/11/20 06:53	
Blank	BI00641-BLK2	QV414186.D	09/11/20 06:53	
LCS	BI00641-BS1	QV414185.D	09/11/20 06:53	
LCS Dup	BI00641-BSD1	QV414187.D	09/11/20 06:53	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00428-BLK1	File ID:	QV913651.D
Prepared:	09/08/20 06:32	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/09/20 00:33	Instrument:	QVOA9		
Batch:	BI00428	Sequence:	Y0I1042	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	1.0	J
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00428-BLK1	File ID:	QV913651.D
Prepared:	09/08/20 06:32	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/09/20 00:33	Instrument:	QVOA9		
Batch:	BI00428	Sequence:	Y0I1042	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00428-BLK1	File ID:	QV913651.D
Prepared:	09/08/20 06:32	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/09/20 00:33	Instrument:	QVOA9		
Batch:	BI00428	Sequence:	Y0I1042	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.9	109	69 - 130	
SURR: p-Bromofluorobenzene	10.0	9.82	98.2	79 - 122	
SURR: Toluene-d8	10.0	10.3	103	81 - 117	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	166139	11.782	173887	11.779	
ISTD: Chlorobenzene-d5	601225	8.792	633734	8.792	
ISTD: Fluorobenzene	173759	5.746	182363	5.746	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00456-BLK1	File ID:	QV414083.D
Prepared:	09/08/20 06:12	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/08/20 12:01	Instrument:	QVOA4		
Batch:	BI00456	Sequence:	Y0I1045	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00456-BLK1	File ID:	QV414083.D
Prepared:	09/08/20 06:12	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/08/20 12:01	Instrument:	QVOA4		
Batch:	BI00456	Sequence:	Y0I1045	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00456-BLK1	File ID:	QV414083.D
Prepared:	09/08/20 06:12	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/08/20 12:01	Instrument:	QVOA4		
Batch:	BI00456	Sequence:	Y0I1045	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.0	102	77 - 125	
SURR: p-Bromofluorobenzene	50.0	52.2	104	76 - 130	
SURR: Toluene-d8	50.0	50.8	102	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	639790	10.792	691776	10.792	
ISTD: Chlorobenzene-d5	1440983	7.843	1421115	7.843	
ISTD: Fluorobenzene	398358	4.877	380220	4.883	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK1	File ID:	QV115750.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:20	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK1	File ID:	QV115750.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:20	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK1	File ID:	QV115750.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:20	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.3	98.7	77 - 125	
SURR: p-Bromofluorobenzene	50.0	47.5	95.0	76 - 130	
SURR: Toluene-d8	50.0	50.2	100	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	1129929	10.925	1154727	10.925	
ISTD: Chlorobenzene-d5	2336510	7.976	2344009	7.979	
ISTD: Fluorobenzene	550896	5.005	559357	5.007	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK2	File ID:	QV115751.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:47	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK2	File ID:	QV115751.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:47	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK2	File ID:	QV115751.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:47	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.2	98.5	77 - 125	
SURR: p-Bromofluorobenzene	50.0	46.8	93.7	76 - 130	
SURR: Toluene-d8	50.0	50.6	101	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	1109726	10.925	1154727	10.925	
ISTD: Chlorobenzene-d5	2279680	7.979	2344009	7.979	
ISTD: Fluorobenzene	541419	5.004	559357	5.007	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00637-BLK1	File ID:	QV414112.D
Prepared:	09/09/20 06:42	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/09/20 11:44	Instrument:	QVOA4		
Batch:	BI00637	Sequence:	Y0I1141	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00637-BLK1	File ID:	QV414112.D
Prepared:	09/09/20 06:42	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/09/20 11:44	Instrument:	QVOA4		
Batch:	BI00637	Sequence:	Y0I1141	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00637-BLK1	File ID:	QV414112.D
Prepared:	09/09/20 06:42	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/09/20 11:44	Instrument:	QVOA4		
Batch:	BI00637	Sequence:	Y0I1141	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	43.3	86.6	77 - 125	
SURR: p-Bromofluorobenzene	50.0	48.1	96.2	76 - 130	
SURR: Toluene-d8	50.0	50.0	99.9	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	1133257	10.79	1144365	10.792	
ISTD: Chlorobenzene-d5	2458961	7.843	2339560	7.846	
ISTD: Fluorobenzene	655345	4.877	640233	4.877	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00638-BLK1	File ID:	QV913754.D
Prepared:	09/11/20 06:56	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/11/20 12:03	Instrument:	QVOA9		
Batch:	BI00638	Sequence:	Y0I1143	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00638-BLK1	File ID:	QV913754.D
Prepared:	09/11/20 06:56	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/11/20 12:03	Instrument:	QVOA9		
Batch:	BI00638	Sequence:	Y0I1143	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00638-BLK1	File ID:	QV913754.D
Prepared:	09/11/20 06:56	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/11/20 12:03	Instrument:	QVOA9		
Batch:	BI00638	Sequence:	Y0I1143	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.2	112	69 - 130	
SURR: p-Bromofluorobenzene	10.0	10.0	100	79 - 122	
SURR: Toluene-d8	10.0	10.2	102	81 - 117	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	156150	11.782	157525	11.779	
ISTD: Chlorobenzene-d5	583853	8.792	558917	8.795	
ISTD: Fluorobenzene	166502	5.749	162382	5.746	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK1	File ID:	QV414183.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 13:26	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK1	File ID:	QV414183.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 13:26	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK1	File ID:	QV414183.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 13:26	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	38.5	77.0	77 - 125	
SURR: p-Bromofluorobenzene	50.0	49.1	98.3	76 - 130	
SURR: Toluene-d8	50.0	50.1	100	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	1094767	10.792	1220614	10.79	
ISTD: Chlorobenzene-d5	2465037	7.843	2416925	7.846	
ISTD: Fluorobenzene	661022	4.88	650889	4.877	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK2	File ID:	QV414186.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 14:44	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK2	File ID:	QV414186.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 14:44	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK2	File ID:	QV414186.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 14:44	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	38.9	77.7	77 - 125	
SURR: p-Bromofluorobenzene	50.0	49.0	98.0	76 - 130	
SURR: Toluene-d8	50.0	49.9	99.8	85 - 120	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	1033413	10.79	1220614	10.79	
ISTD: Chlorobenzene-d5	2350484	7.843	2416925	7.846	
ISTD: Fluorobenzene	624571	4.877	650889	4.877	

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV413154.D	Injection Date:	08/04/20
Instrument ID:	QVOA4	Injection Time:	16:15
Sequence:	Y0H0722	Lab Sample ID:	Y0H0722-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.2	PASS
75	30 - 60% of 95	55.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.13	PASS
173	Less than 2% of 174	0.68	PASS
174	50 - 100% of 95	59.5	PASS
175	5 - 9% of 174	7.14	PASS
176	95 - 101% of 174	97.4	PASS
177	5 - 9% of 176	6.89	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV115238.D	Injection Date:	08/05/20
Instrument ID:	QVOA1	Injection Time:	16:20
Sequence:	Y0H1032	Lab Sample ID:	Y0H1032-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22	PASS
75	30 - 60% of 95	51.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.49	PASS
173	Less than 2% of 174	0.649	PASS
174	50 - 100% of 95	64.7	PASS
175	5 - 9% of 174	7.19	PASS
176	95 - 101% of 174	97.3	PASS
177	5 - 9% of 176	7.59	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV913271.D	Injection Date:	08/26/20
Instrument ID:	QVOA9	Injection Time:	01:52
Sequence:	Y0H2624	Lab Sample ID:	Y0H2624-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.8	PASS
75	30 - 60% of 95	50.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.71	PASS
173	Less than 2% of 174	0.635	PASS
174	50 - 100% of 95	72.3	PASS
175	5 - 9% of 174	7.26	PASS
176	95 - 101% of 174	95.1	PASS
177	5 - 9% of 176	7.01	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV913645.D	Injection Date:	09/08/20
Instrument ID:	QVOA9	Injection Time:	21:59
Sequence:	Y0I1042	Lab Sample ID:	Y0I1042-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.4	PASS
75	30 - 60% of 95	51.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.05	PASS
173	Less than 2% of 174	1.07	PASS
174	50 - 100% of 95	67.4	PASS
175	5 - 9% of 174	8.31	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	7.67	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV414079.D	Injection Date:	09/08/20
Instrument ID:	QVOA4	Injection Time:	09:56
Sequence:	Y0I1045	Lab Sample ID:	Y0I1045-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	22.1	PASS
75	30 - 60% of 95	54.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.82	PASS
173	Less than 2% of 174	0.607	PASS
174	50 - 100% of 95	63.1	PASS
175	5 - 9% of 174	7.21	PASS
176	95 - 101% of 174	95.9	PASS
177	5 - 9% of 176	6.89	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV414108.D	Injection Date:	09/09/20
Instrument ID:	QVOA4	Injection Time:	09:47
Sequence:	Y0I1141	Lab Sample ID:	Y0I1141-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19.1	PASS
75	30 - 60% of 95	49.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.62	PASS
173	Less than 2% of 174	0.551	PASS
174	50 - 100% of 95	66.6	PASS
175	5 - 9% of 174	7.09	PASS
176	95 - 101% of 174	96.7	PASS
177	5 - 9% of 176	6.44	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV913749.D	Injection Date:	09/11/20
Instrument ID:	QVOA9	Injection Time:	09:47
Sequence:	Y0I1143	Lab Sample ID:	Y0I1143-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.6	PASS
75	30 - 60% of 95	52.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.78	PASS
173	Less than 2% of 174	0.937	PASS
174	50 - 100% of 95	73.2	PASS
175	5 - 9% of 174	7.69	PASS
176	95 - 101% of 174	97.3	PASS
177	5 - 9% of 176	6.65	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV115745.D	Injection Date:	09/10/20
Instrument ID:	QVOA1	Injection Time:	23:03
Sequence:	Y0I1145	Lab Sample ID:	Y0I1145-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.1	PASS
75	30 - 60% of 95	51.3	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.43	PASS
173	Less than 2% of 174	0.165	PASS
174	50 - 100% of 95	69.1	PASS
175	5 - 9% of 174	8.06	PASS
176	95 - 101% of 174	98.1	PASS
177	5 - 9% of 176	7	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Lab File ID:	QV414178.D	Injection Date:	09/11/20
Instrument ID:	QVOA4	Injection Time:	11:07
Sequence:	Y0I1147	Lab Sample ID:	Y0I1147-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.9	PASS
75	30 - 60% of 95	45.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.51	PASS
173	Less than 2% of 174	0.242	PASS
174	50 - 100% of 95	64.1	PASS
175	5 - 9% of 174	7.34	PASS
176	95 - 101% of 174	98.7	PASS
177	5 - 9% of 176	6.25	PASS

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0H0722
Instrument: QVOA4
Calibration: YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0H0722-TUN1	QV413154.D	08/04/20 16:15
Cal Standard	Y0H0722-CAL1	QV413157.D	08/04/20 17:07
Cal Standard	Y0H0722-CAL2	QV413158.D	08/04/20 17:33
Cal Standard	Y0H0722-CAL3	QV413159.D	08/04/20 17:59
Cal Standard	Y0H0722-CAL4	QV413160.D	08/04/20 18:26
Cal Standard	Y0H0722-CAL5	QV413161.D	08/04/20 18:52
Cal Standard	Y0H0722-CAL6	QV413162.D	08/04/20 19:18
Secondary Cal Check	Y0H0722-SCV1	QV413165.D	08/04/20 20:37

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0H1032
Instrument: QVOA1
Calibration: YH00005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0H1032-TUN1	QV115238.D	08/05/20 16:20
Cal Standard	Y0H1032-CAL1	QV115240.D	08/05/20 17:15
Cal Standard	Y0H1032-CAL2	QV115241.D	08/05/20 17:42
Cal Standard	Y0H1032-CAL3	QV115242.D	08/05/20 18:09
Cal Standard	Y0H1032-CAL4	QV115243.D	08/05/20 18:36
Cal Standard	Y0H1032-CAL5	QV115244.D	08/05/20 19:04
Cal Standard	Y0H1032-CAL6	QV115245.D	08/05/20 19:31
Secondary Cal Check	Y0H1032-SCV1	QV115248.D	08/05/20 20:53

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0H2624
Instrument: QVOA9
Calibration: YH00024

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0H2624-TUN1	QV913271.D	08/26/20 01:52
Cal Standard	Y0H2624-CAL1	QV913273.D	08/26/20 02:44
Cal Standard	Y0H2624-CAL2	QV913274.D	08/26/20 03:09
Cal Standard	Y0H2624-CAL3	QV913275.D	08/26/20 03:35
Cal Standard	Y0H2624-CAL4	QV913276.D	08/26/20 04:01
Cal Standard	Y0H2624-CAL5	QV913277.D	08/26/20 04:26
Cal Standard	Y0H2624-CAL6	QV913278.D	08/26/20 04:52
Cal Standard	Y0H2624-CAL7	QV913279.D	08/26/20 05:18
Cal Standard	Y0H2624-CAL8	QV913280.D	08/26/20 05:43
Cal Standard	Y0H2624-CAL9	QV913281.D	08/26/20 06:09
Secondary Cal Check	Y0H2624-SCV1	QV913284.D	08/26/20 07:26

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence:	Y0I1042	Instrument:	QVOA9
		Calibration:	YH00024

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I1042-TUN1	QV913645.D	09/08/20 21:59
Calibration Check	Y0I1042-CCV1	QV913647.D	09/08/20 22:51
LCS	BI00428-BS1	QV913648.D	09/08/20 23:16
LCS Dup	BI00428-BSD1	QV913649.D	09/08/20 23:42
Blank	BI00428-BLK1	QV913651.D	09/09/20 00:33
TB-2	20I0216-06	QV913652.D	09/09/20 00:58

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1045
Instrument: QVOA4
Calibration: YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I1045-TUN1	QV414079.D	09/08/20 09:56
Calibration Check	Y0I1045-CCV1	QV414080.D	09/08/20 10:22
LCS	BI00456-BS1	QV414081.D	09/08/20 11:08
LCS Dup	BI00456-BSD1	QV414082.D	09/08/20 11:35
Blank	BI00456-BLK1	QV414083.D	09/08/20 12:01
GB-17 (4-5)	20I0216-01	QV414096.D	09/08/20 17:41
GB-20 (4-6)	20I0216-03	QV414098.D	09/08/20 18:34
GB-18 (2-4)	20I0216-04	QV414099.D	09/08/20 19:17

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence:	Y0I1141	Instrument:	QVOA4
		Calibration:	YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I1141-TUN1	QV414108.D	09/09/20 09:47
Calibration Check	Y0I1141-CCV1	QV414109.D	09/09/20 10:13
LCS	BI00637-BS1	QV414110.D	09/09/20 10:52
LCS Dup	BI00637-BSD1	QV414111.D	09/09/20 11:18
Blank	BI00637-BLK1	QV414112.D	09/09/20 11:44
GB-19 (2-4)	20I0216-02	QV414115.D	09/09/20 13:03

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1143
Instrument: QVOA9
Calibration: YH00024

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I1143-TUN1	QV913749.D	09/11/20 09:47
Calibration Check	Y0I1143-CCV1	QV913750.D	09/11/20 10:13
LCS	BI00638-BS1	QV913751.D	09/11/20 10:46
LCS Dup	BI00638-BSD1	QV913752.D	09/11/20 11:12
Blank	BI00638-BLK1	QV913754.D	09/11/20 12:03
FB-3	20I0216-05	QV913762.D	09/11/20 16:28

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1145
Instrument: QVOA1
Calibration: YH00005

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I1145-TUN1	QV115745.D	09/10/20 23:03
Calibration Check	Y0I1145-CCV1	QV115746.D	09/10/20 23:31
LCS	BI00602-BS1	QV115748.D	09/11/20 00:25
LCS Dup	BI00602-BSD1	QV115749.D	09/11/20 00:52
Blank	BI00602-BLK1	QV115750.D	09/11/20 01:20
Blank	BI00602-BLK2	QV115751.D	09/11/20 01:47
GB-17 (4-5)	20I0216-01RE1	QV115768.D	09/11/20 09:31

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence:	Y0I1147	Instrument:	QVOA4
		Calibration:	YH00003

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0I1147-TUN1	QV414178.D	09/11/20 11:07
Calibration Check	Y0I1147-CCV1	QV414180.D	09/11/20 12:03
Blank	BI00641-BLK1	QV414183.D	09/11/20 13:26
LCS	BI00641-BS1	QV414185.D	09/11/20 14:18
Blank	BI00641-BLK2	QV414186.D	09/11/20 14:44
LCS Dup	BI00641-BSD1	QV414187.D	09/11/20 15:10
GB-18 (2-4)	20I0216-04RE1	QV414190.D	09/11/20 16:29

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216
Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0H0722 Instrument: QVOA4
Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (Y0H0722-CAL1)			Lab File ID: QV413157.D			Analyzed: 08/04/20 17:07			
ISTD: Fluorobenzene	549424	4.88	533670	4.88	103	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1937839	7.843	1885854	7.846	103	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	867919	10.79	892068	10.792	97	50 - 200	-0.0020	+/-0.17	
Cal Standard (Y0H0722-CAL2)			Lab File ID: QV413158.D			Analyzed: 08/04/20 17:33			
ISTD: Fluorobenzene	556556	4.88	533670	4.88	104	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1908347	7.843	1885854	7.846	101	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	860958	10.792	892068	10.792	97	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL3)			Lab File ID: QV413159.D			Analyzed: 08/04/20 17:59			
ISTD: Fluorobenzene	523019	4.88	533670	4.88	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1843426	7.846	1885854	7.846	98	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	848827	10.792	892068	10.792	95	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL4)			Lab File ID: QV413160.D			Analyzed: 08/04/20 18:26			
ISTD: Fluorobenzene	533670	4.88	533670	4.88	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1885854	7.846	1885854	7.846	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	892068	10.792	892068	10.792	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL5)			Lab File ID: QV413161.D			Analyzed: 08/04/20 18:52			
ISTD: Fluorobenzene	540529	4.88	533670	4.88	101	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1935829	7.846	1885854	7.846	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1011578	10.792	892068	10.792	113	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H0722-CAL6)			Lab File ID: QV413162.D			Analyzed: 08/04/20 19:18			
ISTD: Fluorobenzene	559479	4.883	533670	4.88	105	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2092222	7.846	1885854	7.846	111	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1201745	10.795	892068	10.792	135	50 - 200	0.0030	+/-0.17	
Secondary Cal Check (Y0H0722-SCV1)			Lab File ID: QV413165.D			Analyzed: 08/04/20 20:37			
ISTD: Fluorobenzene	573258	4.88	533670	4.88	107	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2048628	7.846	1885854	7.846	109	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	985291	10.792	892068	10.792	110	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216
Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0H1032 Instrument: QVOA1
Calibration: YH00005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (Y0H1032-CAL1)			Lab File ID: QV115240.D			Analyzed: 08/05/20 17:15			
ISTD: Fluorobenzene	618876	5.005	637004	5.004	97	50 - 200	0.0010	+/-0.17	
ISTD: Chlorobenzene-d5	2571862	7.979	2610096	7.979	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1259905	10.928	1271437	10.928	99	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H1032-CAL2)			Lab File ID: QV115241.D			Analyzed: 08/05/20 17:42			
ISTD: Fluorobenzene	634951	5.004	637004	5.004	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2568713	7.979	2610096	7.979	98	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1273971	10.925	1271437	10.928	100	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0H1032-CAL3)			Lab File ID: QV115242.D			Analyzed: 08/05/20 18:09			
ISTD: Fluorobenzene	621343	5.007	637004	5.004	98	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2559702	7.979	2610096	7.979	98	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1254966	10.928	1271437	10.928	99	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H1032-CAL4)			Lab File ID: QV115243.D			Analyzed: 08/05/20 18:36			
ISTD: Fluorobenzene	637004	5.004	637004	5.004	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2610096	7.979	2610096	7.979	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1271437	10.928	1271437	10.928	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H1032-CAL5)			Lab File ID: QV115244.D			Analyzed: 08/05/20 19:04			
ISTD: Fluorobenzene	648456	5.004	637004	5.004	102	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2595831	7.981	2610096	7.979	99	50 - 200	0.0020	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1271047	10.928	1271437	10.928	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H1032-CAL6)			Lab File ID: QV115245.D			Analyzed: 08/05/20 19:31			
ISTD: Fluorobenzene	666565	5.005	637004	5.004	105	50 - 200	0.0010	+/-0.17	
ISTD: Chlorobenzene-d5	2698607	7.982	2610096	7.979	103	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1308293	10.928	1271437	10.928	103	50 - 200	0.0000	+/-0.17	
Secondary Cal Check (Y0H1032-SCV1)			Lab File ID: QV115248.D			Analyzed: 08/05/20 20:53			
ISTD: Fluorobenzene	651858	5.007	637004	5.004	102	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2678788	7.979	2610096	7.979	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1305420	10.925	1271437	10.928	103	50 - 200	-0.0030	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216
Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0H2624 Instrument: QVOA9
Calibration: YH00024

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (Y0H2624-CAL1)			Lab File ID: QV913273.D			Analyzed: 08/26/20 02:44			
ISTD: Fluorobenzene	199784	5.749	204890	5.749	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	718935	8.792	744432	8.792	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	194340	11.782	205331	11.782	95	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL2)			Lab File ID: QV913274.D			Analyzed: 08/26/20 03:09			
ISTD: Fluorobenzene	206654	5.746	204890	5.749	101	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	759790	8.792	744432	8.792	102	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	209429	11.779	205331	11.782	102	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0H2624-CAL3)			Lab File ID: QV913275.D			Analyzed: 08/26/20 03:35			
ISTD: Fluorobenzene	206816	5.749	204890	5.749	101	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	747552	8.792	744432	8.792	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	206553	11.782	205331	11.782	101	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL4)			Lab File ID: QV913276.D			Analyzed: 08/26/20 04:01			
ISTD: Fluorobenzene	204890	5.749	204890	5.749	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	744432	8.792	744432	8.792	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	205331	11.782	205331	11.782	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL5)			Lab File ID: QV913277.D			Analyzed: 08/26/20 04:26			
ISTD: Fluorobenzene	201850	5.749	204890	5.749	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	745870	8.792	744432	8.792	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	209145	11.779	205331	11.782	102	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0H2624-CAL6)			Lab File ID: QV913278.D			Analyzed: 08/26/20 04:52			
ISTD: Fluorobenzene	209566	5.746	204890	5.749	102	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	765506	8.792	744432	8.792	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	210416	11.782	205331	11.782	102	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL7)			Lab File ID: QV913279.D			Analyzed: 08/26/20 05:18			
ISTD: Fluorobenzene	202717	5.749	204890	5.749	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	715980	8.792	744432	8.792	96	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	186744	11.779	205331	11.782	91	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0H2624-CAL8)			Lab File ID: QV913280.D			Analyzed: 08/26/20 05:43			
ISTD: Fluorobenzene	203166	5.749	204890	5.749	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	721515	8.795	744432	8.792	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	188353	11.782	205331	11.782	92	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0H2624-CAL9)			Lab File ID: QV913281.D			Analyzed: 08/26/20 06:09			
ISTD: Fluorobenzene	207291	5.746	204890	5.749	101	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	721237	8.795	744432	8.792	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	187988	11.782	205331	11.782	92	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0H2624
Instrument: QVOA9
Calibration: YH00024

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (Y0H2624-SCV1)			Lab File ID: QV913284.D			Analyzed: 08/26/20 07:26			
ISTD: Fluorobenzene	202793	5.749	204890	5.749	99	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	736215	8.792	744432	8.792	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	204573	11.779	205331	11.782	100	50 - 200	-0.0030	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216
Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1042 Instrument: QVOA9
Calibration: YH00024

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I1042-CCV1)			Lab File ID: QV913647.D			Analyzed: 09/08/20 22:51			
ISTD: Fluorobenzene	182363	5.746				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	633734	8.792				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	173887	11.779				50 - 200		+/-0.17	
LCS (BI00428-BS1)			Lab File ID: QV913648.D			Analyzed: 09/08/20 23:16			
ISTD: Fluorobenzene	178707	5.749	182363	5.746	98	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	616123	8.792	633734	8.792	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	171223	11.782	173887	11.779	98	50 - 200	0.0030	+/-0.17	
LCS Dup (BI00428-BSD1)			Lab File ID: QV913649.D			Analyzed: 09/08/20 23:42			
ISTD: Fluorobenzene	182005	5.746	182363	5.746	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	628361	8.792	633734	8.792	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	166718	11.779	173887	11.779	96	50 - 200	0.0000	+/-0.17	
Blank (BI00428-BLK1)			Lab File ID: QV913651.D			Analyzed: 09/09/20 00:33			
ISTD: Fluorobenzene	173759	5.746	182363	5.746	95	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	601225	8.792	633734	8.792	95	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	166139	11.782	173887	11.779	96	50 - 200	0.0030	+/-0.17	
TB-2 (20I0216-06)			Lab File ID: QV913652.D			Analyzed: 09/09/20 00:58			
ISTD: Fluorobenzene	179478	5.746	182363	5.746	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	616038	8.792	633734	8.792	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	161757	11.782	173887	11.779	93	50 - 200	0.0030	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216
Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1045 Instrument: QVOA4
Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I1045-CCV1)			Lab File ID: QV414080.D			Analyzed: 09/08/20 10:22			
ISTD: Fluorobenzene	380220	4.883				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	1421115	7.843				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	691776	10.792				50 - 200		+/-0.17	
LCS (BI00456-BS1)			Lab File ID: QV414081.D			Analyzed: 09/08/20 11:08			
ISTD: Fluorobenzene	408965	4.88	380220	4.883	108	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1484503	7.843	1421115	7.843	104	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	707601	10.792	691776	10.792	102	50 - 200	0.0000	+/-0.17	
LCS Dup (BI00456-BSD1)			Lab File ID: QV414082.D			Analyzed: 09/08/20 11:35			
ISTD: Fluorobenzene	396735	4.877	380220	4.883	104	50 - 200	-0.0060	+/-0.17	
ISTD: Chlorobenzene-d5	1417980	7.843	1421115	7.843	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	666651	10.79	691776	10.792	96	50 - 200	-0.0020	+/-0.17	
Blank (BI00456-BLK1)			Lab File ID: QV414083.D			Analyzed: 09/08/20 12:01			
ISTD: Fluorobenzene	398358	4.877	380220	4.883	105	50 - 200	-0.0060	+/-0.17	
ISTD: Chlorobenzene-d5	1440983	7.843	1421115	7.843	101	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	639790	10.792	691776	10.792	92	50 - 200	0.0000	+/-0.17	
GB-17 (4-5) (20I0216-01)			Lab File ID: QV414096.D			Analyzed: 09/08/20 17:41			
ISTD: Fluorobenzene	438725	4.877	380220	4.883	115	50 - 200	-0.0060	+/-0.17	
ISTD: Chlorobenzene-d5	1407533	7.843	1421115	7.843	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	458293	10.792	691776	10.792	66	50 - 200	0.0000	+/-0.17	
GB-20 (4-6) (20I0216-03)			Lab File ID: QV414098.D			Analyzed: 09/08/20 18:34			
ISTD: Fluorobenzene	447398	4.877	380220	4.883	118	50 - 200	-0.0060	+/-0.17	
ISTD: Chlorobenzene-d5	1608267	7.843	1421115	7.843	113	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	715656	10.789	691776	10.792	103	50 - 200	-0.0030	+/-0.17	
GB-18 (2-4) (20I0216-04)			Lab File ID: QV414099.D			Analyzed: 09/08/20 19:17			
ISTD: Fluorobenzene	446327	4.88	380220	4.883	117	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1555891	7.843	1421115	7.843	109	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	675250	10.789	691776	10.792	98	50 - 200	-0.0030	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216
Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1141 Instrument: QVOA4
Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I1141-CCV1)			Lab File ID: QV414109.D			Analyzed: 09/09/20 10:13			
ISTD: Fluorobenzene	640233	4.877				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	2339560	7.846				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1144365	10.792				50 - 200		+/-0.17	
LCS (BI00637-BS1)			Lab File ID: QV414110.D			Analyzed: 09/09/20 10:52			
ISTD: Fluorobenzene	691164	4.877	640233	4.877	108	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2555159	7.846	2339560	7.846	109	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1259671	10.792	1144365	10.792	110	50 - 200	0.0000	+/-0.17	
LCS Dup (BI00637-BSD1)			Lab File ID: QV414111.D			Analyzed: 09/09/20 11:18			
ISTD: Fluorobenzene	683142	4.88	640233	4.877	107	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2580072	7.846	2339560	7.846	110	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1259217	10.792	1144365	10.792	110	50 - 200	0.0000	+/-0.17	
Blank (BI00637-BLK1)			Lab File ID: QV414112.D			Analyzed: 09/09/20 11:44			
ISTD: Fluorobenzene	655345	4.877	640233	4.877	102	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2458961	7.843	2339560	7.846	105	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1133257	10.79	1144365	10.792	99	50 - 200	-0.0020	+/-0.17	
GB-19 (2-4) (20I0216-02)			Lab File ID: QV414115.D			Analyzed: 09/09/20 13:03			
ISTD: Fluorobenzene	639160	4.877	640233	4.877	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2361403	7.843	2339560	7.846	101	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1036586	10.79	1144365	10.792	91	50 - 200	-0.0020	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Sequence: Y0I1143 Instrument: QVOA9

Calibration: YH00024

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I1143-CCV1)			Lab File ID: QV913750.D			Analyzed: 09/11/20 10:13			
ISTD: Fluorobenzene	162382	5.746				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	558917	8.795				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	157525	11.779				50 - 200		+/-0.17	
LCS (BI00638-BS1)			Lab File ID: QV913751.D			Analyzed: 09/11/20 10:46			
ISTD: Fluorobenzene	162692	5.746	162382	5.746	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	553401	8.792	558917	8.795	99	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	146335	11.785	157525	11.779	93	50 - 200	0.0060	+/-0.17	
LCS Dup (BI00638-BSD1)			Lab File ID: QV913752.D			Analyzed: 09/11/20 11:12			
ISTD: Fluorobenzene	169112	5.746	162382	5.746	104	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	580589	8.792	558917	8.795	104	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	157056	11.782	157525	11.779	100	50 - 200	0.0030	+/-0.17	
Blank (BI00638-BLK1)			Lab File ID: QV913754.D			Analyzed: 09/11/20 12:03			
ISTD: Fluorobenzene	166502	5.749	162382	5.746	103	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	583853	8.792	558917	8.795	104	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	156150	11.782	157525	11.779	99	50 - 200	0.0030	+/-0.17	
FB-3 (20I0216-05)			Lab File ID: QV913762.D			Analyzed: 09/11/20 16:28			
ISTD: Fluorobenzene	164463	5.746	162382	5.746	101	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	572806	8.792	558917	8.795	102	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	156488	11.782	157525	11.779	99	50 - 200	0.0030	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Sequence: Y0I1145 Instrument: QVOA1

Calibration: YH00005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I1145-CCV1)			Lab File ID: QV115746.D			Analyzed: 09/10/20 23:31			
ISTD: Fluorobenzene	559357	5.007				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	2344009	7.979				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1154727	10.925				50 - 200		+/-0.17	
LCS (BI00602-BS1)			Lab File ID: QV115748.D			Analyzed: 09/11/20 00:25			
ISTD: Fluorobenzene	571414	5.004	559357	5.007	102	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2345693	7.979	2344009	7.979	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1148636	10.925	1154727	10.925	99	50 - 200	0.0000	+/-0.17	
LCS Dup (BI00602-BSD1)			Lab File ID: QV115749.D			Analyzed: 09/11/20 00:52			
ISTD: Fluorobenzene	573252	5.005	559357	5.007	102	50 - 200	-0.0020	+/-0.17	
ISTD: Chlorobenzene-d5	2373885	7.979	2344009	7.979	101	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1168953	10.925	1154727	10.925	101	50 - 200	0.0000	+/-0.17	
Blank (BI00602-BLK1)			Lab File ID: QV115750.D			Analyzed: 09/11/20 01:20			
ISTD: Fluorobenzene	550896	5.005	559357	5.007	98	50 - 200	-0.0020	+/-0.17	
ISTD: Chlorobenzene-d5	2336510	7.976	2344009	7.979	100	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1129929	10.925	1154727	10.925	98	50 - 200	0.0000	+/-0.17	
Blank (BI00602-BLK2)			Lab File ID: QV115751.D			Analyzed: 09/11/20 01:47			
ISTD: Fluorobenzene	541419	5.004	559357	5.007	97	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2279680	7.979	2344009	7.979	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1109726	10.925	1154727	10.925	96	50 - 200	0.0000	+/-0.17	
GB-17 (4-5) (20I0216-01RE1)			Lab File ID: QV115768.D			Analyzed: 09/11/20 09:31			
ISTD: Fluorobenzene	771463	5.005	559357	5.007	138	50 - 200	-0.0020	+/-0.17	
ISTD: Chlorobenzene-d5	3184754	7.979	2344009	7.979	136	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1575303	10.925	1154727	10.925	136	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216
Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Sequence: Y0I1147 Instrument: QVOA4
Calibration: YH00003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0I1147-CCV1)			Lab File ID: QV414180.D			Analyzed: 09/11/20 12:03			
ISTD: Fluorobenzene	650889	4.877				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	2416925	7.846				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1220614	10.79				50 - 200		+/-0.17	
Blank (BI00641-BLK1)			Lab File ID: QV414183.D			Analyzed: 09/11/20 13:26			
ISTD: Fluorobenzene	661022	4.88	650889	4.877	102	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2465037	7.843	2416925	7.846	102	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1094767	10.792	1220614	10.79	90	50 - 200	0.0020	+/-0.17	
LCS (BI00641-BS1)			Lab File ID: QV414185.D			Analyzed: 09/11/20 14:18			
ISTD: Fluorobenzene	631051	4.877	650889	4.877	97	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2381107	7.843	2416925	7.846	99	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1187845	10.792	1220614	10.79	97	50 - 200	0.0020	+/-0.17	
Blank (BI00641-BLK2)			Lab File ID: QV414186.D			Analyzed: 09/11/20 14:44			
ISTD: Fluorobenzene	624571	4.877	650889	4.877	96	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2350484	7.843	2416925	7.846	97	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1033413	10.79	1220614	10.79	85	50 - 200	0.0000	+/-0.17	
LCS Dup (BI00641-BSD1)			Lab File ID: QV414187.D			Analyzed: 09/11/20 15:10			
ISTD: Fluorobenzene	584663	4.88	650889	4.877	90	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	2150860	7.843	2416925	7.846	89	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1063544	10.792	1220614	10.79	87	50 - 200	0.0020	+/-0.17	
GB-18 (2-4) (20I0216-04RE1)			Lab File ID: QV414190.D			Analyzed: 09/11/20 16:29			
ISTD: Fluorobenzene	713532	4.877	650889	4.877	110	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	2708885	7.843	2416925	7.846	112	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	1205218	10.792	1220614	10.79	99	50 - 200	0.0020	+/-0.17	

HOLDING TIME SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GB-17 (4-5)	09/03/20 13:25	09/03/20 18:08	09/08/20 06:12	4.70	14.00	09/08/20 17:41	5.18	14.00	
GB-17 (4-5)	09/03/20 13:25	09/03/20 18:08	09/08/20 06:12	4.70	14.00	09/11/20 09:31	7.84	14.00	
GB-19 (2-4)	09/03/20 13:30	09/03/20 18:08	09/09/20 06:42	5.72	14.00	09/09/20 13:03	5.98	14.00	
GB-20 (4-6)	09/03/20 13:35	09/03/20 18:08	09/08/20 06:12	4.69	14.00	09/08/20 18:34	5.21	14.00	
GB-18 (2-4)	09/03/20 14:10	09/03/20 18:08	09/08/20 06:12	4.67	14.00	09/08/20 19:17	5.21	14.00	
GB-18 (2-4)	09/03/20 14:10	09/03/20 18:08	09/08/20 06:12	4.67	14.00	09/11/20 16:29	8.10	14.00	
FB-3	09/03/20 13:40	09/03/20 18:08	09/11/20 06:56	7.72	14.00	09/11/20 16:28	8.12	14.00	
TB-2	09/03/20 00:00	09/03/20 18:08	09/08/20 06:32	5.27	14.00	09/09/20 00:58	6.04	14.00	

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Matrix: Soil **Instrument:** QVOA1

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	2.5	5.0	ug/kg
1,1,1-Trichloroethane	2.5	5.0	ug/kg
1,1,2,2-Tetrachloroethane	2.5	5.0	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.5	5.0	ug/kg
1,1,2-Trichloroethane	2.5	5.0	ug/kg
1,1-Dichloroethane	2.5	5.0	ug/kg
1,1-Dichloroethylene	2.5	5.0	ug/kg
1,2,3-Trichlorobenzene	2.5	5.0	ug/kg
1,2,3-Trichloropropane	2.5	5.0	ug/kg
1,2,4-Trichlorobenzene	2.5	5.0	ug/kg
1,2,4-Trimethylbenzene	2.5	5.0	ug/kg
1,2-Dibromo-3-chloropropane	2.5	5.0	ug/kg
1,2-Dibromoethane	2.5	5.0	ug/kg
1,2-Dichlorobenzene	2.5	5.0	ug/kg
1,2-Dichloroethane	2.5	5.0	ug/kg
1,2-Dichloropropane	2.5	5.0	ug/kg
1,3,5-Trimethylbenzene	2.5	5.0	ug/kg
1,3-Dichlorobenzene	2.5	5.0	ug/kg
1,4-Dichlorobenzene	2.5	5.0	ug/kg
1,4-Dioxane	50	100	ug/kg
2-Butanone	2.5	5.0	ug/kg
2-Hexanone	2.5	5.0	ug/kg
4-Methyl-2-pentanone	2.5	5.0	ug/kg
Acetone	5.0	10	ug/kg
Acrolein	5.0	10	ug/kg
Acrylonitrile	2.5	5.0	ug/kg
Benzene	2.5	5.0	ug/kg
Bromochloromethane	2.5	5.0	ug/kg
Bromodichloromethane	2.5	5.0	ug/kg
Bromoform	2.5	5.0	ug/kg
Bromomethane	2.5	5.0	ug/kg
Carbon disulfide	2.5	5.0	ug/kg
Carbon tetrachloride	2.5	5.0	ug/kg
Chlorobenzene	2.5	5.0	ug/kg
Chloroethane	2.5	5.0	ug/kg
Chloroform	2.5	5.0	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Matrix: Soil **Instrument:** QVOA1

Analyte	LOD	LOQ	Units
Chloromethane	2.5	5.0	ug/kg
cis-1,2-Dichloroethylene	2.5	5.0	ug/kg
cis-1,3-Dichloropropylene	2.5	5.0	ug/kg
Cyclohexane	2.5	5.0	ug/kg
Dibromochloromethane	2.5	5.0	ug/kg
Dibromomethane	2.5	5.0	ug/kg
Dichlorodifluoromethane	2.5	5.0	ug/kg
Ethyl Benzene	2.5	5.0	ug/kg
Hexachlorobutadiene	2.5	5.0	ug/kg
Isopropylbenzene	2.5	5.0	ug/kg
Methyl acetate	2.5	5.0	ug/kg
Methyl tert-butyl ether (MTBE)	2.5	5.0	ug/kg
Methylcyclohexane	2.5	5.0	ug/kg
Methylene chloride	5.0	10	ug/kg
n-Butylbenzene	2.5	5.0	ug/kg
n-Propylbenzene	2.5	5.0	ug/kg
o-Xylene	2.5	5.0	ug/kg
p- & m- Xylenes	5.0	10	ug/kg
p-Isopropyltoluene	2.5	5.0	ug/kg
sec-Butylbenzene	2.5	5.0	ug/kg
Styrene	2.5	5.0	ug/kg
tert-Butyl alcohol (TBA)	2.5	5.0	ug/kg
tert-Butylbenzene	2.5	5.0	ug/kg
Tetrachloroethylene	2.5	5.0	ug/kg
Toluene	2.5	5.0	ug/kg
trans-1,2-Dichloroethylene	2.5	5.0	ug/kg
trans-1,3-Dichloropropylene	2.5	5.0	ug/kg
trans-1,4-dichloro-2-butene	2.5	5.0	ug/kg
Trichloroethylene	2.5	5.0	ug/kg
Trichlorofluoromethane	2.5	5.0	ug/kg
Vinyl Chloride	2.5	5.0	ug/kg
Xylenes, Total	7.5	15	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Matrix: Soil **Instrument:** QVOA4

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	2.5	5.0	ug/kg
1,1,1-Trichloroethane	2.5	5.0	ug/kg
1,1,2,2-Tetrachloroethane	2.5	5.0	ug/kg
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	2.5	5.0	ug/kg
1,1,2-Trichloroethane	2.5	5.0	ug/kg
1,1-Dichloroethane	2.5	5.0	ug/kg
1,1-Dichloroethylene	2.5	5.0	ug/kg
1,2,3-Trichlorobenzene	2.5	5.0	ug/kg
1,2,3-Trichloropropane	2.5	5.0	ug/kg
1,2,4-Trichlorobenzene	2.5	5.0	ug/kg
1,2,4-Trimethylbenzene	2.5	5.0	ug/kg
1,2-Dibromo-3-chloropropane	2.5	5.0	ug/kg
1,2-Dibromoethane	2.5	5.0	ug/kg
1,2-Dichlorobenzene	2.5	5.0	ug/kg
1,2-Dichloroethane	2.5	5.0	ug/kg
1,2-Dichloropropane	2.5	5.0	ug/kg
1,3,5-Trimethylbenzene	2.5	5.0	ug/kg
1,3-Dichlorobenzene	2.5	5.0	ug/kg
1,4-Dichlorobenzene	2.5	5.0	ug/kg
1,4-Dioxane	50	100	ug/kg
2-Butanone	2.5	5.0	ug/kg
2-Hexanone	2.5	5.0	ug/kg
4-Methyl-2-pentanone	2.5	5.0	ug/kg
Acetone	5.0	10	ug/kg
Acrolein	5.0	10	ug/kg
Acrylonitrile	2.5	5.0	ug/kg
Benzene	2.5	5.0	ug/kg
Bromochloromethane	2.5	5.0	ug/kg
Bromodichloromethane	2.5	5.0	ug/kg
Bromoform	2.5	5.0	ug/kg
Bromomethane	2.5	5.0	ug/kg
Carbon disulfide	2.5	5.0	ug/kg
Carbon tetrachloride	2.5	5.0	ug/kg
Chlorobenzene	2.5	5.0	ug/kg
Chloroethane	2.5	5.0	ug/kg
Chloroform	2.5	5.0	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Matrix: Soil **Instrument:** QVOA4

Analyte	LOD	LOQ	Units
Chloromethane	2.5	5.0	ug/kg
cis-1,2-Dichloroethylene	2.5	5.0	ug/kg
cis-1,3-Dichloropropylene	2.5	5.0	ug/kg
Cyclohexane	2.5	5.0	ug/kg
Dibromochloromethane	2.5	5.0	ug/kg
Dibromomethane	2.5	5.0	ug/kg
Dichlorodifluoromethane	2.5	5.0	ug/kg
Ethyl Benzene	2.5	5.0	ug/kg
Hexachlorobutadiene	2.5	5.0	ug/kg
Isopropylbenzene	2.5	5.0	ug/kg
Methyl acetate	2.5	5.0	ug/kg
Methyl tert-butyl ether (MTBE)	2.5	5.0	ug/kg
Methylcyclohexane	2.5	5.0	ug/kg
Methylene chloride	5.0	10	ug/kg
n-Butylbenzene	2.5	5.0	ug/kg
n-Propylbenzene	2.5	5.0	ug/kg
o-Xylene	2.5	5.0	ug/kg
p- & m- Xylenes	5.0	10	ug/kg
p-Isopropyltoluene	2.5	5.0	ug/kg
sec-Butylbenzene	2.5	5.0	ug/kg
Styrene	2.5	5.0	ug/kg
tert-Butyl alcohol (TBA)	2.5	5.0	ug/kg
tert-Butylbenzene	2.5	5.0	ug/kg
Tetrachloroethylene	2.5	5.0	ug/kg
Toluene	2.5	5.0	ug/kg
trans-1,2-Dichloroethylene	2.5	5.0	ug/kg
trans-1,3-Dichloropropylene	2.5	5.0	ug/kg
trans-1,4-dichloro-2-butene	2.5	5.0	ug/kg
Trichloroethylene	2.5	5.0	ug/kg
Trichlorofluoromethane	2.5	5.0	ug/kg
Vinyl Chloride	2.5	5.0	ug/kg
Xylenes, Total	7.5	15	ug/kg

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Matrix: Water **Instrument:** QVOA9

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,1-Trichloroethane	0.20	0.50	ug/L
1,1,2,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.20	0.50	ug/L
1,1,2-Trichloroethane	0.20	0.50	ug/L
1,1-Dichloroethane	0.20	0.50	ug/L
1,1-Dichloroethylene	0.20	0.50	ug/L
1,2,3-Trichlorobenzene	0.20	0.50	ug/L
1,2,3-Trichloropropane	0.20	0.50	ug/L
1,2,4-Trichlorobenzene	0.20	0.50	ug/L
1,2,4-Trimethylbenzene	0.20	0.50	ug/L
1,2-Dibromo-3-chloropropane	0.20	0.50	ug/L
1,2-Dibromoethane	0.20	0.50	ug/L
1,2-Dichlorobenzene	0.20	0.50	ug/L
1,2-Dichloroethane	0.20	0.50	ug/L
1,2-Dichloropropane	0.20	0.50	ug/L
1,3,5-Trimethylbenzene	0.20	0.50	ug/L
1,3-Dichlorobenzene	0.20	0.50	ug/L
1,4-Dichlorobenzene	0.20	0.50	ug/L
1,4-Dioxane	40	40	ug/L
2-Butanone	0.20	0.50	ug/L
2-Hexanone	0.20	0.50	ug/L
4-Methyl-2-pentanone	0.20	0.50	ug/L
Acetone	1.0	2.0	ug/L
Acrolein	0.20	0.50	ug/L
Acrylonitrile	0.20	0.50	ug/L
Benzene	0.20	0.50	ug/L
Bromochloromethane	0.20	0.50	ug/L
Bromodichloromethane	0.20	0.50	ug/L
Bromoform	0.20	0.50	ug/L
Bromomethane	0.20	0.50	ug/L
Carbon disulfide	0.20	0.50	ug/L
Carbon tetrachloride	0.20	0.50	ug/L
Chlorobenzene	0.20	0.50	ug/L
Chloroethane	0.20	0.50	ug/L
Chloroform	0.20	0.50	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Matrix: Water **Instrument:** QVOA9

Analyte	LOD	LOQ	Units
Chloromethane	0.20	0.50	ug/L
cis-1,2-Dichloroethylene	0.20	0.50	ug/L
cis-1,3-Dichloropropylene	0.20	0.50	ug/L
Cyclohexane	0.20	0.50	ug/L
Dibromochloromethane	0.20	0.50	ug/L
Dibromomethane	0.20	0.50	ug/L
Dichlorodifluoromethane	0.20	0.50	ug/L
Ethyl Benzene	0.20	0.50	ug/L
Hexachlorobutadiene	0.20	0.50	ug/L
Isopropylbenzene	0.20	0.50	ug/L
Methyl acetate	0.20	0.50	ug/L
Methyl tert-butyl ether (MTBE)	0.20	0.50	ug/L
Methylcyclohexane	0.20	0.50	ug/L
Methylene chloride	1.0	2.0	ug/L
n-Butylbenzene	0.20	0.50	ug/L
n-Propylbenzene	0.20	0.50	ug/L
o-Xylene	0.20	0.50	ug/L
p- & m- Xylenes	0.50	1.0	ug/L
p-Isopropyltoluene	0.20	0.50	ug/L
sec-Butylbenzene	0.20	0.50	ug/L
Styrene	0.20	0.50	ug/L
tert-Butyl alcohol (TBA)	0.50	1.0	ug/L
tert-Butylbenzene	0.20	0.50	ug/L
Tetrachloroethylene	0.20	0.50	ug/L
Toluene	0.20	0.50	ug/L
trans-1,2-Dichloroethylene	0.20	0.50	ug/L
trans-1,3-Dichloropropylene	0.20	0.50	ug/L
trans-1,4-dichloro-2-butene	0.20	0.50	ug/L
Trichloroethylene	0.20	0.50	ug/L
Trichlorofluoromethane	0.20	0.50	ug/L
Vinyl Chloride	0.20	0.50	ug/L
Xylenes, Total	0.60	1.5	ug/L

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

GB-17 (4-5)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-01 File ID: QV414096.D

Sampled: 09/03/20 13:25 Prepared: 09/08/20 06:12 Analyzed: 09/08/20 17:41

Solids: 98.40 Preparation: EPA 5035A Initial/Final: 9.01 g / 5 ml

Batch: BI00456 Sequence: Y0I1045 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	2.8	U
71-55-6	1,1,1-Trichloroethane	1	2.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1	2.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	2.8	U
79-00-5	1,1,2-Trichloroethane	1	2.8	U
75-34-3	1,1-Dichloroethane	1	2.8	U
75-35-4	1,1-Dichloroethylene	1	2.8	U
87-61-6	1,2,3-Trichlorobenzene	1	2.8	U
96-18-4	1,2,3-Trichloropropane	1	2.8	U
120-82-1	1,2,4-Trichlorobenzene	1	2.8	U
95-63-6	1,2,4-Trimethylbenzene	1	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.8	U
106-93-4	1,2-Dibromoethane	1	2.8	U
95-50-1	1,2-Dichlorobenzene	1	2.8	U
107-06-2	1,2-Dichloroethane	1	2.8	U
78-87-5	1,2-Dichloropropane	1	2.8	U
108-67-8	1,3,5-Trimethylbenzene	1	2.8	U
541-73-1	1,3-Dichlorobenzene	1	2.8	U
106-46-7	1,4-Dichlorobenzene	1	2.8	U
123-91-1	1,4-Dioxane	1	56	U
78-93-3	2-Butanone	1	2.8	U
591-78-6	2-Hexanone	1	2.8	U
108-10-1	4-Methyl-2-pentanone	1	2.8	U
67-64-1	Acetone	1	6.6	
107-02-8	Acrolein	1	5.6	U
107-13-1	Acrylonitrile	1	2.8	U
71-43-2	Benzene	1	2.8	U
74-97-5	Bromochloromethane	1	2.8	U
75-27-4	Bromodichloromethane	1	2.8	U
75-25-2	Bromoform	1	2.8	U
74-83-9	Bromomethane	1	2.8	U
75-15-0	Carbon disulfide	1	2.8	U
56-23-5	Carbon tetrachloride	1	2.8	U
108-90-7	Chlorobenzene	1	2.8	U
75-00-3	Chloroethane	1	2.8	U
67-66-3	Chloroform	1	2.8	U
74-87-3	Chloromethane	1	2.8	U
156-59-2	cis-1,2-Dichloroethylene	1	10	
10061-01-5	cis-1,3-Dichloropropylene	1	2.8	U
110-82-7	Cyclohexane	1	2.8	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-17 (4-5)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-01 File ID: QV414096.D

Sampled: 09/03/20 13:25 Prepared: 09/08/20 06:12 Analyzed: 09/08/20 17:41

Solids: 98.40 Preparation: EPA 5035A Initial/Final: 9.01 g / 5 ml

Batch: BI00456 Sequence: Y0I1045 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	2.8	U
74-95-3	Dibromomethane	1	2.8	U
75-71-8	Dichlorodifluoromethane	1	2.8	U
100-41-4	Ethyl Benzene	1	2.8	U
87-68-3	Hexachlorobutadiene	1	2.8	U
98-82-8	Isopropylbenzene	1	2.8	U
79-20-9	Methyl acetate	1	2.8	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	2.8	U
108-87-2	Methylcyclohexane	1	2.8	U
75-09-2	Methylene chloride	1	5.6	U
104-51-8	n-Butylbenzene	1	2.8	U
103-65-1	n-Propylbenzene	1	2.8	U
95-47-6	o-Xylene	1	2.8	U
179601-23-1	p- & m- Xylenes	1	5.6	U
99-87-6	p-Isopropyltoluene	1	2.8	U
135-98-8	sec-Butylbenzene	1	2.8	U
100-42-5	Styrene	1	2.8	U
75-65-0	tert-Butyl alcohol (TBA)	1	2.8	U
98-06-6	tert-Butylbenzene	1	2.8	U
108-88-3	Toluene	1	2.8	U
156-60-5	trans-1,2-Dichloroethylene	1	2.8	U
10061-02-6	trans-1,3-Dichloropropylene	1	2.8	U
110-57-6	trans-1,4-dichloro-2-butene	1	2.8	U
79-01-6	Trichloroethylene	1	3.8	
75-69-4	Trichlorofluoromethane	1	2.8	U
75-01-4	Vinyl Chloride	1	2.8	U
1330-20-7	Xylenes, Total	1	8.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	52.1	104	77 - 125	
SURR: Toluene-d8	50.0	54.9	110	85 - 120	
SURR: p-Bromofluorobenzene	50.0	59.7	119	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	438725	4.877	380220	4.883	
ISTD: Chlorobenzene-d5	1407533	7.843	1421115	7.843	
ISTD: 1,2-Dichlorobenzene-d4	458293	10.792	691776	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414096.D
Acq On : 8 Sep 2020 5:41 pm
Operator : TMP
Sample : 20I0216-01
Misc : QBQV4090820A 8260 COMP B 9.01G
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 09:35:56 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

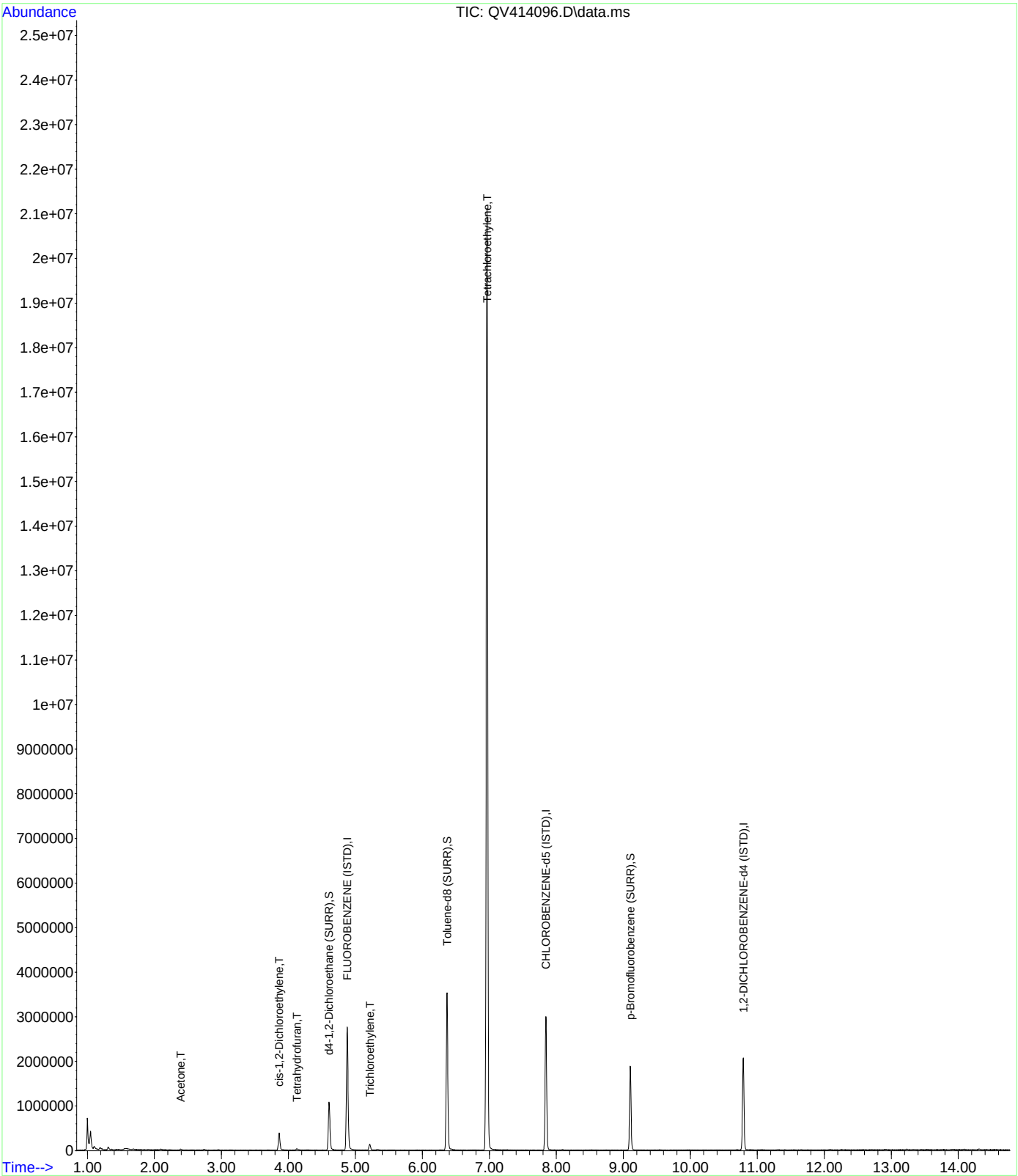
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	438725	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1407533	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	458293	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.605	65	714329	52.12	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 104.24%			
54) Toluene-d8 (SURR)	6.369	98	2070674	54.93	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 109.86%			
73) p-Bromofluorobenzene (...	9.106	95	636819	59.73	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 119.46%			
Target Compounds						Qvalue
13) Acetone	2.390	43	28794	11.64	ppb	# 41
26) cis-1,2-Dichloroethylene	3.859	61	210119	17.65	ppb	94
29) Tetrahydrofuran	4.126	42	19910	11.35	ppb	# 75
42) Trichloroethylene	5.217	95	42500	6.79	ppb	79
59) Tetrachloroethylene	6.967	166	5540299	1001.16	ppb	97

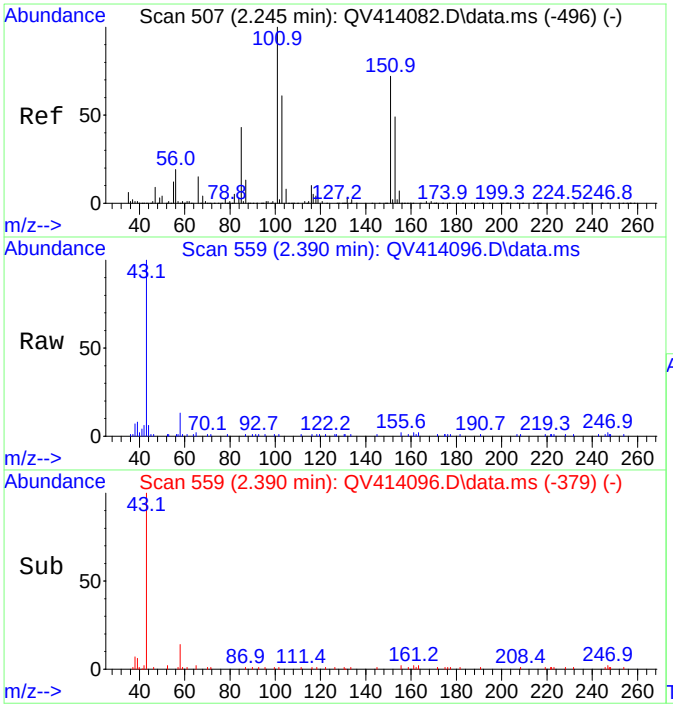
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414096.D
Acq On : 8 Sep 2020 5:41 pm
Operator : TMP
Sample : 20I0216-01
Misc : QBQV4090820A 8260 COMP B 9.01G
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Sep 09 09:35:56 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

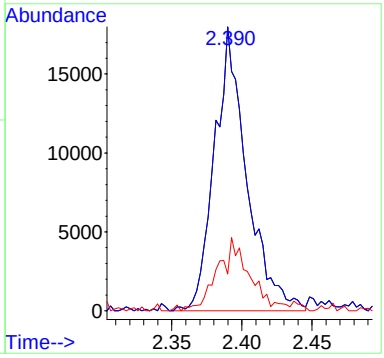


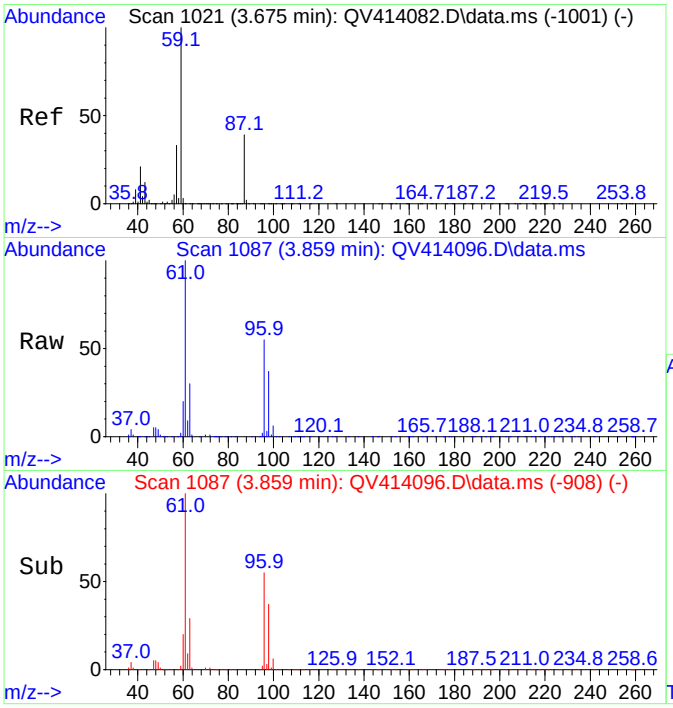


#13
Acetone
Concen: 11.64 ppb
RT: 2.390 min Scan# 559
Delta R.T. -0.000 min
Lab File: QV414096.D
Acq: 8 Sep 2020 5:41 pm

Tgt Ion: 43 Resp: 28794

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	24.8	15.1	45.3

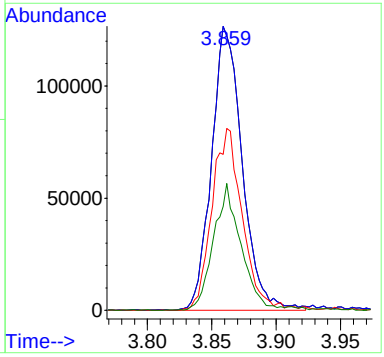


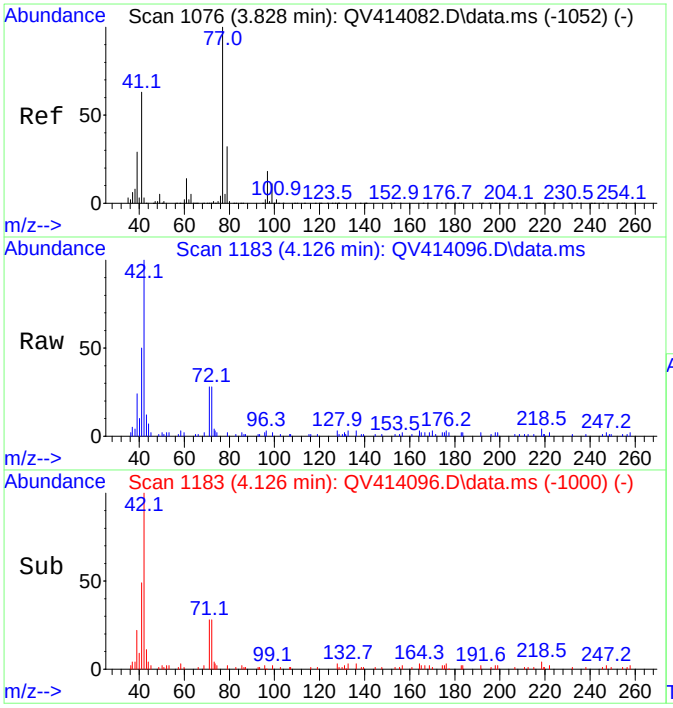


#26
cis-1,2-Dichloroethylene
Concen: 17.65 ppb
RT: 3.859 min Scan# 1087
Delta R.T. -0.003 min
Lab File: QV414096.D
Acq: 8 Sep 2020 5:41 pm

Tgt Ion: 61 Resp: 210119

Ion	Ratio	Lower	Upper
61	100		
61	100.0	65.0	135.0
96	63.4	47.5	98.7
98	39.5	30.9	64.1

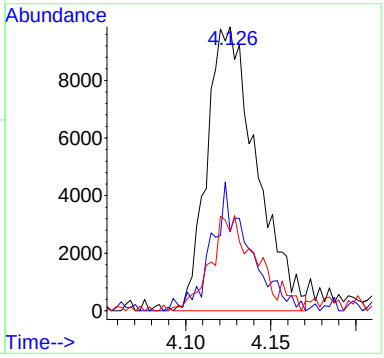


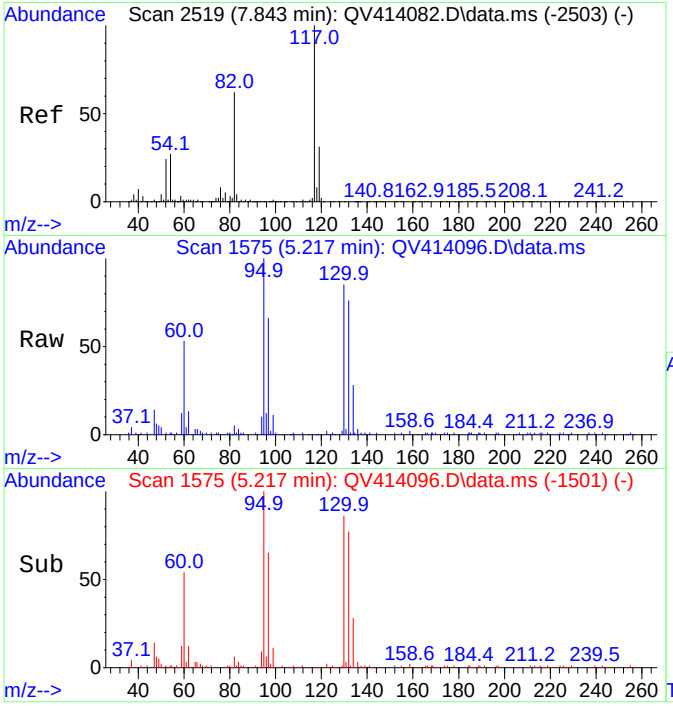


#29
Tetrahydrofuran
Concen: 11.35 ppb
RT: 4.126 min Scan# 1183
Delta R.T. 0.008 min
Lab File: QV414096.D
Acq: 8 Sep 2020 5:41 pm

Tgt Ion: 42 Resp: 19910

Ion	Ratio	Lower	Upper
42	100		
71	34.0	25.4	59.4
72	29.0	31.9	74.5#

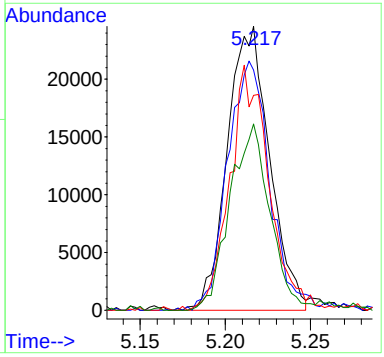


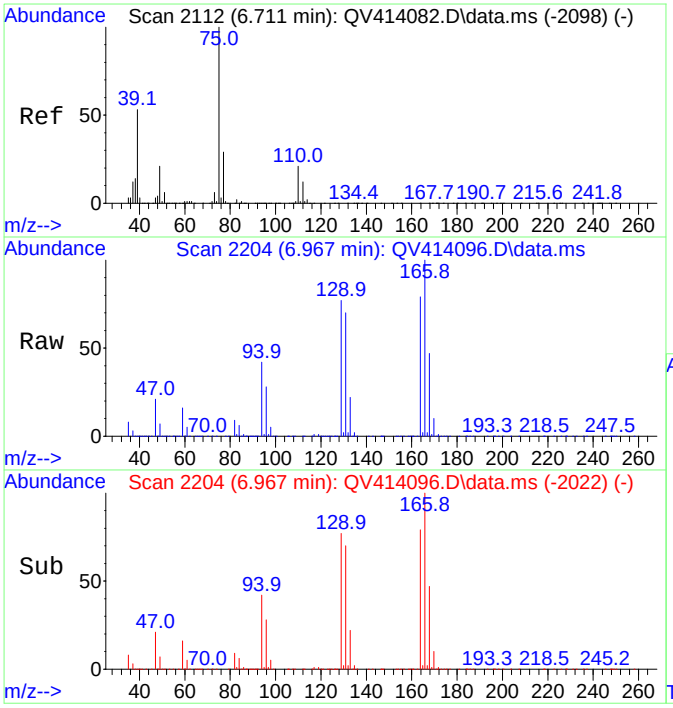


#42
Trichloroethylene
Concen: 6.79 ppb
RT: 5.217 min Scan# 1575
Delta R.T. 0.006 min
Lab File: QV414096.D
Acq: 8 Sep 2020 5:41 pm

Tgt Ion: 95 Resp: 42500

Ion	Ratio	Lower	Upper
95	100		
130	87.8	73.4	152.5
132	79.6	71.0	147.6
97	62.1	42.0	87.2

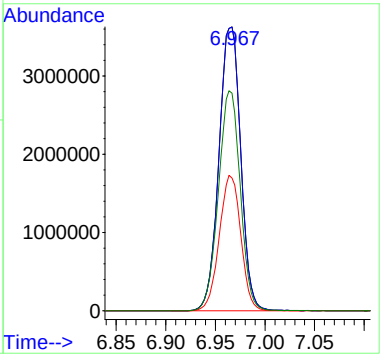




#59
Tetrachloroethylene
Concen: 1001.16 ppb
RT: 6.967 min Scan# 2204
Delta R.T. 0.006 min
Lab File: QV414096.D
Acq: 8 Sep 2020 5:41 pm

Tgt Ion:166 Resp: 5540299

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	47.2	30.2	62.6
129	77.8	45.8	95.2



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-17 (4-5)

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	20I0216-01RE1	File ID:	QV115768.D
Sampled:	09/03/20 13:25	Prepared:	09/08/20 06:12	Analyzed:	09/11/20 09:31
Solids:	98.40	Preparation:	EPA 5035A	Initial/Final:	9.01 g / 5 ml
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005
Instrument:	QVOA1				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
127-18-4	Tetrachloroethylene	1000	43000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.3	98.6	77 - 125	D
SURR: Toluene-d8	50.0	50.5	101	85 - 120	D
SURR: p-Bromofluorobenzene	50.0	47.9	95.9	76 - 130	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	771463	5.005	559357	5.007	
ISTD: Chlorobenzene-d5	3184754	7.979	2344009	7.979	
ISTD: 1,2-Dichlorobenzene-d4	1575303	10.925	1154727	10.925	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115768.D
Acq On : 11 Sep 2020 9:31 am
Operator : TMP
Sample : 20I0216-01RE1
Misc : QBQV1091020B 8260 D 9.85G 10UL/5ML
ALS Vial : 51 Sample Multiplier: 1000

Quant Time: Sep 11 16:35:17 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

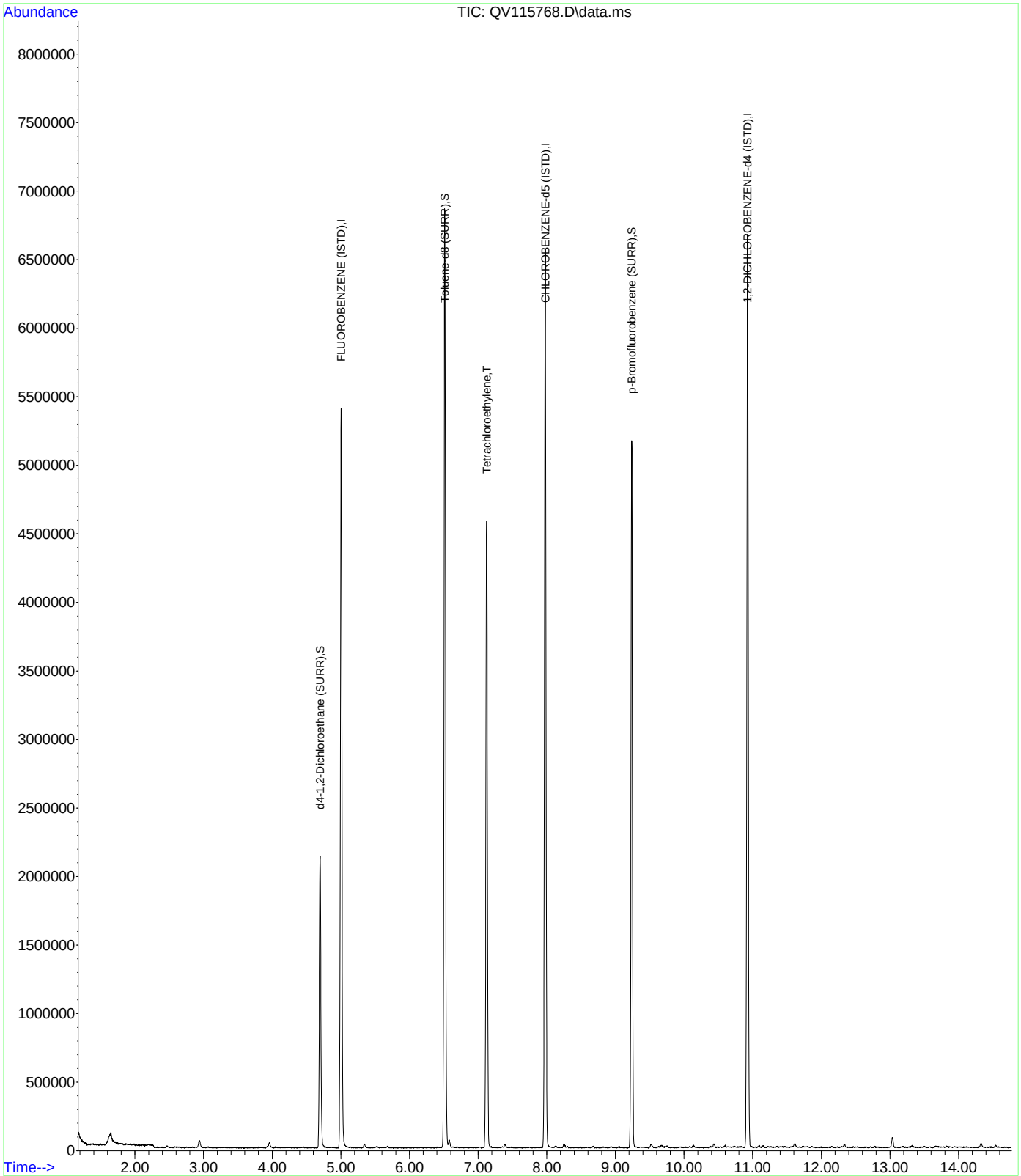
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.005	70	771463	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	3184754	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.925	152	1575303	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.699	65	1193341	49.31	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.62%			
54) Toluene-d8 (SURR)	6.513	98	3970660	50.52	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 101.04%			
73) p-Bromofluorobenzene (...	9.236	95	1600342	47.94	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 95.88%			
Target Compounds						Qvalue
59) Tetrachloroethylene	7.125	166	1114110	75.39	ppb	# 72

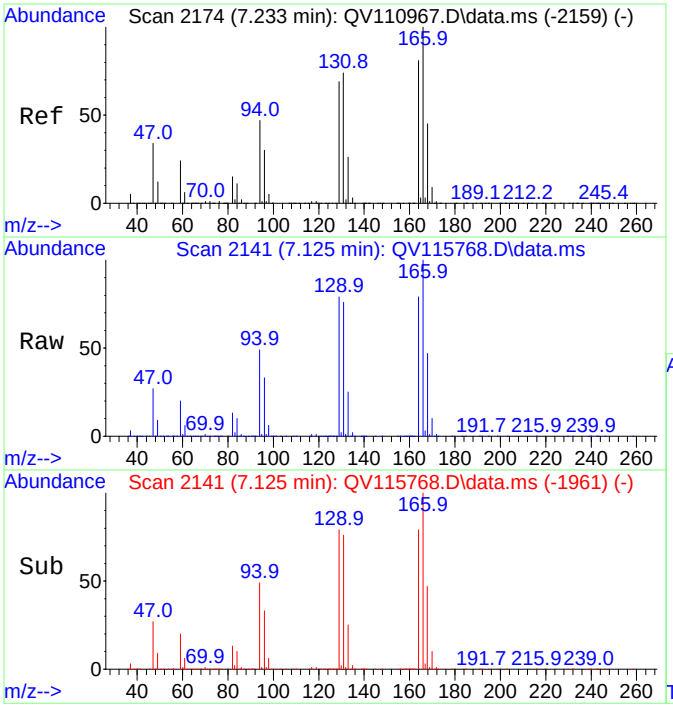
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115768.D
Acq On : 11 Sep 2020 9:31 am
Operator : TMP
Sample : 20I0216-01RE1
Misc : QBQV1091020B 8260 D 9.85G 10UL/5ML
ALS Vial : 51 Sample Multiplier: 1000

Quant Time: Sep 11 16:35:17 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

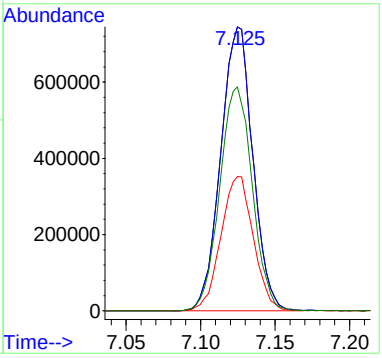




#59
Tetrachloroethylene
Concen: 75.39 ppb
RT: 7.125 min Scan# 2141
Delta R.T. -0.000 min
Lab File: QV115768.D
Acq: 11 Sep 2020 9:31 am

Tgt Ion:166 Resp: 1114110

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	47.9	30.2	62.6
129	0.0	45.8	95.2#



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-19 (2-4)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-02 File ID: QV414115.D

Sampled: 09/03/20 13:30 Prepared: 09/09/20 06:42 Analyzed: 09/09/20 13:03

Solids: 99.43 Preparation: EPA 5035A Initial/Final: 9.12 g / 5 ml

Batch: BI00637 Sequence: Y0I1141 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	2.8	U
71-55-6	1,1,1-Trichloroethane	1	2.8	U
79-34-5	1,1,2,2-Tetrachloroethane	1	2.8	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	2.8	U
79-00-5	1,1,2-Trichloroethane	1	2.8	U
75-34-3	1,1-Dichloroethane	1	2.8	U
75-35-4	1,1-Dichloroethylene	1	2.8	U
87-61-6	1,2,3-Trichlorobenzene	1	2.8	U
96-18-4	1,2,3-Trichloropropane	1	2.8	U
120-82-1	1,2,4-Trichlorobenzene	1	2.8	U
95-63-6	1,2,4-Trimethylbenzene	1	2.8	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.8	U
106-93-4	1,2-Dibromoethane	1	2.8	U
95-50-1	1,2-Dichlorobenzene	1	2.8	U
107-06-2	1,2-Dichloroethane	1	2.8	U
78-87-5	1,2-Dichloropropane	1	2.8	U
108-67-8	1,3,5-Trimethylbenzene	1	2.8	U
541-73-1	1,3-Dichlorobenzene	1	2.8	U
106-46-7	1,4-Dichlorobenzene	1	2.8	U
123-91-1	1,4-Dioxane	1	55	U
78-93-3	2-Butanone	1	2.8	U
591-78-6	2-Hexanone	1	2.8	U
108-10-1	4-Methyl-2-pentanone	1	2.8	U
67-64-1	Acetone	1	5.5	U
107-02-8	Acrolein	1	5.5	U
107-13-1	Acrylonitrile	1	2.8	U
71-43-2	Benzene	1	2.8	U
74-97-5	Bromochloromethane	1	2.8	U
75-27-4	Bromodichloromethane	1	2.8	U
75-25-2	Bromoform	1	2.8	U
74-83-9	Bromomethane	1	2.8	U
75-15-0	Carbon disulfide	1	2.8	U
56-23-5	Carbon tetrachloride	1	2.8	U
108-90-7	Chlorobenzene	1	2.8	U
75-00-3	Chloroethane	1	2.8	U
67-66-3	Chloroform	1	2.8	U
74-87-3	Chloromethane	1	2.8	U
156-59-2	cis-1,2-Dichloroethylene	1	2.8	U
10061-01-5	cis-1,3-Dichloropropylene	1	2.8	U
110-82-7	Cyclohexane	1	2.8	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-19 (2-4)

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	20I0216-02	File ID:	QV414115.D
Sampled:	09/03/20 13:30	Prepared:	09/09/20 06:42	Analyzed:	09/09/20 13:03
Solids:	99.43	Preparation:	EPA 5035A	Initial/Final:	9.12 g / 5 ml
Batch:	BI00637	Sequence:	Y0I1141	Calibration:	YH00003
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	2.8	U
74-95-3	Dibromomethane	1	2.8	U
75-71-8	Dichlorodifluoromethane	1	2.8	U
100-41-4	Ethyl Benzene	1	2.8	U
87-68-3	Hexachlorobutadiene	1	2.8	U
98-82-8	Isopropylbenzene	1	2.8	U
79-20-9	Methyl acetate	1	2.8	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	2.8	U
108-87-2	Methylcyclohexane	1	2.8	U
75-09-2	Methylene chloride	1	5.5	U
104-51-8	n-Butylbenzene	1	2.8	U
103-65-1	n-Propylbenzene	1	2.8	U
95-47-6	o-Xylene	1	2.8	U
179601-23-1	p- & m- Xylenes	1	5.5	U
99-87-6	p-Isopropyltoluene	1	2.8	U
135-98-8	sec-Butylbenzene	1	2.8	U
100-42-5	Styrene	1	2.8	U
75-65-0	tert-Butyl alcohol (TBA)	1	2.8	U
98-06-6	tert-Butylbenzene	1	2.8	U
127-18-4	Tetrachloroethylene	1	46	
108-88-3	Toluene	1	2.8	U
156-60-5	trans-1,2-Dichloroethylene	1	2.8	U
10061-02-6	trans-1,3-Dichloropropylene	1	2.8	U
110-57-6	trans-1,4-dichloro-2-butene	1	2.8	U
79-01-6	Trichloroethylene	1	2.8	U
75-69-4	Trichlorofluoromethane	1	2.8	U
75-01-4	Vinyl Chloride	1	2.8	U
1330-20-7	Xylenes, Total	1	8.3	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	47.2	94.3	77 - 125	
SURR: Toluene-d8	50.0	50.2	100	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.2	98.3	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	639160	4.877	640233	4.877	
ISTD: Chlorobenzene-d5	2361403	7.843	2339560	7.846	
ISTD: 1,2-Dichlorobenzene-d4	1036586	10.79	1144365	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414115.D
Acq On : 9 Sep 2020 1:03 pm
Operator : TMP
Sample : 20I0216-02
Misc : QBQV4090920A COMP C 9.12G
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 14:37:54 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

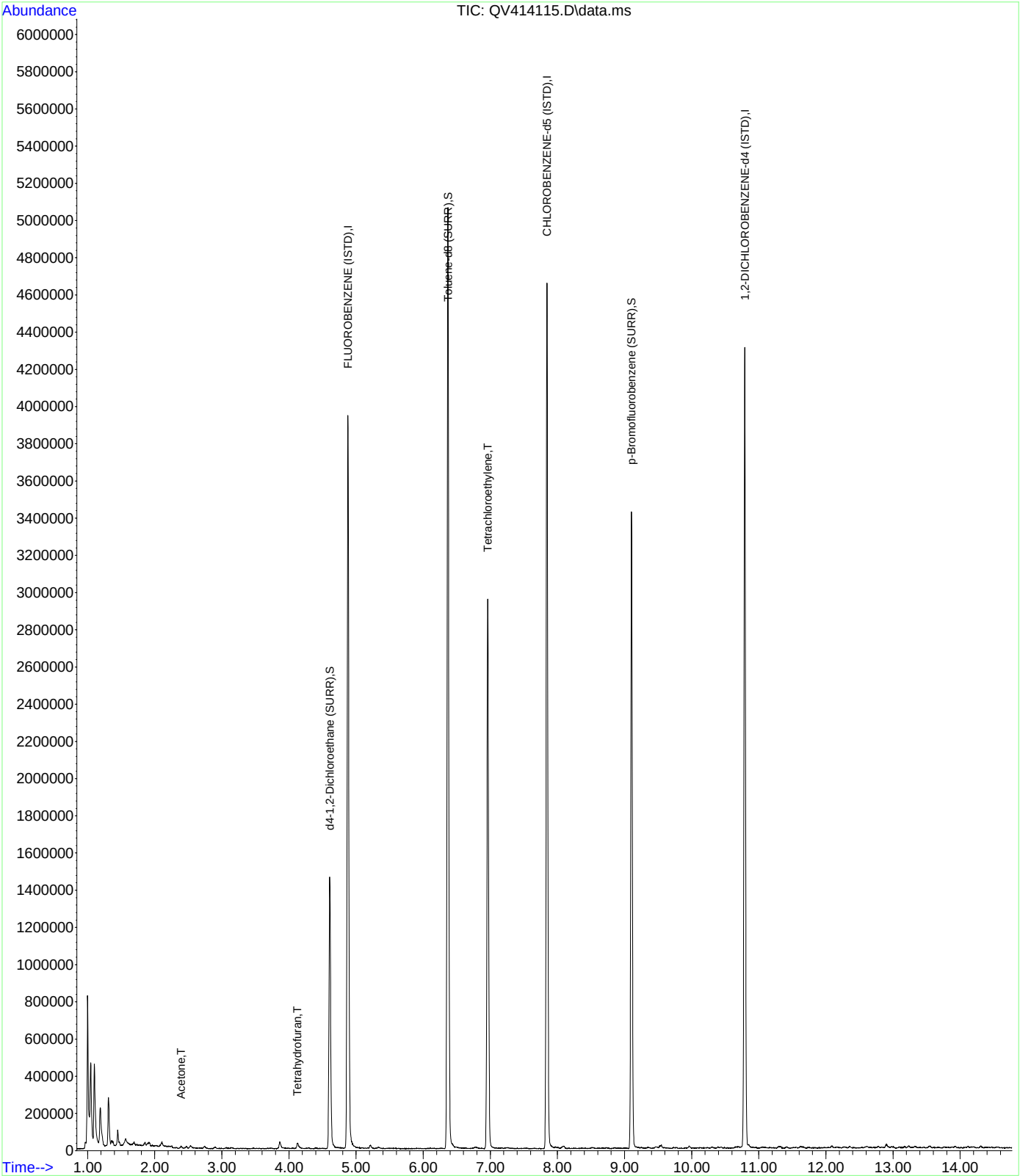
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	639160	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2361403	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	1036586	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	941365	47.15	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 94.30%			
54) Toluene-d8 (SURR)	6.369	98	3177359	50.24	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.48%			
73) p-Bromofluorobenzene (...	9.104	95	1185761	49.17	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 98.34%			
Target Compounds						Qvalue
13) Acetone	2.390	43	15596	4.33	ppb	# 40
29) Tetrahydrofuran	4.123	42	19070	7.46	ppb	# 66
59) Tetrachloroethylene	6.961	166	779376	83.95	ppb	# 72

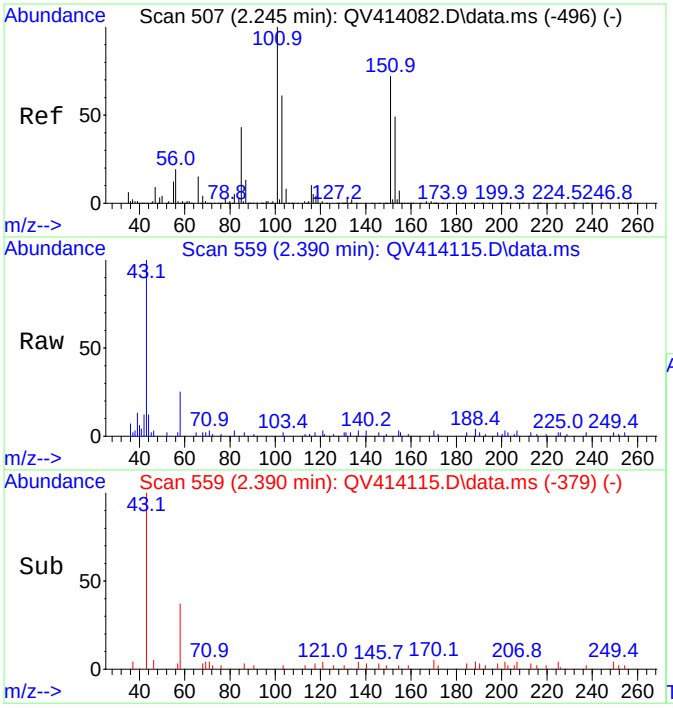
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414115.D
Acq On : 9 Sep 2020 1:03 pm
Operator : TMP
Sample : 20I0216-02
Misc : QBQV4090920A COMP C 9.12G
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Sep 10 14:37:54 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

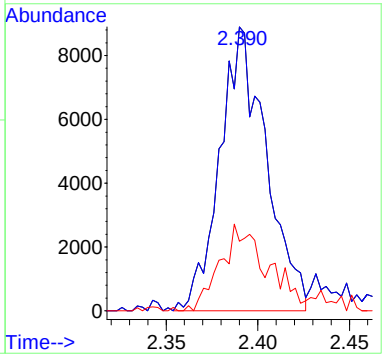


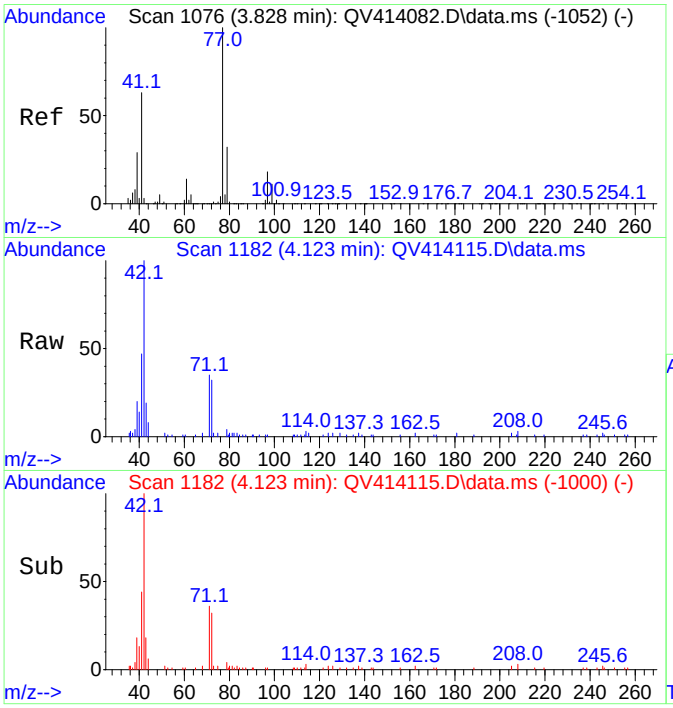


#13
Acetone
Concen: 4.33 ppb
RT: 2.390 min Scan# 559
Delta R.T. -0.000 min
Lab File: QV414115.D
Acq: 9 Sep 2020 1:03 pm

Tgt Ion: 43 Resp: 15596

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	23.5	15.1	45.3

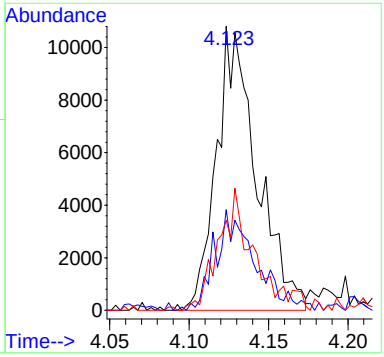


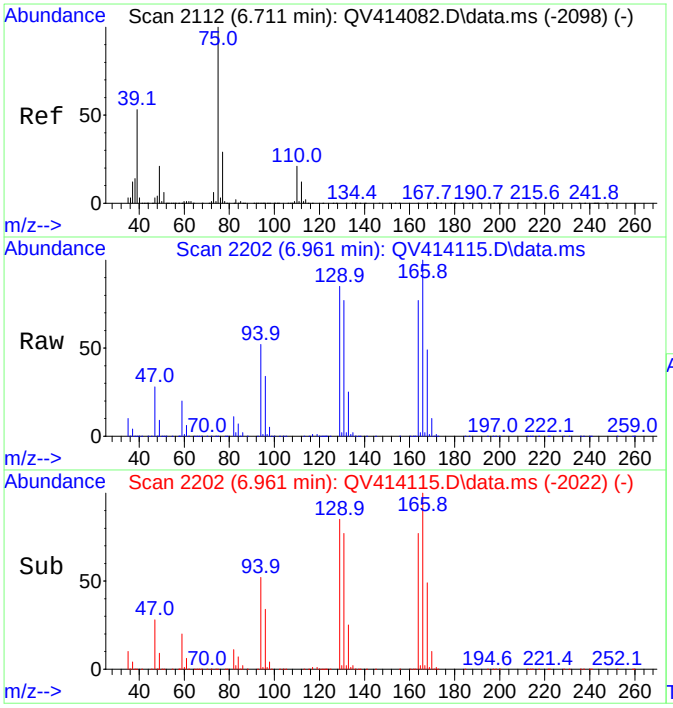


#29
Tetrahydrofuran
Concen: 7.46 ppb
RT: 4.123 min Scan# 1182
Delta R.T. 0.005 min
Lab File: QV414115.D
Acq: 9 Sep 2020 1:03 pm

Tgt Ion: 42 Resp: 19070

Ion	Ratio	Lower	Upper
42	100		
71	14.5	25.4	59.4#
72	34.4	31.9	74.5

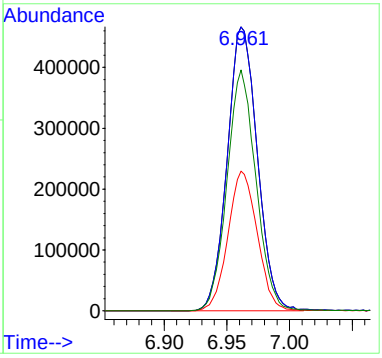




#59
Tetrachloroethylene
Concen: 83.95 ppb
RT: 6.961 min Scan# 2202
Delta R.T. 0.000 min
Lab File: QV414115.D
Acq: 9 Sep 2020 1:03 pm

Tgt Ion:166 Resp: 779376

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	47.9	30.2	62.6
129	0.0	45.8	95.2#



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-20 (4-6)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-03 File ID: QV414098.D

Sampled: 09/03/20 13:35 Prepared: 09/08/20 06:12 Analyzed: 09/08/20 18:34

Solids: 97.04 Preparation: EPA 5035A Initial/Final: 10.34 g / 5 ml

Batch: BI00456 Sequence: Y0I1045 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	2.5	U
71-55-6	1,1,1-Trichloroethane	1	2.5	U
79-34-5	1,1,2,2-Tetrachloroethane	1	2.5	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	2.5	U
79-00-5	1,1,2-Trichloroethane	1	2.5	U
75-34-3	1,1-Dichloroethane	1	2.5	U
75-35-4	1,1-Dichloroethylene	1	2.5	U
87-61-6	1,2,3-Trichlorobenzene	1	2.5	U
96-18-4	1,2,3-Trichloropropane	1	2.5	U
120-82-1	1,2,4-Trichlorobenzene	1	2.5	U
95-63-6	1,2,4-Trimethylbenzene	1	2.5	U
96-12-8	1,2-Dibromo-3-chloropropane	1	2.5	U
106-93-4	1,2-Dibromoethane	1	2.5	U
95-50-1	1,2-Dichlorobenzene	1	2.5	U
107-06-2	1,2-Dichloroethane	1	2.5	U
78-87-5	1,2-Dichloropropane	1	2.5	U
108-67-8	1,3,5-Trimethylbenzene	1	2.5	U
541-73-1	1,3-Dichlorobenzene	1	2.5	U
106-46-7	1,4-Dichlorobenzene	1	2.5	U
123-91-1	1,4-Dioxane	1	50	U
78-93-3	2-Butanone	1	2.5	U
591-78-6	2-Hexanone	1	2.5	U
108-10-1	4-Methyl-2-pentanone	1	2.5	U
67-64-1	Acetone	1	6.6	
107-02-8	Acrolein	1	5.0	U
107-13-1	Acrylonitrile	1	2.5	U
71-43-2	Benzene	1	2.5	U
74-97-5	Bromochloromethane	1	2.5	U
75-27-4	Bromodichloromethane	1	2.5	U
75-25-2	Bromoform	1	2.5	U
74-83-9	Bromomethane	1	2.5	U
75-15-0	Carbon disulfide	1	2.5	U
56-23-5	Carbon tetrachloride	1	2.5	U
108-90-7	Chlorobenzene	1	2.5	U
75-00-3	Chloroethane	1	2.5	U
67-66-3	Chloroform	1	2.5	U
74-87-3	Chloromethane	1	2.5	U
156-59-2	cis-1,2-Dichloroethylene	1	2.5	U
10061-01-5	cis-1,3-Dichloropropylene	1	2.5	U
110-82-7	Cyclohexane	1	2.5	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-20 (4-6)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-03 File ID: QV414098.D

Sampled: 09/03/20 13:35 Prepared: 09/08/20 06:12 Analyzed: 09/08/20 18:34

Solids: 97.04 Preparation: EPA 5035A Initial/Final: 10.34 g / 5 ml

Batch: BI00456 Sequence: Y0I1045 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	2.5	U
74-95-3	Dibromomethane	1	2.5	U
75-71-8	Dichlorodifluoromethane	1	2.5	U
100-41-4	Ethyl Benzene	1	2.5	U
87-68-3	Hexachlorobutadiene	1	2.5	U
98-82-8	Isopropylbenzene	1	2.5	U
79-20-9	Methyl acetate	1	2.5	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	2.5	U
108-87-2	Methylcyclohexane	1	2.5	U
75-09-2	Methylene chloride	1	5.0	U
104-51-8	n-Butylbenzene	1	2.5	U
103-65-1	n-Propylbenzene	1	2.5	U
95-47-6	o-Xylene	1	2.5	U
179601-23-1	p- & m- Xylenes	1	5.0	U
99-87-6	p-Isopropyltoluene	1	2.5	U
135-98-8	sec-Butylbenzene	1	2.5	U
100-42-5	Styrene	1	2.5	U
75-65-0	tert-Butyl alcohol (TBA)	1	2.5	U
98-06-6	tert-Butylbenzene	1	2.5	U
127-18-4	Tetrachloroethylene	1	15	
108-88-3	Toluene	1	2.5	U
156-60-5	trans-1,2-Dichloroethylene	1	2.5	U
10061-02-6	trans-1,3-Dichloropropylene	1	2.5	U
110-57-6	trans-1,4-dichloro-2-butene	1	2.5	U
79-01-6	Trichloroethylene	1	2.5	U
75-69-4	Trichlorofluoromethane	1	2.5	U
75-01-4	Vinyl Chloride	1	2.5	U
1330-20-7	Xylenes, Total	1	7.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.2	102	77 - 125	
SURR: Toluene-d8	50.0	50.0	100	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.0	104	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	447398	4.877	380220	4.883	
ISTD: Chlorobenzene-d5	1608267	7.843	1421115	7.843	
ISTD: 1,2-Dichlorobenzene-d4	715656	10.789	691776	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414098.D
Acq On : 8 Sep 2020 6:34 pm
Operator : TMP
Sample : 20I0216-03
Misc : QBQV4090820A 8260 COMP B 10.34G
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 09 09:36:04 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

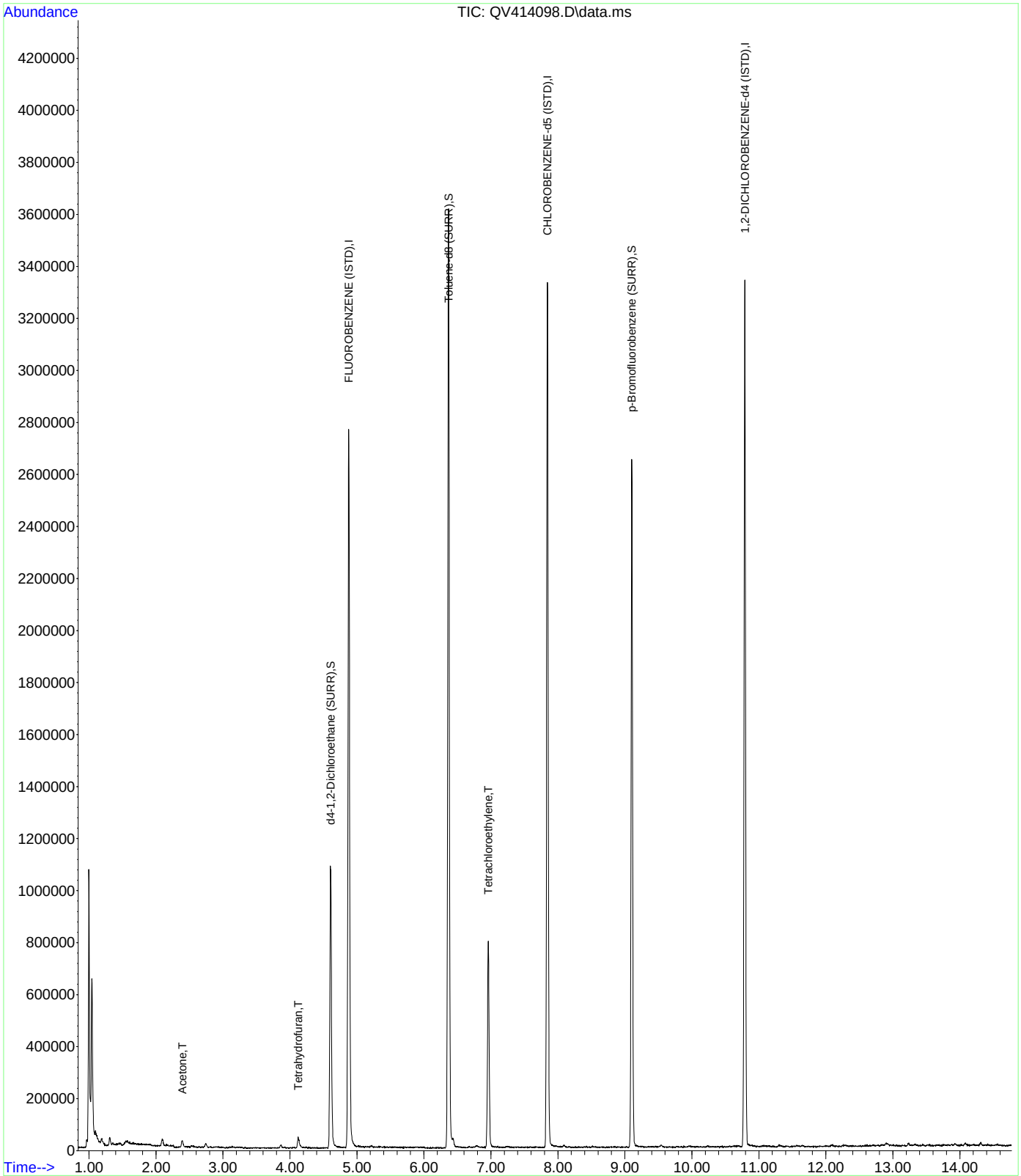
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	447398	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1608267	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.789	152	715656	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	716256	51.25	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 102.50%			
54) Toluene-d8 (SURR)	6.368	98	2154261	50.01	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.02%			
73) p-Bromofluorobenzene (...	9.103	95	866083	52.02	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 104.04%			
Target Compounds						Qvalue
13) Acetone	2.393	43	33297	13.20	ppb	# 21
29) Tetrahydrofuran	4.123	42	24832	13.88	ppb	# 64
59) Tetrachloroethylene	6.961	166	184360	29.16	ppb	# 78

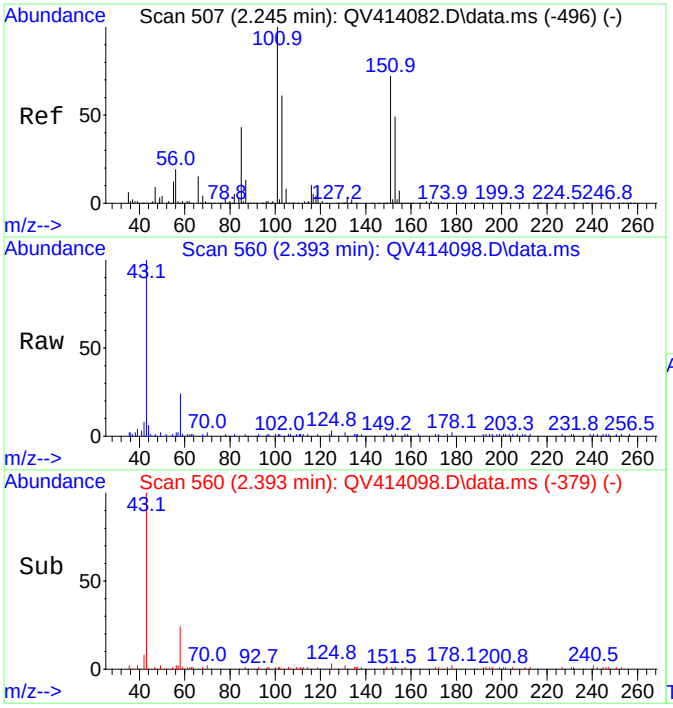
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414098.D
Acq On : 8 Sep 2020 6:34 pm
Operator : TMP
Sample : 20I0216-03
Misc : QBQV4090820A 8260 COMP B 10.34G
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 09 09:36:04 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

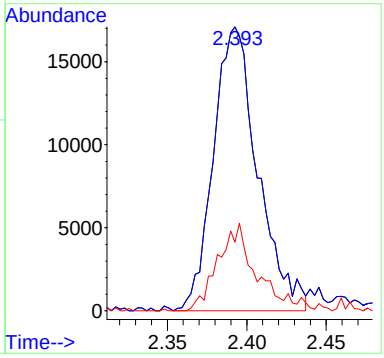


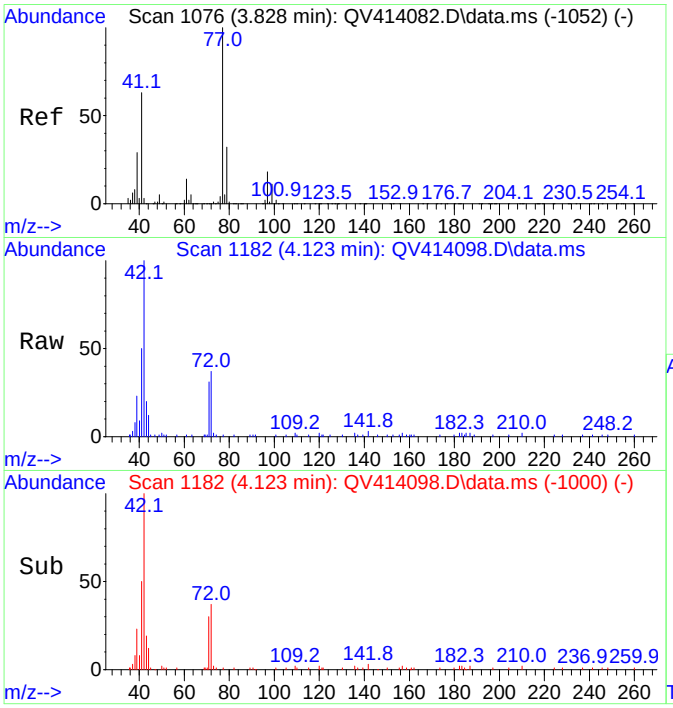


#13
Acetone
Concen: 13.20 ppb
RT: 2.393 min Scan# 560
Delta R.T. 0.003 min
Lab File: QV414098.D
Acq: 8 Sep 2020 6:34 pm

Tgt Ion: 43 Resp: 33297

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	0.0	15.1	45.3#

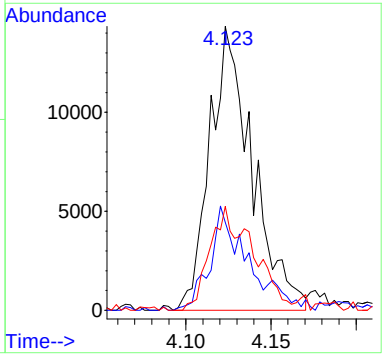


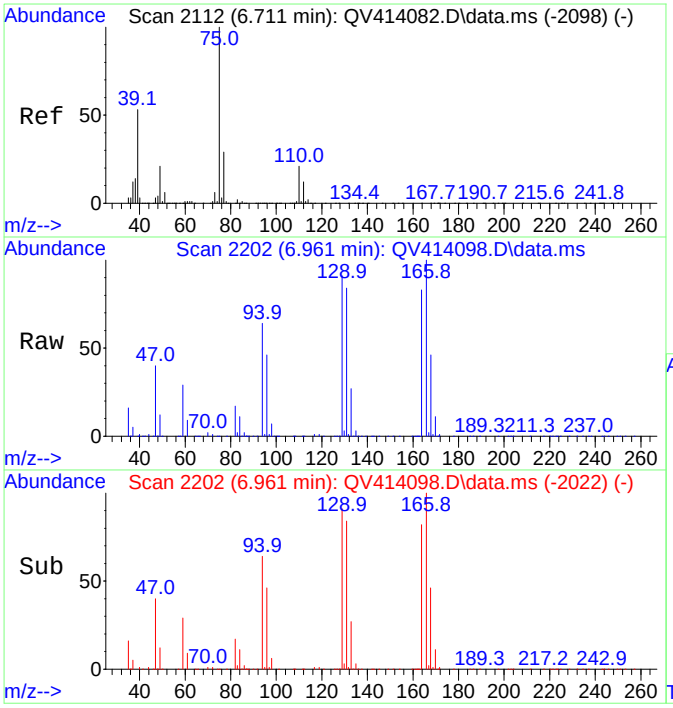


#29
Tetrahydrofuran
Concen: 13.88 ppb
RT: 4.123 min Scan# 1182
Delta R.T. 0.005 min
Lab File: QV414098.D
Acq: 8 Sep 2020 6:34 pm

Tgt Ion: 42 Resp: 24832

Ion	Ratio	Lower	Upper
42	100		
71	27.9	25.4	59.4
72	20.3	31.9	74.5#

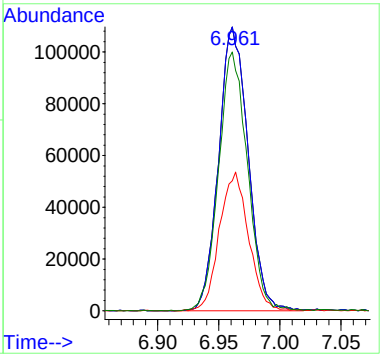




#59
Tetrachloroethylene
Concen: 29.16 ppb
RT: 6.961 min Scan# 2202
Delta R.T. 0.000 min
Lab File: QV414098.D
Acq: 8 Sep 2020 6:34 pm

Tgt Ion:166 Resp: 184360

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	0.0	30.2	62.6#
129	89.5	45.8	95.2



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-18 (2-4)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-04 File ID: QV414099.D

Sampled: 09/03/20 14:10 Prepared: 09/08/20 06:12 Analyzed: 09/08/20 19:17

Solids: 96.26 Preparation: EPA 5035A Initial/Final: 7.93 g / 5 ml

Batch: BI00456 Sequence: Y0I1045 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	3.3	U
71-55-6	1,1,1-Trichloroethane	1	3.3	U
79-34-5	1,1,2,2-Tetrachloroethane	1	3.3	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	3.3	U
79-00-5	1,1,2-Trichloroethane	1	3.3	U
75-34-3	1,1-Dichloroethane	1	3.3	U
75-35-4	1,1-Dichloroethylene	1	3.3	U
87-61-6	1,2,3-Trichlorobenzene	1	3.3	U
96-18-4	1,2,3-Trichloropropane	1	3.3	U
120-82-1	1,2,4-Trichlorobenzene	1	3.3	U
95-63-6	1,2,4-Trimethylbenzene	1	3.3	U
96-12-8	1,2-Dibromo-3-chloropropane	1	3.3	U
106-93-4	1,2-Dibromoethane	1	3.3	U
95-50-1	1,2-Dichlorobenzene	1	3.3	U
107-06-2	1,2-Dichloroethane	1	3.3	U
78-87-5	1,2-Dichloropropane	1	3.3	U
108-67-8	1,3,5-Trimethylbenzene	1	3.3	U
541-73-1	1,3-Dichlorobenzene	1	3.3	U
106-46-7	1,4-Dichlorobenzene	1	3.3	U
123-91-1	1,4-Dioxane	1	66	U
78-93-3	2-Butanone	1	3.3	U
591-78-6	2-Hexanone	1	3.3	U
108-10-1	4-Methyl-2-pentanone	1	3.3	U
67-64-1	Acetone	1	3.7	J
107-02-8	Acrolein	1	6.6	U
107-13-1	Acrylonitrile	1	3.3	U
71-43-2	Benzene	1	3.3	U
74-97-5	Bromochloromethane	1	3.3	U
75-27-4	Bromodichloromethane	1	3.3	U
75-25-2	Bromoform	1	3.3	U
74-83-9	Bromomethane	1	3.3	U
75-15-0	Carbon disulfide	1	3.3	U
56-23-5	Carbon tetrachloride	1	3.3	U
108-90-7	Chlorobenzene	1	3.3	U
75-00-3	Chloroethane	1	3.3	U
67-66-3	Chloroform	1	3.3	U
74-87-3	Chloromethane	1	3.3	U
156-59-2	cis-1,2-Dichloroethylene	1	6.4	
10061-01-5	cis-1,3-Dichloropropylene	1	3.3	U
110-82-7	Cyclohexane	1	3.3	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-18 (2-4)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-04 File ID: QV414099.D

Sampled: 09/03/20 14:10 Prepared: 09/08/20 06:12 Analyzed: 09/08/20 19:17

Solids: 96.26 Preparation: EPA 5035A Initial/Final: 7.93 g / 5 ml

Batch: BI00456 Sequence: Y0I1045 Calibration: YH00003 Instrument: QVOA4

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
124-48-1	Dibromochloromethane	1	3.3	U
74-95-3	Dibromomethane	1	3.3	U
75-71-8	Dichlorodifluoromethane	1	3.3	U
100-41-4	Ethyl Benzene	1	3.3	U
87-68-3	Hexachlorobutadiene	1	3.3	U
98-82-8	Isopropylbenzene	1	3.3	U
79-20-9	Methyl acetate	1	3.3	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	3.3	U
108-87-2	Methylcyclohexane	1	3.3	U
75-09-2	Methylene chloride	1	6.6	U
104-51-8	n-Butylbenzene	1	3.3	U
103-65-1	n-Propylbenzene	1	3.3	U
95-47-6	o-Xylene	1	3.3	U
179601-23-1	p- & m- Xylenes	1	6.6	U
99-87-6	p-Isopropyltoluene	1	3.3	U
135-98-8	sec-Butylbenzene	1	3.3	U
100-42-5	Styrene	1	3.3	U
75-65-0	tert-Butyl alcohol (TBA)	1	3.3	U
98-06-6	tert-Butylbenzene	1	3.3	U
108-88-3	Toluene	1	3.3	U
156-60-5	trans-1,2-Dichloroethylene	1	3.3	U
10061-02-6	trans-1,3-Dichloropropylene	1	3.3	U
110-57-6	trans-1,4-dichloro-2-butene	1	3.3	U
79-01-6	Trichloroethylene	1	2.0	J
75-69-4	Trichlorofluoromethane	1	3.3	U
75-01-4	Vinyl Chloride	1	3.3	U
1330-20-7	Xylenes, Total	1	9.8	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.7	103	77 - 125	
SURR: Toluene-d8	50.0	52.1	104	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.7	105	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	446327	4.88	380220	4.883	
ISTD: Chlorobenzene-d5	1555891	7.843	1421115	7.843	
ISTD: 1,2-Dichlorobenzene-d4	675250	10.789	691776	10.792	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414099.D
Acq On : 8 Sep 2020 7:17 pm
Operator : TMP
Sample : 20I0216-04
Misc : QBQV4090820A 8260 COMP B 7.93G
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 09 09:36:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

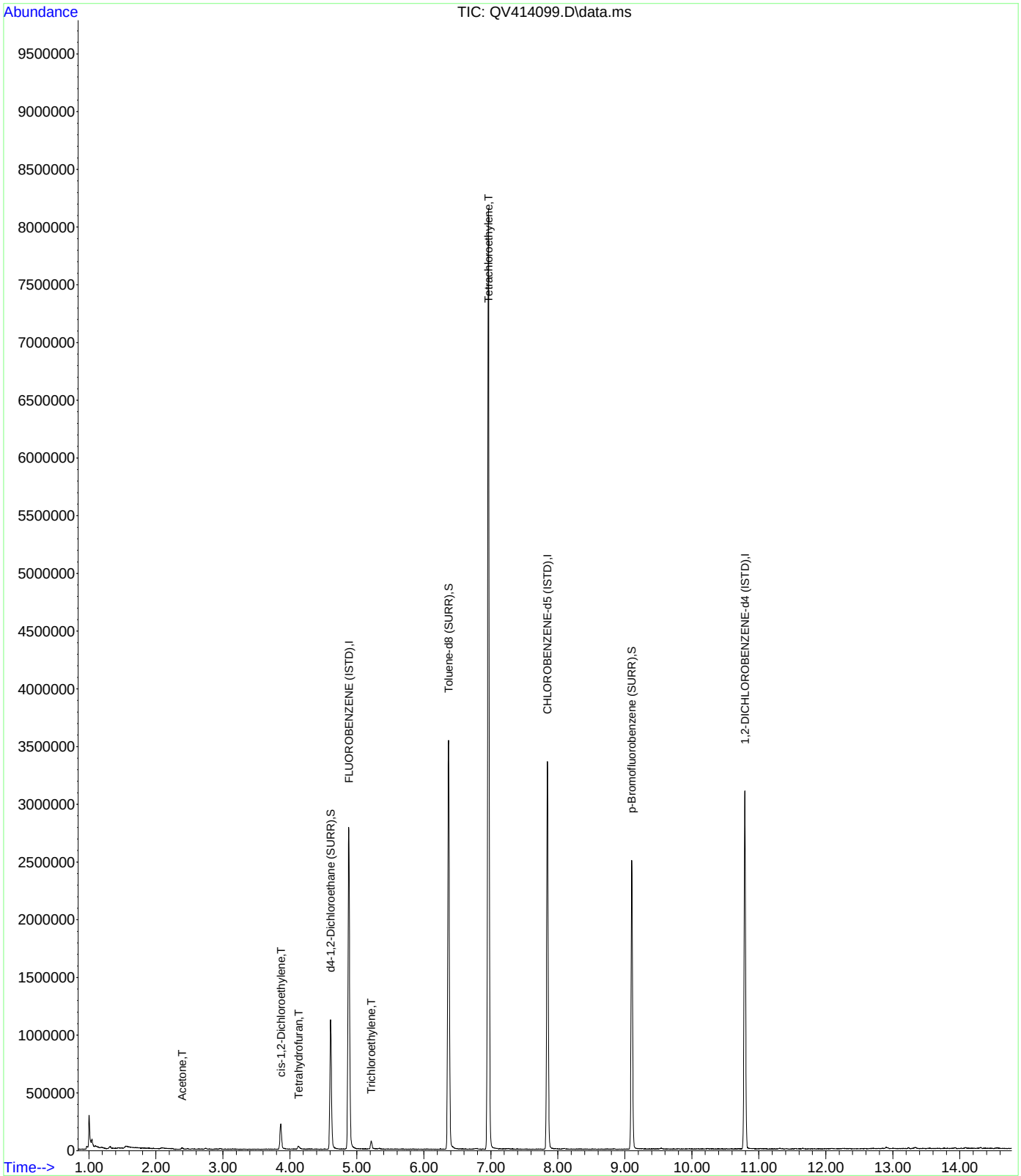
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	446327	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1555891	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.789	152	675250	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	721028	51.72	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 103.44%				
54) Toluene-d8 (SURR)	6.368	98	2169827	52.07	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 104.14%				
73) p-Bromofluorobenzene (...	9.103	95	827246	52.66	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 105.32%				
Target Compounds							Qvalue
13) Acetone	2.390	43	14260	5.67	ppb	#	32
26) cis-1,2-Dichloroethylene	3.864	61	117789	9.73	ppb		95
29) Tetrahydrofuran	4.129	42	16230	9.09	ppb		78
42) Trichloroethylene	5.214	95	20915	3.02	ppb		81
59) Tetrachloroethylene	6.964	166	1899204	310.47	ppb	#	72

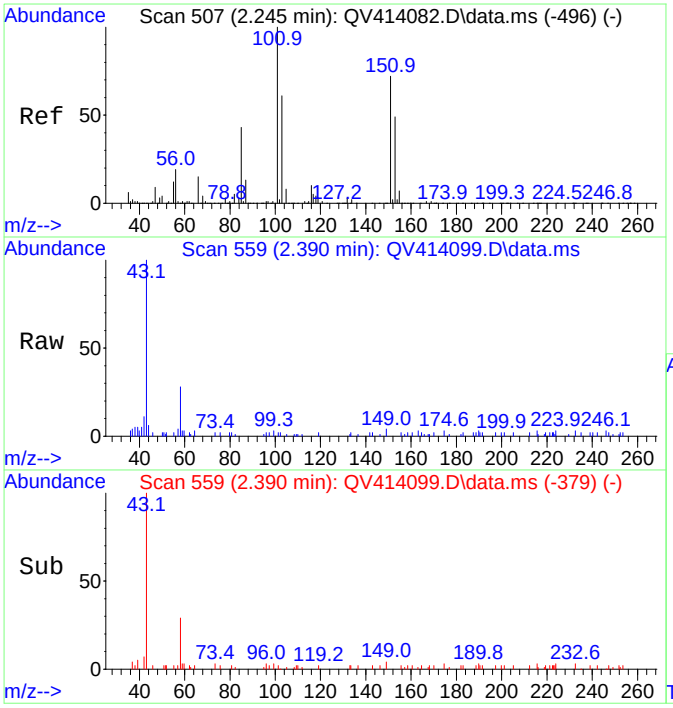
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414099.D
Acq On : 8 Sep 2020 7:17 pm
Operator : TMP
Sample : 20I0216-04
Misc : QBQV4090820A 8260 COMP B 7.93G
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Sep 09 09:36:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

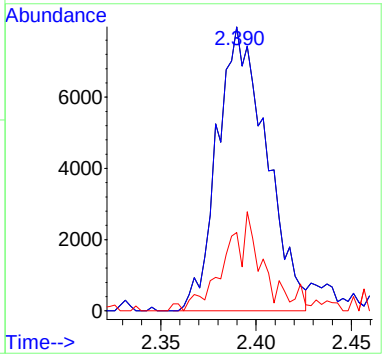


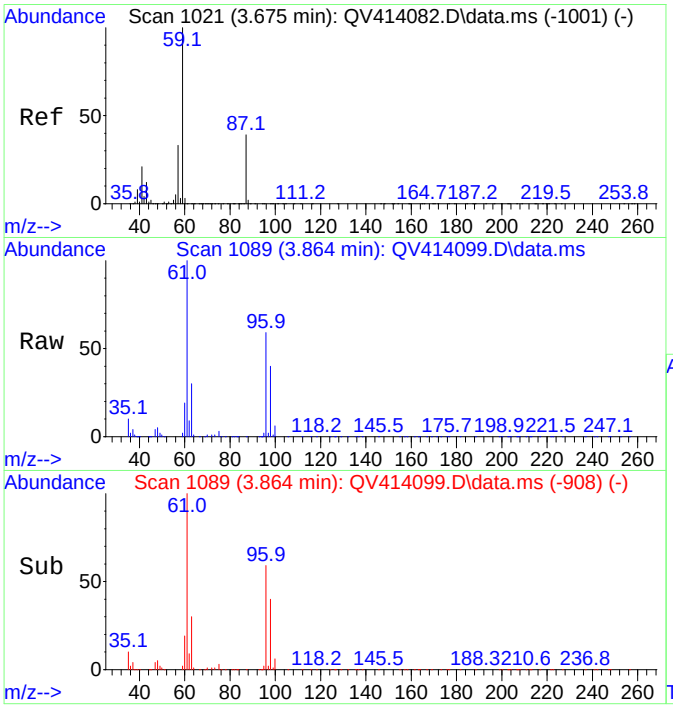


#13
Acetone
Concen: 5.67 ppb
RT: 2.390 min Scan# 559
Delta R.T. -0.000 min
Lab File: QV414099.D
Acq: 8 Sep 2020 7:17 pm

Tgt Ion: 43 Resp: 14260

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	13.7	15.1	45.3#

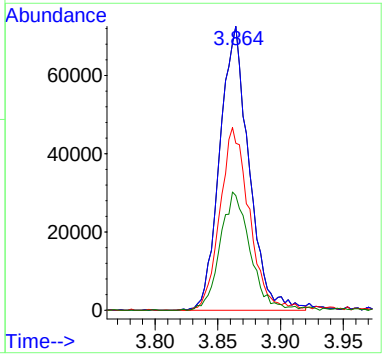


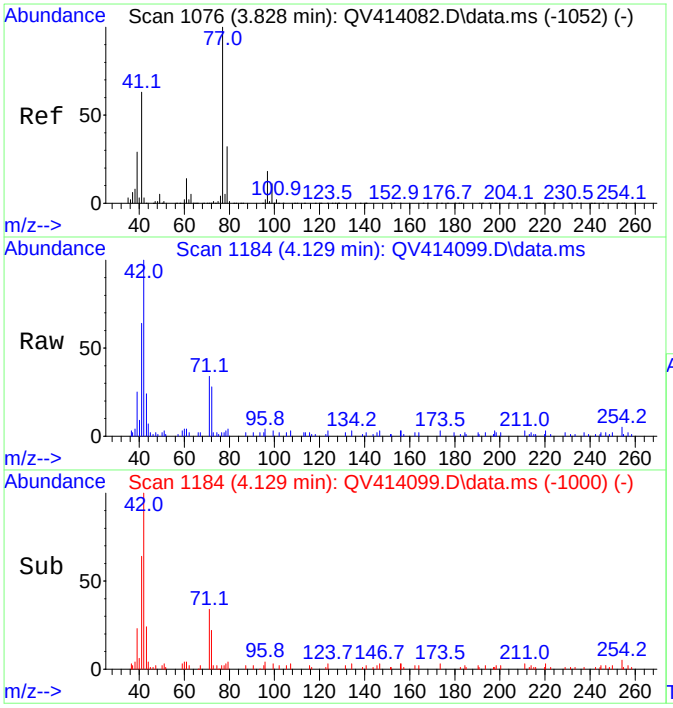


#26
cis-1,2-Dichloroethylene
Concen: 9.73 ppb
RT: 3.864 min Scan# 1089
Delta R.T. 0.002 min
Lab File: QV414099.D
Acq: 8 Sep 2020 7:17 pm

Tgt Ion: 61 Resp: 117789

Ion	Ratio	Lower	Upper
61	100		
61	100.0	65.0	135.0
96	64.8	47.5	98.7
98	42.4	30.9	64.1

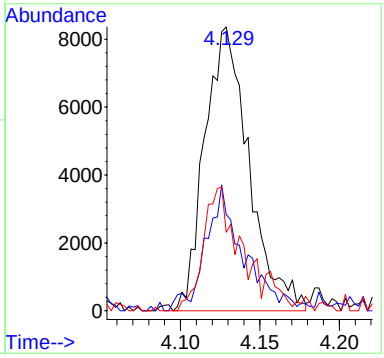


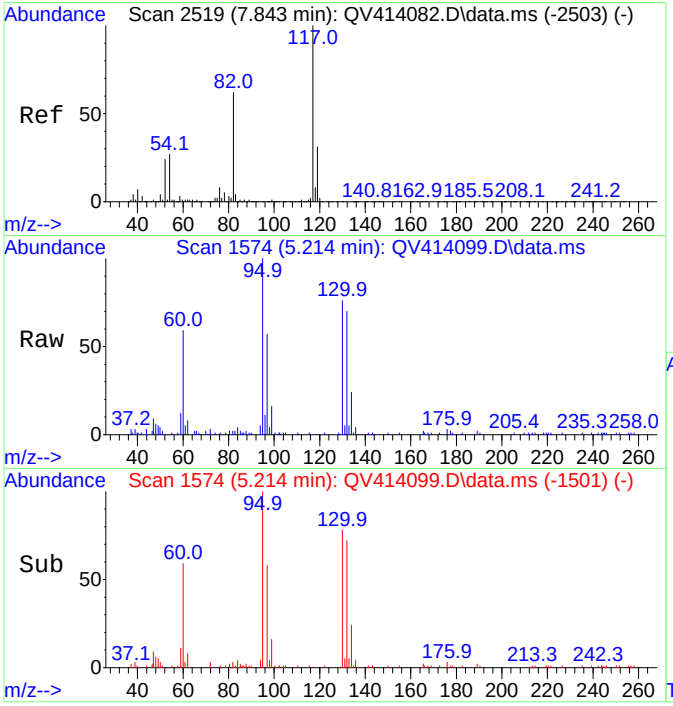


#29
Tetrahydrofuran
Concen: 9.09 ppb
RT: 4.129 min Scan# 1184
Delta R.T. 0.011 min
Lab File: QV414099.D
Acq: 8 Sep 2020 7:17 pm

Tgt Ion: 42 Resp: 16230

Ion	Ratio	Lower	Upper
42	100		
71	31.4	25.4	59.4
72	34.6	31.9	74.5

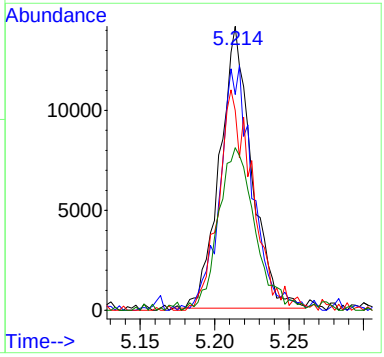


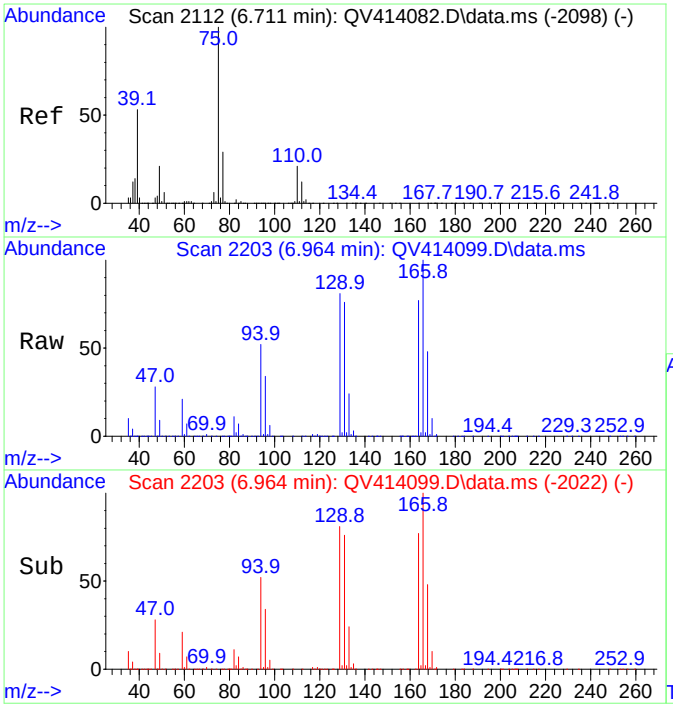


#42
Trichloroethylene
Concen: 3.02 ppb
RT: 5.214 min Scan# 1574
Delta R.T. 0.003 min
Lab File: QV414099.D
Acq: 8 Sep 2020 7:17 pm

Tgt Ion: 95 Resp: 20915

Ion	Ratio	Lower	Upper
95	100		
130	89.8	73.4	152.5
132	83.4	71.0	147.6
97	66.9	42.0	87.2

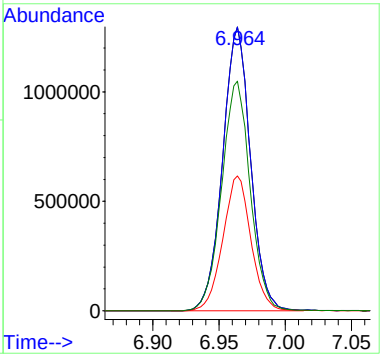




#59
Tetrachloroethylene
Concen: 310.47 ppb
RT: 6.964 min Scan# 2203
Delta R.T. 0.003 min
Lab File: QV414099.D
Acq: 8 Sep 2020 7:17 pm

Tgt Ion:166 Resp: 1899204

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	47.9	30.2	62.6
129	0.0	45.8	95.2#



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

GB-18 (2-4)

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	20I0216-04RE1	File ID:	QV414190.D
Sampled:	09/03/20 14:10	Prepared:	09/08/20 06:12	Analyzed:	09/11/20 16:29
Solids:	96.26	Preparation:	EPA 5035A	Initial/Final:	7.93 g / 5 ml
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003
Instrument:	QVOA4				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/kg dry)	Q
127-18-4	Tetrachloroethylene	1000	22000	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	38.2	76.4	77 - 125	D
SURR: Toluene-d8	50.0	50.2	100	85 - 120	D
SURR: p-Bromofluorobenzene	50.0	48.5	97.0	76 - 130	D

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	713532	4.877	650889	4.877	
ISTD: Chlorobenzene-d5	2708885	7.843	2416925	7.846	
ISTD: 1,2-Dichlorobenzene-d4	1205218	10.792	1220614	10.79	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414190.D
Acq On : 11 Sep 2020 4:29 pm
Operator : TMP
Sample : 20I0216-04RE1
Misc : QBQV4091120A 8260 D 10UL/5ML
ALS Vial : 16 Sample Multiplier: 1000

Quant Time: Sep 11 17:39:07 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

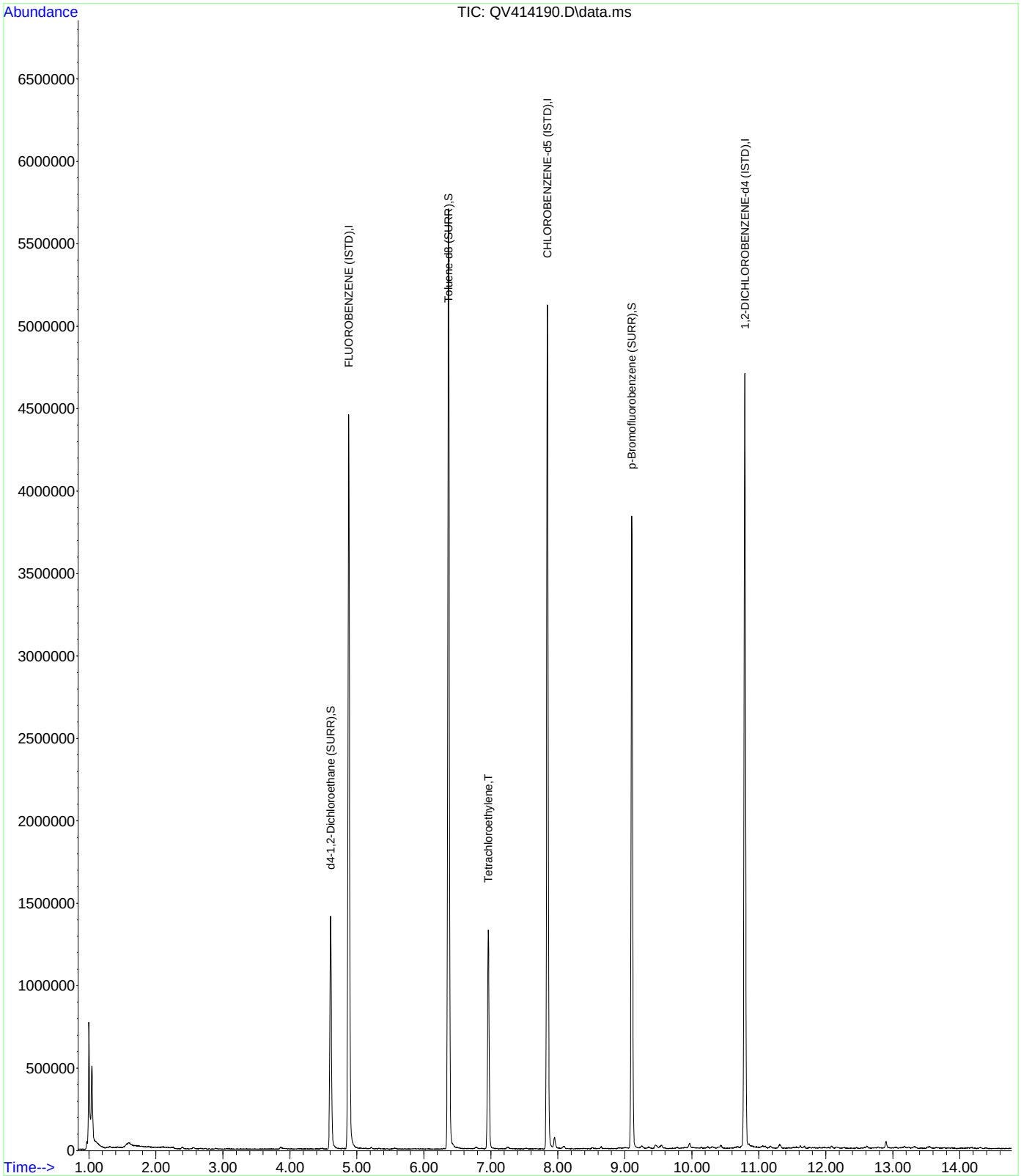
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	713532	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2708885	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1205218	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	851503	38.20	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 76.40%#			
54) Toluene-d8 (SURR)	6.366	98	3641483	50.19	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.38%			
73) p-Bromofluorobenzene (...	9.103	95	1359702	48.49	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 96.98%			
Target Compounds						Qvalue
59) Tetrachloroethylene	6.961	166	349822	32.85	ppb	# 72

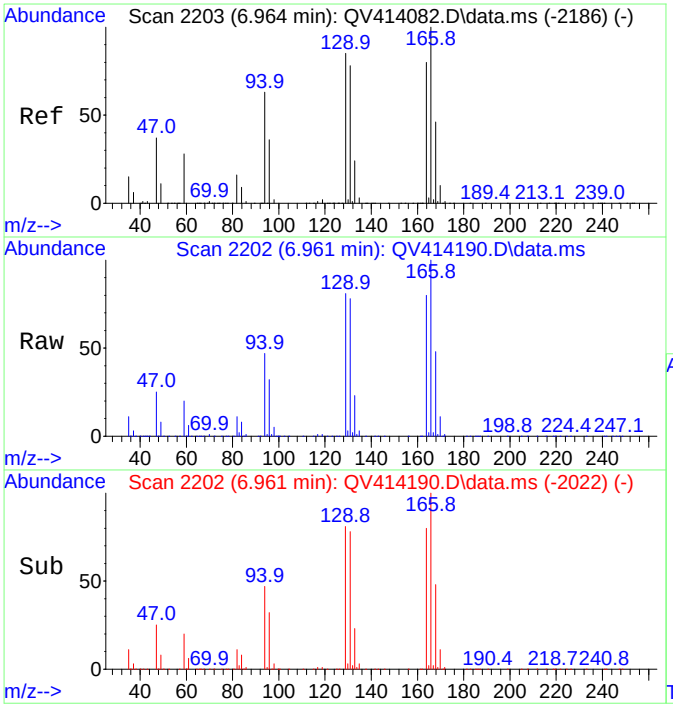
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414190.D
Acq On : 11 Sep 2020 4:29 pm
Operator : TMP
Sample : 20I0216-04RE1
Misc : QBQV4091120A 8260 D 10UL/5ML
ALS Vial : 16 Sample Multiplier: 1000

Quant Time: Sep 11 17:39:07 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

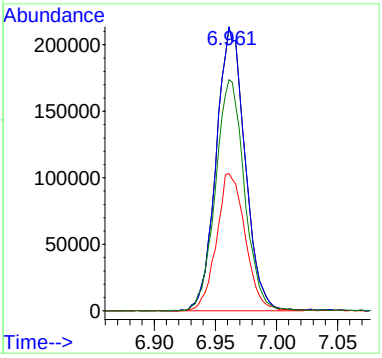




#59
Tetrachloroethylene
Concen: 32.85 ppb
RT: 6.961 min Scan# 2202
Delta R.T. 0.000 min
Lab File: QV414190.D
Acq: 11 Sep 2020 4:29 pm

Tgt Ion:166 Resp: 349822

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	48.2	30.2	62.6
129	0.0	45.8	95.2#



FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

FB-3

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Water Laboratory ID: 20I0216-05 File ID: QV913762.D

Sampled: 09/03/20 13:40 Prepared: 09/11/20 06:56 Analyzed: 09/11/20 16:28

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00638 Sequence: Y0I1143 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	3.2	
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	42	
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

FB-3

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Water Laboratory ID: 20I0216-05 File ID: QV913762.D

Sampled: 09/03/20 13:40 Prepared: 09/11/20 06:56 Analyzed: 09/11/20 16:28

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00638 Sequence: Y0I1143 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	7.2	
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.9	109	69 - 130	
SURR: Toluene-d8	10.0	10.2	102	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.68	96.8	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	164463	5.746	162382	5.746	
ISTD: Chlorobenzene-d5	572806	8.792	558917	8.795	
ISTD: 1,2-Dichlorobenzene-d4	156488	11.782	157525	11.779	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913762.D
Acq On : 11 Sep 2020 4:28 pm
Operator : TMP
Sample : 20I0216-05
Misc : QBQV9091120A 8260 B
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 16:53:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

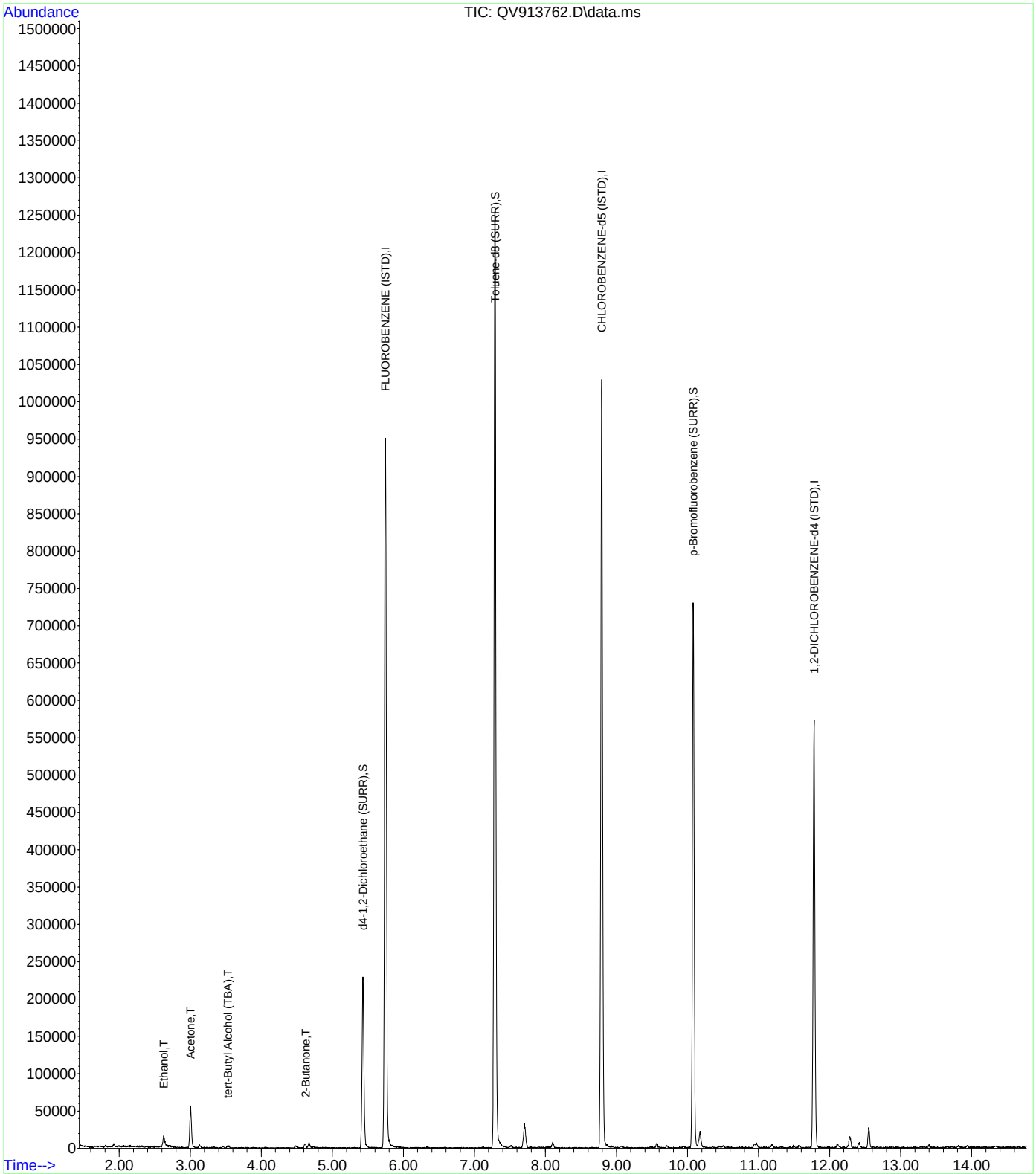
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	164463	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	572806	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	156488	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	160650	10.93	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 109.30%				
51) Toluene-d8 (SURR)	7.289	98	827305	10.24	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 102.40%				
70) p-Bromofluorobenzene (...	10.079	95	267350	9.68	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 96.80%				
Target Compounds							Qvalue
8) Ethanol	2.628	45	15863m	462.63	ppb		
12) Acetone	3.003	43	63221	42.14	ppb	#	1
16) tert-Butyl Alcohol (TBA)	3.532	59	3933	7.24	ppb	#	1
26) 2-Butanone	4.625	72	1515	3.23	ppb	#	1

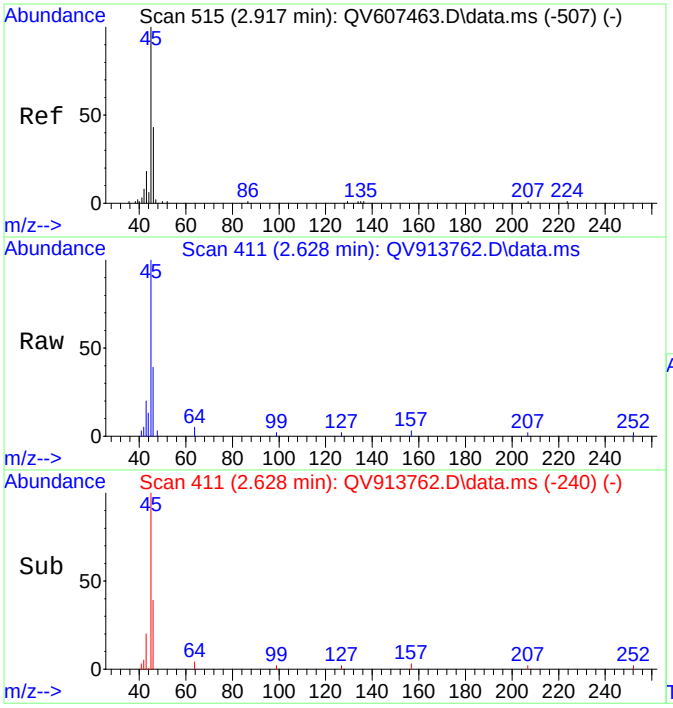
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913762.D
Acq On : 11 Sep 2020 4:28 pm
Operator : TMP
Sample : 20I0216-05
Misc : QBQV9091120A 8260 B
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Sep 11 16:53:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

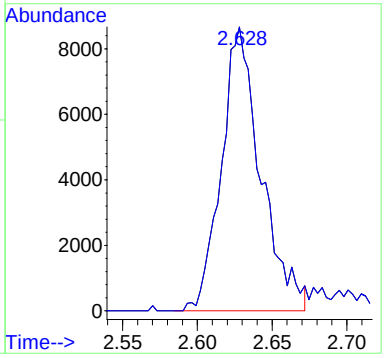


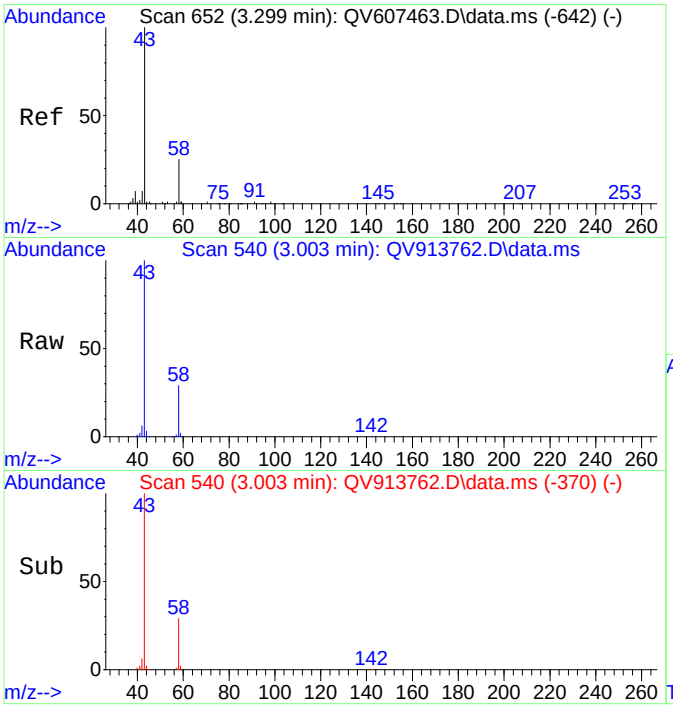


#8
Ethanol
Concen: 462.63 ppb m
RT: 2.628 min Scan# 411
Delta R.T. -0.003 min
Lab File: QV913762.D
Acq: 11 Sep 2020 4:28 pm

Tgt Ion: 45 Resp: 15863

Ion	Ratio	Lower	Upper
45	100		
45	0.0	9.6	28.8#

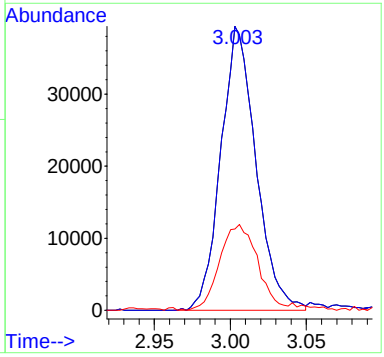


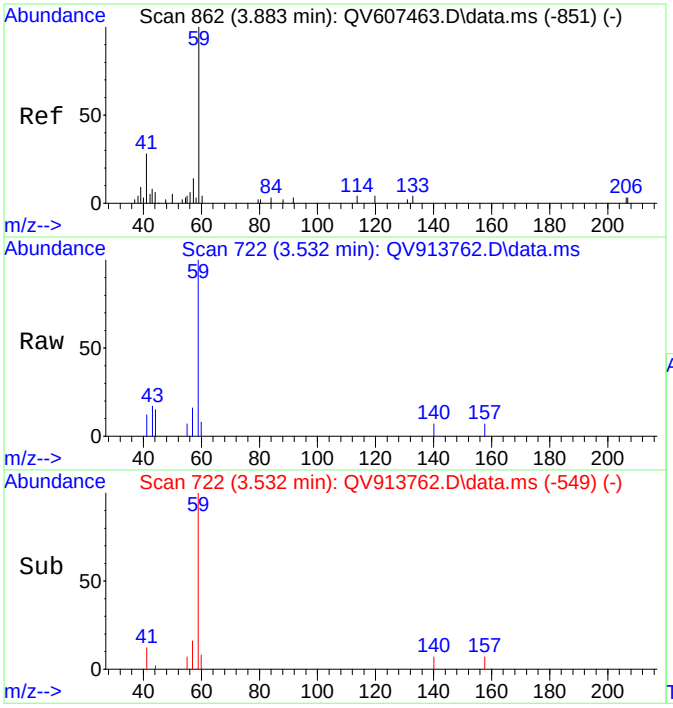


#12
Acetone
Concen: 42.14 ppb
RT: 3.003 min Scan# 540
Delta R.T. -0.006 min
Lab File: QV913762.D
Acq: 11 Sep 2020 4:28 pm

Tgt Ion: 43 Resp: 63221

Ion	Ratio	Lower	Upper
43	100		
43	100.0	2.8	4.2#
58	32.7	0.4	1.1#

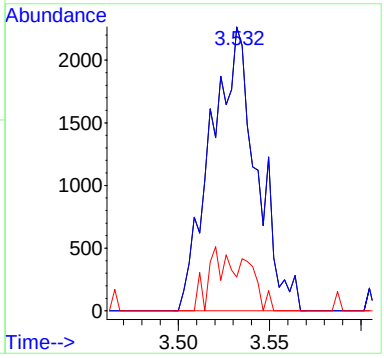


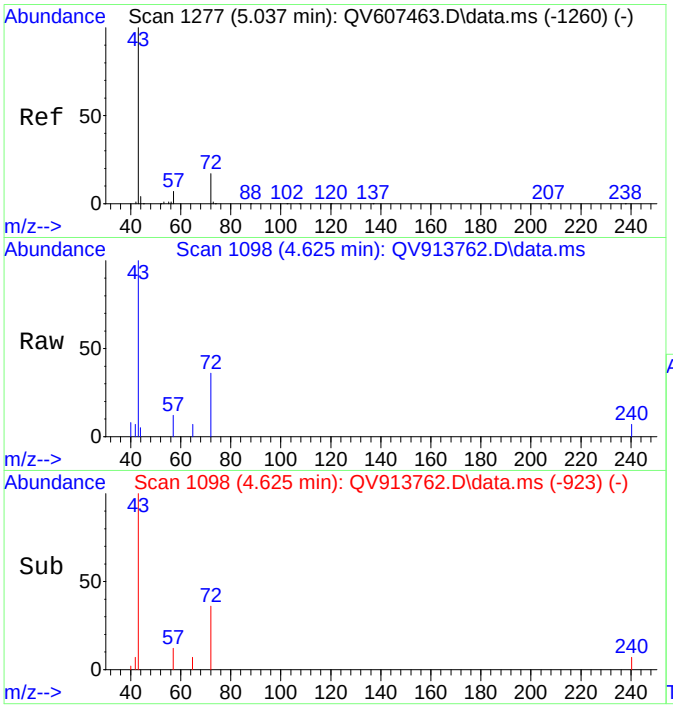


#16
tert-Butyl Alcohol (TBA)
Concen: 7.24 ppb
RT: 3.532 min Scan# 722
Delta R.T. 0.003 min
Lab File: QV913762.D
Acq: 11 Sep 2020 4:28 pm

Tgt Ion: 59 Resp: 3933

Ion	Ratio	Lower	Upper
59	100		
59	100.0	9.4	19.6#
41	11.1	0.0	0.0#

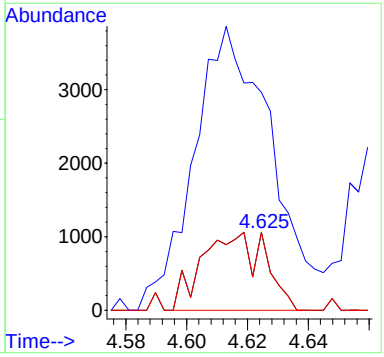




#26
2-Butanone
Concen: 3.23 ppb
RT: 4.625 min Scan# 1098
Delta R.T. 0.009 min
Lab File: QV913762.D
Acq: 11 Sep 2020 4:28 pm

Tgt Ion: 72 Resp: 1515

Ion	Ratio	Lower	Upper
72	100		
43	450.8	22.8	34.2#
72	100.0	4.2	12.6#



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

TB-2

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Water Laboratory ID: 20I0216-06 File ID: QV913652.D

Sampled: 09/03/20 00:00 Prepared: 09/08/20 06:32 Analyzed: 09/09/20 00:58

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00428 Sequence: Y0I1042 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	3.5	
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	7.4	B
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

TB-2

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Water Laboratory ID: 20I0216-06 File ID: QV913652.D

Sampled: 09/03/20 00:00 Prepared: 09/08/20 06:32 Analyzed: 09/09/20 00:58

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BI00428 Sequence: Y0I1042 Calibration: YH00024 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.4	104	69 - 130	
SURR: Toluene-d8	10.0	10.2	102	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.1	101	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	179478	5.746	182363	5.746	
ISTD: Chlorobenzene-d5	616038	8.792	633734	8.792	
ISTD: 1,2-Dichlorobenzene-d4	161757	11.782	173887	11.779	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913652.D
Acq On : 9 Sep 2020 12:58 am
Operator : TMP
Sample : 20I0216-06
Misc : QBQV9090820B 8260 COMP A
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 11 12:55:37 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

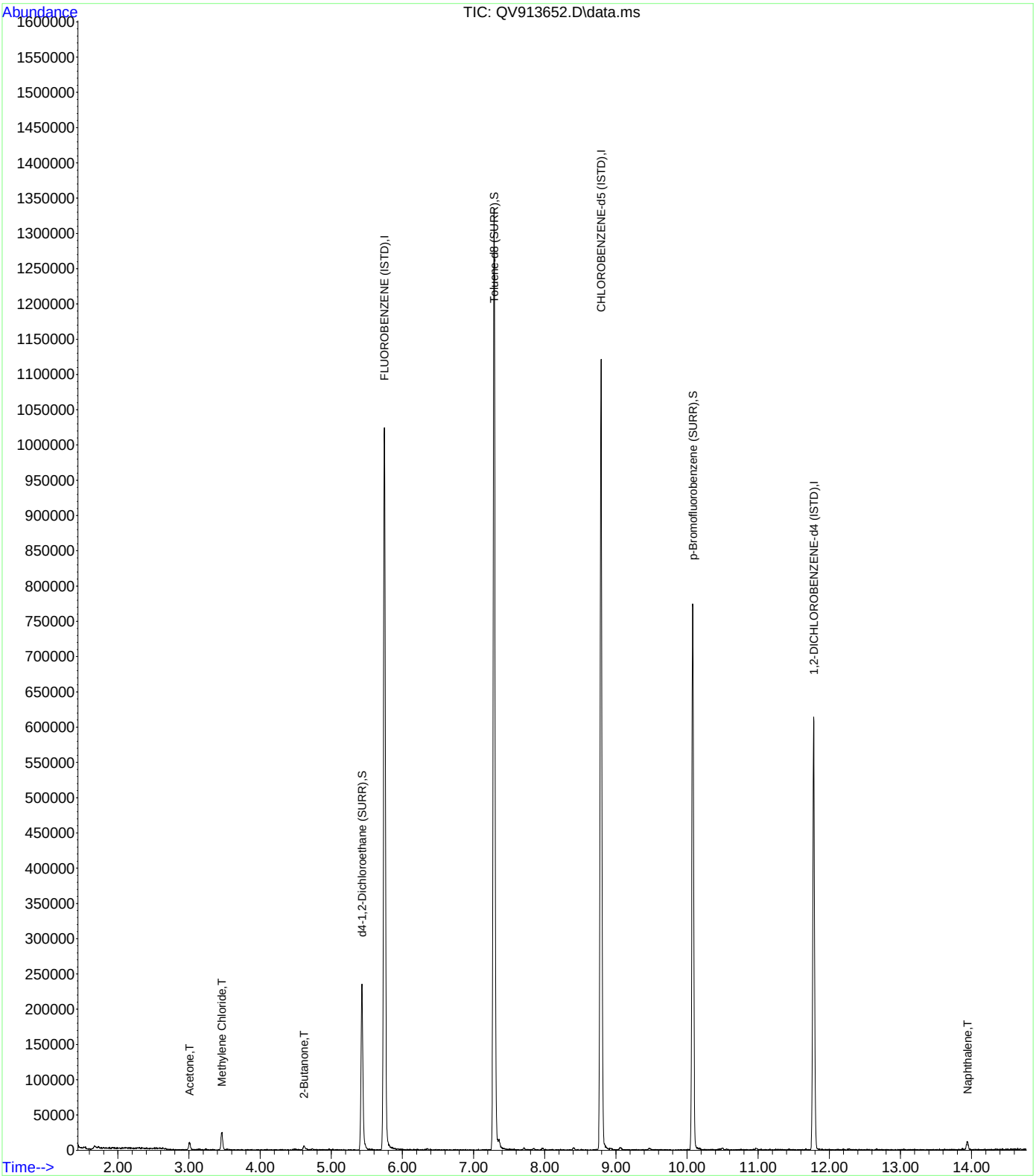
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.746	70	179478	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	616038	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	161757	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.430	65	167166	10.42	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 104.20%			
51) Toluene-d8 (SURR)	7.287	98	884618	10.18	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.80%			
70) p-Bromofluorobenzene (...	10.082	95	288398	10.10	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 101.00%			
Target Compounds						Qvalue
12) Acetone	3.009	43	12135	7.41	ppb	# 1
17) Methylene Chloride	3.462	49	14324	0.67	ppb	# 85
26) 2-Butanone	4.616	72	1770m	3.46	ppb	
93) Naphthalene	13.941	128	10277	0.52	ppb	# 81

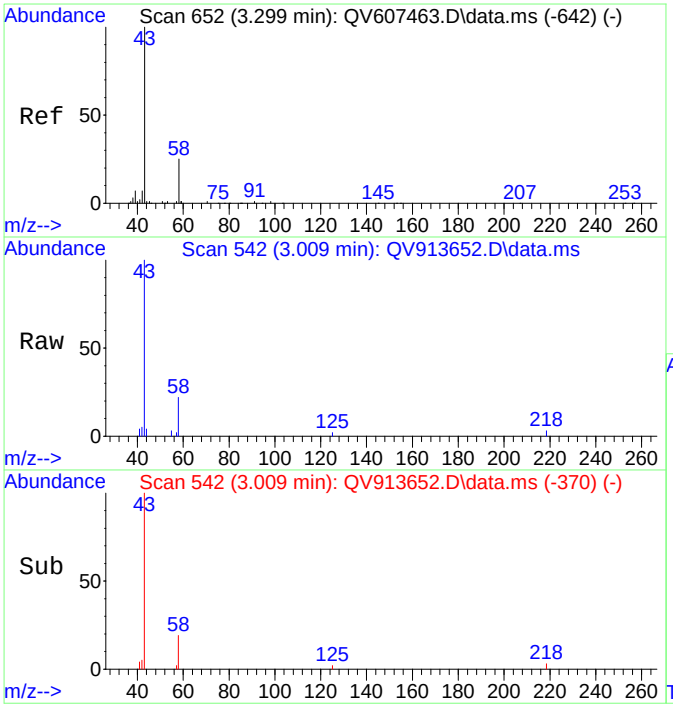
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913652.D
Acq On : 9 Sep 2020 12:58 am
Operator : TMP
Sample : 20I0216-06
Misc : QBQV9090820B 8260 COMP A
ALS Vial : 35 Sample Multiplier: 1

Quant Time: Sep 11 12:55:37 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

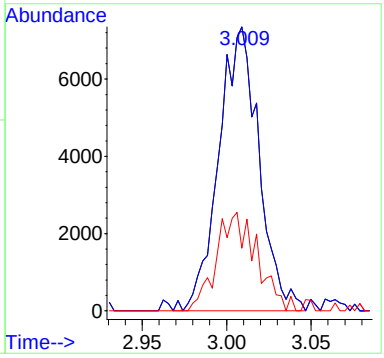


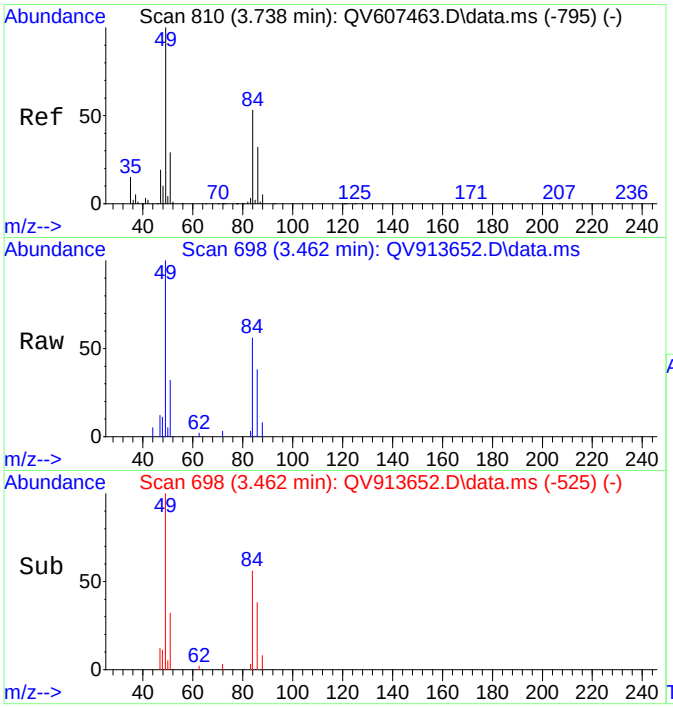


#12
Acetone
Concen: 7.41 ppb
RT: 3.009 min Scan# 542
Delta R.T. 0.000 min
Lab File: QV913652.D
Acq: 9 Sep 2020 12:58 am

Tgt Ion: 43 Resp: 12135

Ion	Ratio	Lower	Upper
43	100		
43	100.0	2.8	4.2#
58	34.9	0.4	1.1#

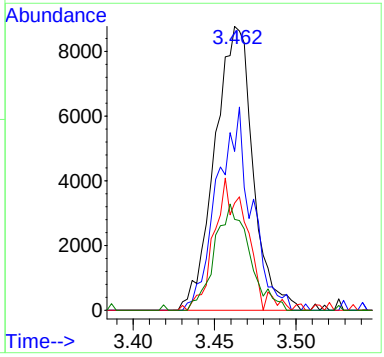


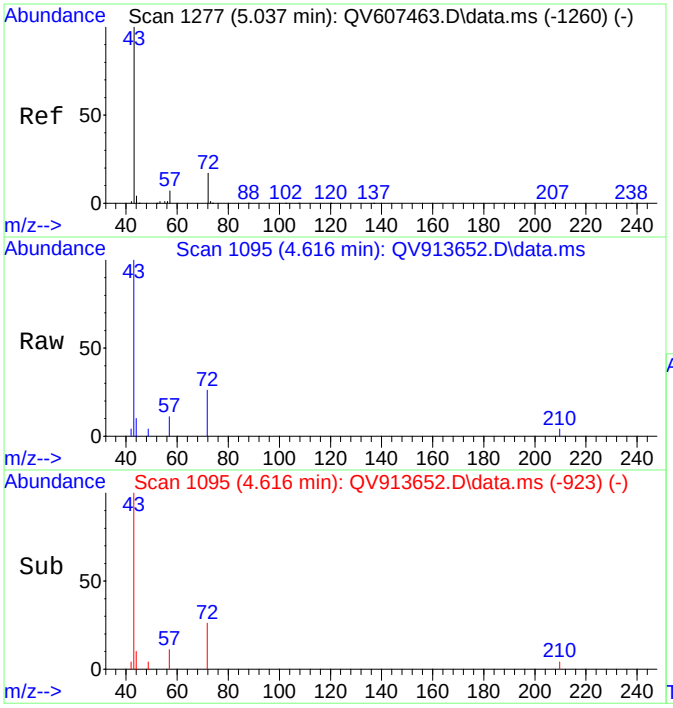


#17
Methylene Chloride
Concen: 0.67 ppb
RT: 3.462 min Scan# 698
Delta R.T. 0.003 min
Lab File: QV913652.D
Acq: 9 Sep 2020 12:58 am

Tgt Ion: 49 Resp: 14324

Ion	Ratio	Lower	Upper
49	100		
84	64.5	30.1	62.5#
86	38.2	28.6	59.4
51	34.2	20.9	43.3

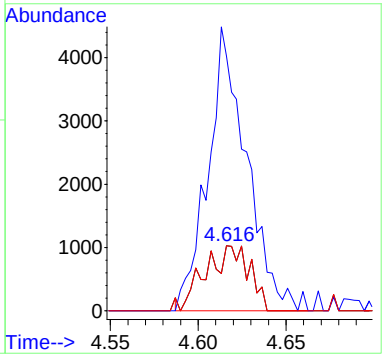


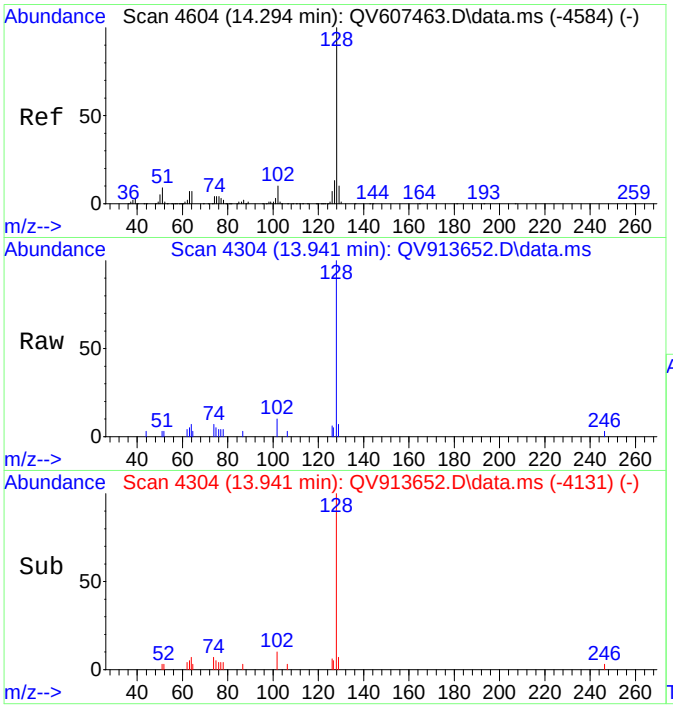


#26
2-Butanone
Concen: 3.46 ppb m
RT: 4.616 min Scan# 1095
Delta R.T. 0.000 min
Lab File: QV913652.D
Acq: 9 Sep 2020 12:58 am

Tgt Ion: 72 Resp: 1770

Ion	Ratio	Lower	Upper
72	100		
43	385.4	22.8	34.2#
72	57.1	4.2	12.6#

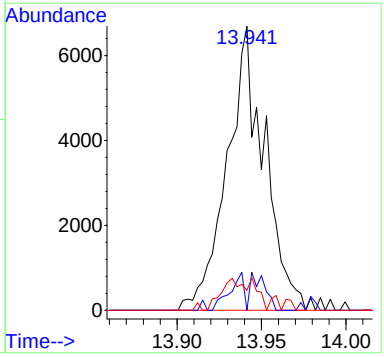




#93
Naphthalene
Concen: 0.52 ppb
RT: 13.941 min Scan# 4304
Delta R.T. 0.003 min
Lab File: QV913652.D
Acq: 9 Sep 2020 12:58 am

Tgt Ion:128 Resp: 10277

Ion	Ratio	Lower	Upper
128	100		
127	5.1	9.0	18.6#
129	1.1	3.9	8.1#



FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00003

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	5	0.1252529	10	0.1576941	20	0.1731192	50	0.1782922	100	0.2154682	200	0.2346624
1,1,1-Trichloroethane	5	1.008402	10	1.295503	20	1.430173	50	1.315429	100	1.504856	200	1.553078
1,1,2,2-Tetrachloroethane	5	0.357591	10	0.4199218	20	0.443459	50	0.4093825	100	0.4009538	200	0.3540539
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	5	0.7543719	10	0.6327126	20	0.8903644	50	0.810499	100	0.8525213	200	0.8182595
1,1,2-Trichloroethane	5	0.133169	10	0.1521238	20	0.1607469	50	0.1468412	100	0.1550715	200	0.1481565
1,1-Dichloroethane	5	1.264761	10	1.504054	20	1.595989	50	1.462591	100	1.606283	200	1.592391
1,1-Dichloroethylene	5	1.10918	10	1.31905	20	1.387507	50	1.22833	100	1.374047	200	1.328842
1,1-Dichloropropylene	5	0.9818828	10	1.152903	20	1.248124	50	1.116171	100	1.283973	200	1.270348
1,2,3-Trichlorobenzene	5	0.4262379	10	0.5275983	20	0.5373386	50	0.487835	100	0.4855137	200	0.4471691
1,2,3-Trichloropropane	5	0.1166584	10	0.1421091	20	0.1451267	50	0.1408245	100	0.1399932	200	0.1360226
1,2,4,5-Tetramethylbenzene	5	1.9485	10	1.652409	20	2.121112	50	2.148697	100	2.157335	200	2.027662
1,2,4-Trichlorobenzene	5	0.4895964	10	0.587851	20	0.623481	50	0.5554386	100	0.5746037	200	0.5356966
1,2,4-Trimethylbenzene	5	1.723202	10	2.072662	20	2.198166	50	2.061118	100	2.249607	200	2.182699
1,2-Dibromo-3-chloropropa ne	5	6.258649E-02	10	8.533517E-02	20	9.327578E-02	50	9.063323E-02	100	9.091439E-02	200	7.864813E-02
1,2-Dibromoethane	5	0.1270952	10	0.1578067	20	0.1691375	50	0.1556038	100	0.1605713	200	0.156617
1,2-Dichlorobenzene	5	0.7532385	10	0.9114092	20	0.907844	50	0.8449759	100	0.8760353	200	0.8460975
1,2-Dichloroethane	5	0.9403848	10	1.104983	20	1.188724	50	1.115103	100	1.214464	200	1.216854
1,2-Dichloropropane	5	0.1861455	10	0.2265128	20	0.2355953	50	0.2124714	100	0.2231052	200	0.2101627
1,3,5-Trimethylbenzene	5	1.665075	10	2.085793	20	2.1738	50	2.012971	100	2.122182	200	2.062637
1,3-Dichlorobenzene	5	0.7616149	10	0.9236629	20	0.9736377	50	0.9174704	100	1.014575	200	1.018623
1,3-Dichloropropane	5	0.2553927	10	0.303155	20	0.3188235	50	0.2947296	100	0.3073624	200	0.2936599
1,4-Dichlorobenzene	5	0.7969407	10	0.9419739	20	0.9650583	50	0.8775519	100	0.938032	200	0.9137161
1,4-Dioxane	100	1.333186E-03	200	1.784529E-03	400	1.478429E-03	1000	1.519126E-03	2000	1.408014E-03	4000	1.386457E-03
2,2-Dichloropropane	5	1.095402	10	1.297399	20	1.431105	50	1.329921	100	1.482621	200	1.483763
2-Butanone	5	5.716896E-02	10	5.382208E-02	20	5.409459E-02	50	5.076733E-02	100	5.328114E-02	200	5.459231E-02
2-Chlorotoluene	5	1.736049	10	2.012084	20	2.173661	50	2.006679	100	2.072599	200	1.982818
2-Hexanone	5	0.1014326	10	0.1187074	20	0.1357947	50	0.1327993	100	0.1340413	200	0.1192585
4-Chlorotoluene	5	1.607834	10	2.130116	20	2.22836	50	2.008601	100	2.102423	200	1.972909
4-Methyl-2-pentanone	5	0.1418487	10	0.1768939	20	0.1991333	50	0.1815167	100	0.184001	200	0.1663263
Acetone	5	0.3489291	10	0.3109211	20	0.2989614	50	0.2563082	100	0.26106	200	0.2154889

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00003

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	5	6.677903E-02	10	8.695441E-02	20	0.0953168	50	7.951168E-02	100	3.769825E-02	200	4.177145E-02
Acrylonitrile	5	0.1516679	10	0.1771071	20	0.1974355	50	0.1759233	100	0.1933495	200	0.1837848
Benzene	5	2.47845	10	2.949056	20	3.175817	50	2.850897	100	3.120597	200	3.105734
Bromobenzene	5	0.7731828	10	0.9144697	20	0.9539665	50	0.8551938	100	0.8584083	200	0.7779288
Bromochloromethane	5	0.5813725	10	0.6868581	20	0.728028	50	0.6706467	100	0.7200899	200	0.6811234
Bromodichloromethane	5	0.2115191	10	0.2692906	20	0.2853668	50	0.2813659	100	0.3067053	200	0.2990897
Bromoform	5	3.995172E-02	10	5.926857E-02	20	6.843101E-02	50	7.718678E-02	100	9.220055E-02	200	9.995283E-02
Bromomethane	5	0.3503669	10	0.4167775	20	0.3193192	50	0.3574044	100	0.4289261	200	0.4438352
Carbon disulfide	5	1.680815	10	2.013337	20	2.045906	50	1.860886	100	2.267527	200	2.241964
Carbon tetrachloride	5	0.7308017	10	0.9001071	20	1.031248	50	0.9949013	100	1.212086	200	1.289812
Chlorobenzene	5	0.4597802	10	0.5698413	20	0.5858874	50	0.5423766	100	0.5971426	200	0.5986176
Chloroethane	5	0.4442653	10	0.5193547	20	0.4847529	50	0.5118538	100	0.5849816	200	0.5438104
Chloroform	5	1.224701	10	1.429128	20	1.509023	50	1.419694	100	1.522335	200	1.517405
Chloromethane	5	1.011696	10	1.073135	20	0.7567125	50	0.8630933	100	1.106765	200	1.034856
cis-1,2-Dichloroethylene	5	1.135516	10	1.373519	20	1.455889	50	1.322038	100	1.441985	200	1.412106
cis-1,3-Dichloropropylene	5	0.272262	10	0.3324212	20	0.3609055	50	0.3449663	100	0.3728775	200	0.3589148
Cyclohexane	5	1.42036	10	1.202547	20	1.531995	50	1.445989	100	1.53311	200	1.493775
Dibromochloromethane	5	0.1070419	10	0.137289	20	0.1562485	50	0.1621022	100	0.1823609	200	0.1866753
Dibromomethane	5	9.428028E-02	10	0.1177904	20	0.1214085	50	0.113303	100	0.1185849	200	0.1135865
Dichlorodifluoromethane	5	0.5523421	10	0.6097769	20	0.2837134	50	0.3946559	100	0.6657358	200	0.6298525
Ethyl Benzene	5	0.8941094	10	1.112594	20	1.169193	50	1.098102	100	1.261069	200	1.297626
Hexachlorobutadiene	5	0.277572	10	0.3465035	20	0.359985	50	0.3330677	100	0.3547774	200	0.3348169
Isopropylbenzene	5	2.004023	10	2.459417	20	2.552814	50	2.335391	100	2.404724	200	2.267107
Methyl acetate	5	0.6381592	10	0.469225	20	0.5726369	50	0.5006165	100	0.4934851	200	0.4586057
Methyl tert-butyl ether (MTBE)	5	1.590211	10	1.916043	20	2.012618	50	1.898216	100	2.051607	200	2.072017
Methylcyclohexane	5	0.384227	10	0.3360343	20	0.4196873	50	0.4017702	100	0.4129964	200	0.390581
Methylene chloride	5	0.8777556	10	1.067521	20	1.099262	50	1.00835	100	1.080168	200	1.042786
Naphthalene	5	1.340206	10	1.48667	20	1.514175	50	1.35225	100	1.287593	200	1.150603
n-Butylbenzene	5	2.292322	10	2.750959	20	2.938323	50	2.721028	100	2.841931	200	2.59853
n-Propylbenzene	5	2.566564	10	3.171519	20	3.314922	50	3.048652	100	3.192952	200	2.91674
o-Xylene	5	0.7227226	10	0.8863116	20	0.9339282	50	0.8827401	100	0.9893816	200	1.01532

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00003

Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	10	0.7218479	20	0.894329	40	0.9470369	100	0.9078614	200	1.063323	400	0.9442139
p-Diethylbenzene	5	1.155557	10	1.044975	20	1.298439	50	1.248385	100	1.276886	200	1.186439
p-Ethyltoluene	5	2.309628	10	1.897764	20	2.459132	50	2.381991	100	2.409927	200	2.313631
p-Isopropyltoluene	5	1.842833	10	2.251248	20	2.421998	50	2.263491	100	2.523081	200	2.445026
sec-Butylbenzene	5	2.153496	10	2.653457	20	2.777813	50	2.519062	100	2.624684	200	2.494005
Styrene	5	0.500186	10	0.6077406	20	0.6471334	50	0.6127818	100	0.6813458	200	0.7070274
SURR: 1,2-Dichloroethane-d4	50	1.499607	50	1.49137	50	1.554773	50	1.558784	50	1.605505	50	1.660933
SURR: p-Bromofluorobenzene	50	1.226768	50	1.246306	50	1.218975	50	1.190716	50	1.094541	50	1.002336
SURR: Toluene-d8	50	1.357441	50	1.364453	50	1.35331	50	1.338403	50	1.33202	50	1.289434
tert-Butyl alcohol (TBA)	5	6.195579E-02	10	5.202531E-02	20	6.835316E-02	50	6.445556E-02	100	6.069702E-02	200	5.678363E-02
tert-Butylbenzene	5	1.444524	10	1.75138	20	1.81557	50	1.680431	100	1.760096	200	1.707006
Tetrachloroethylene	5	0.1671398	10	0.1982108	20	0.2050638	50	0.1867865	100	0.2111395	200	0.2111472
Toluene	5	0.8064034	10	0.9546927	20	0.9654347	50	0.8767375	100	0.9484391	200	0.9304364
trans-1,2-Dichloroethylene	5	0.9832115	10	1.156766	20	1.232976	50	1.086769	100	1.230818	200	1.196221
trans-1,3-Dichloropropylene	5	0.2312318	10	0.289025	20	0.3220946	50	0.314729	100	0.3479804	200	0.3386738
trans-1,4-dichloro-2-butene	5	0.423657	10	0.5152226	20	0.5513874	50	0.5224546	100	0.5392945	200	0.5046229
Trichloroethylene	5	0.1861197	10	0.2203294	20	0.2375604	50	0.2215866	100	0.2397422	200	0.2280716
Trichlorofluoromethane	5	1.50119	10	1.649196	20	1.581166	50	1.546845	100	1.779165	200	1.647864
Vinyl acetate	5	0.928081	10	0.9205273	20	1.048308	50	1.028366	100	1.130454	200	1.019048
Vinyl Chloride	5	0.8386055	10	0.9616822	20	0.7814487	50	0.8385594	100	1.060815	200	0.9935065

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Calibration: YH00003 Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.1807482	21.83458	7.9725	2.797988E-02	0.99850		0.99	
1,1,1-Trichloroethane	1.35124	14.5208	4.274167	5.020336E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.3975603	8.891902	9.323167	2.773063E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.7931214	11.43841	2.2625	0.1557116			SPCC (0.1)	
1,1,2-Trichloroethane	0.1493515	6.280079	6.8965	3.368091E-02			SPCC (0.1)	
1,1-Dichloroethane	1.504345	8.702066	3.339333	2.776637E-02			SPCC (0.2)	
1,1-Dichloroethylene	1.291159	8.153604	2.284	1.494816E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.175567	9.887722	4.422	2.915497E-02			20	
1,2,3-Trichlorobenzene	0.4852821	8.956599	13.175	0.0200103			20	
1,2,3-Trichloropropane	0.1367891	7.528074	9.357167	1.991185E-02			20	
1,2,4,5-Tetramethylbenzene	2.009286	9.579791	11.6215	0.0239708			20	
1,2,4-Trichlorobenzene	0.5611112	8.197821	12.61617	6.061076E-03			SPCC (0.2)	
1,2,4-Trimethylbenzene	2.081242	9.141382	9.9645	3.371412E-02			20	
1,2-Dibromo-3-chloropropane	8.356553E-02	13.80768	11.72567	2.997389E-02			SPCC (0.05)	
1,2-Dibromoethane	0.1544719	9.240671	7.3945	2.773051E-02			SPCC (0.1)	
1,2-Dichlorobenzene	0.8566001	6.794409	10.8125	2.866794E-02			SPCC (0.4)	
1,2-Dichloroethane	1.130085	9.274709	4.6795	3.027175E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2156655	7.983183	5.447333	2.647044E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	2.02041	9.025519	9.552166	3.094544E-02			20	
1,3-Dichlorobenzene	0.9349307	10.18266	10.294	1.913159E-02			SPCC (0.6)	
1,3-Dichloropropane	0.2955205	7.345182	7.059	2.091709E-02			20	
1,4-Dichlorobenzene	0.9055455	6.729855	10.3965	2.572242E-02			SPCC (0.5)	
1,4-Dioxane	1.484957E-03	10.84229	5.6025	0.1248319			20	
2,2-Dichloropropane	1.353369	10.95866	3.830167	8.862664E-02			20	
2-Butanone	0.0539544	3.833313	3.904833	0.1168934			SPCC (0.1)	*
2-Chlorotoluene	1.997315	7.274109	9.462333	0.0291307			20	
2-Hexanone	0.1236723	10.70583	7.135167	3.244393E-02			SPCC (0.1)	
4-Chlorotoluene	2.008374	10.7658	9.586167	1.428081E-02			20	
4-Methyl-2-pentanone	0.1749533	11.09432	6.295	5.194219E-02			SPCC (0.1)	
Acetone	0.2819448	16.73086	2.392	6.558365E-02			SPCC (0.1)	
Acrolein	6.800527E-02	35.0801	2.2495	0.1124568	0.96493		0.99	*

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Calibration: YH00003 Instrument: QVOA4

Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	0.179878	9.046965	2.999	0.1086934			20	
Benzene	2.946759	8.80323	4.618833	4.188523E-02			SPCC (0.5)	
Bromobenzene	0.855525	8.424817	9.26	2.205387E-02			20	
Bromochloromethane	0.6780198	7.735338	4.0865	5.207596E-02			20	
Bromodichloromethane	0.2755562	12.35372	5.730333	1.635209E-02			SPCC (0.2)	
Bromoform	7.283191E-02	30.16965	8.7895	0.0525369	0.99885		SPCC (0.1)	
Bromomethane	0.3861049	13.03684	1.581	9.862432E-02			SPCC (0.1)	
Carbon disulfide	2.018406	11.11381	2.4705	6.580728E-02			SPCC (0.1)	
Carbon tetrachloride	1.026493	19.87965	4.411833	3.249648E-02			SPCC (0.1)	
Chlorobenzene	0.5589409	9.462193	7.8745	2.712907E-02			SPCC (0.5)	
Chloroethane	0.5148365	9.38565	1.655667	0.1191343			SPCC (0.1)	
Chloroform	1.437048	7.895396	4.158	2.990724E-02			SPCC (0.2)	
Chloromethane	0.9743763	13.92834	1.286667	0.5850693			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.356842	8.756923	3.86	6.341825E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3403912	10.62927	6.1465	2.387189E-02			SPCC (0.2)	
Cyclohexane	1.437963	8.619109	4.285833	4.476523E-02			SPCC (0.1)	
Dibromochloromethane	0.1552863	19.1404	7.2925	5.578256E-03			SPCC (0.1)	
Dibromomethane	0.1131589	8.61838	5.58	3.006772E-02			20	
Dichlorodifluoromethane	0.5226794	28.87779	1.1225	0.1466633		0.9883858	SPCC (0.1)	
Ethyl Benzene	1.138782	12.62286	7.971	1.637069E-02			SPCC (0.1)	
Hexachlorobutadiene	0.3344537	8.917553	12.77867	9.525456E-03			20	
Isopropylbenzene	2.337246	8.160895	8.907	2.048767E-02			SPCC (0.1)	
Methyl acetate	0.5221214	13.3056	2.654	7.312016E-02			SPCC (0.1)	
Methyl tert-butyl ether (MTBE)	1.923452	9.247394	2.942333	5.059261E-02			SPCC (0.1)	
Methylcyclohexane	0.3908827	7.666408	5.335167	3.009899E-02			SPCC (0.1)	
Methylene chloride	1.029307	7.836268	2.741667	5.453166E-02			SPCC (0.1)	
Naphthalene	1.35525	9.856672	12.89833	1.106623E-02			20	
n-Butylbenzene	2.690516	8.409069	10.771	2.715927E-02			20	
n-Propylbenzene	3.035225	8.785602	9.356	2.131341E-02			20	
o-Xylene	0.9050673	11.50333	8.5165	2.469201E-02			SPCC (0.3)	
p- & m- Xylenes	0.913102	12.16021	8.092167	1.092937E-02			SPCC (0.1)	
p-Diethylbenzene	1.20178	7.816032	10.74167	0.0311211			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Calibration: YH00003
Instrument: QVOA4
Calibration Date: 08/04/20 16:15

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
p-Ethyltoluene	2.295345	8.844561	9.482334	3.104672E-02			20	
p-Isopropyltoluene	2.291279	10.65366	10.3095	1.935123E-02			20	
sec-Butylbenzene	2.537086	8.425786	10.1435	1.537192E-02			20	
Styrene	0.6260358	11.60968	8.5485	1.522871E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.561829	4.112169	4.6085	3.596378E-02			20	
SURR: p-Bromofluorobenzene	1.163274	8.192062	9.104667	1.558246E-02			20	
SURR: Toluene-d8	1.339177	2.030909	6.369	1.571832E-02			20	
tert-Butyl alcohol (TBA)	6.071175E-02	9.457423	2.895667	8.744689E-02			20	
tert-Butylbenzene	1.693168	7.70186	9.904	3.691764E-02			20	
Tetrachloroethylene	0.1965813	8.696919	6.964	2.757865E-02			SPCC (0.2)	*
Toluene	0.9136906	6.697287	6.4345	3.469465E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.147794	8.481582	2.9525	3.420218E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.3072891	13.83244	6.709	0.0179689			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.5094398	8.881338	9.356834	3.147015E-02			20	
Trichloroethylene	0.222235	8.73414	5.2125	3.042349E-02			SPCC (0.2)	
Trichlorofluoromethane	1.617571	6.051045	1.842	1.848113E-02			SPCC (0.1)	
Vinyl acetate	1.012464	7.786542	3.3865	0.117511			20	
Vinyl Chloride	0.9124362	11.91335	1.336667	0.1120461			SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00005

Instrument: QVOA1

Calibration Date: 08/05/20 16:20

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	5	0.1617777	10	0.1734156	20	0.1806177	50	0.1809857	100	0.2237297	200	0.194244
1,1,1-Trichloroethane	5	1.293587	10	1.274209	20	1.289598	50	1.228933	100	1.49374	200	1.268575
1,1,2,2-Tetrachloroethane	5	0.518936	10	0.5198195	20	0.5317574	50	0.5149583	100	0.6263506	200	0.5323005
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	5	0.8970133	10	0.6132835	20	0.7251027	50	0.6936895	100	0.8162242	200	0.681426
1,1,2-Trichloroethane	5	0.1909278	10	0.1946987	20	0.1950403	50	0.1882513	100	0.2227553	200	0.1894494
1,1-Dichloroethane	5	1.747394	10	1.715904	20	1.684512	50	1.557403	100	1.83435	200	1.511787
1,1-Dichloroethylene	5	1.366833	10	1.368113	20	1.267054	50	1.18666	100	1.447202	200	1.202224
1,1-Dichloropropylene	5	1.189527	10	1.198856	20	1.2347	50	1.116568	100	1.349046	200	1.11975
1,2,3-Trichlorobenzene	5	0.5473508	10	0.5541845	20	0.5579554	50	0.522055	100	0.6386589	200	0.5329597
1,2,3-Trichloropropane	5	0.153837	10	0.1723744	20	0.1670185	50	0.1662922	100	0.1921278	200	0.169888
1,2,4,5-Tetramethylbenzene	5	1.912755	10	1.328335	20	1.688353	50	1.718892	100	1.994313	200	1.63405
1,2,4-Trichlorobenzene	5	0.5361992	10	0.5721794	20	0.5768802	50	0.5270532	100	0.6683018	200	0.5489646
1,2,4-Trimethylbenzene	5	1.740195	10	1.722217	20	1.783582	50	1.670315	100	1.997505	200	1.616038
1,2-Dibromo-3-chloropropa ne	5	0.1136911	10	0.1165921	20	0.1182801	50	0.1201043	100	0.145768	200	0.130411
1,2-Dibromoethane	5	0.1881983	10	0.1943016	20	0.1971128	50	0.191075	100	0.225663	200	0.1950907
1,2-Dichlorobenzene	5	0.9133625	10	0.9062294	20	0.9065086	50	0.830808	100	0.9889556	200	0.8205744
1,2-Dichloroethane	5	1.337005	10	1.322015	20	1.34163	50	1.210677	100	1.432931	200	1.215141
1,2-Dichloropropane	5	0.2339084	10	0.2434721	20	0.2434287	50	0.2290927	100	0.2719613	200	0.2252182
1,3,5-Trimethylbenzene	5	1.724892	10	1.756049	20	1.801642	50	1.68401	100	1.993443	200	1.621959
1,3-Dichlorobenzene	5	0.9451268	10	0.9084194	20	0.9409916	50	0.8509608	100	1.04538	200	0.8583903
1,3-Dichloropropane	5	0.343506	10	0.3495116	20	0.3410309	50	0.3254647	100	0.3833792	200	0.3219884
1,4-Dichlorobenzene	5	0.9247285	10	0.9422742	20	0.9384677	50	0.8567267	100	1.04563	200	0.8574377
1,4-Dioxane	100	3.173576E-03	200	2.653858E-03	400	2.783478E-03	1000	2.652048E-03	2000	3.22078E-03	4000	2.722618E-03
2,2-Dichloropropane	5	1.082931	10	1.105991	20	1.149104	50	1.074095	100	1.33469	200	1.151788
2-Butanone	5	0.1234011	10	0.1360735	20	0.1284757	50	0.1329552	100	0.1562388	200	0.1278836
2-Chlorotoluene	5	1.536568	10	1.498896	20	1.53838	50	1.43846	100	1.705852	200	1.405008
2-Hexanone	5	0.1577573	10	0.1718682	20	0.1731911	50	0.174007	100	0.2081547	200	0.1733656
4-Chlorotoluene	5	1.758291	10	1.750636	20	1.789544	50	1.654647	100	1.997671	200	1.60243
4-Methyl-2-pentanone	5	0.2290208	10	0.2450916	20	0.242789	50	0.2395835	100	0.2787159	200	0.235742
Acetone	5	0.6333094	10	0.4956524	20	0.4809703	50	0.4634037	100	0.525506	200	0.3678977

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00005

Instrument: QVOA1

Calibration Date: 08/05/20 16:20

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	5	0.1736212	10	0.1353333	20	0.1472456	50	0.1348657	100	0.1378667	200	0.1292792
Acrylonitrile	5	0.4760243	10	0.4563029	20	0.4418976	50	0.4254008	100	0.4843204	200	0.4115716
Benzene	5	3.605068	10	3.554802	20	3.569494	50	3.285378	100	3.780856	200	3.082898
Bromobenzene	5	0.8358487	10	0.8370128	20	0.8341083	50	0.7868176	100	0.9330552	200	0.7829626
Bromochloromethane	5	0.8387787	10	0.8397813	20	0.8395806	50	0.7869433	100	0.8967655	200	0.7327946
Bromodichloromethane	5	0.263004	10	0.2738317	20	0.2791995	50	0.2708479	100	0.3320112	200	0.2823581
Bromoform	5	9.582551E-02	10	0.1033008	20	0.1078182	50	0.1125618	100	0.1422028	200	0.1284895
Bromomethane	5	0.4035865	10	0.3604215	20	0.3050288	50	0.2902211	100	0.3708555	200	0.3190844
Carbon disulfide	5	2.343151	10	2.375097	20	2.220573	50	2.092726	100	2.627594	200	2.157685
Carbon tetrachloride	5	0.9858033	10	1.004156	20	1.052269	50	1.005675	100	1.241132	200	1.070201
Chlorobenzene	5	0.6131317	10	0.6084175	20	0.6080473	50	0.562349	100	0.6692341	200	0.5480446
Chloroethane	5	0.3422657	10	0.302732	20	0.2845007	50	0.3028741	100	0.3941917	200	0.3242617
Chloroform	5	1.579169	10	1.573806	20	1.567761	50	1.463584	100	1.69685	200	1.440312
Chloromethane	5	0.81299	10	0.7375136	20	0.4894921	50	0.5665318	100	0.7632785	200	0.6513089
cis-1,2-Dichloroethylene	5	1.603698	10	1.562136	20	1.574581	50	1.470377	100	1.701215	200	1.420372
cis-1,3-Dichloropropylene	5	0.3071199	10	0.3261186	20	0.3390248	50	0.3287983	100	0.3976499	200	0.3334679
Cyclohexane	5	2.052948	10	1.338599	20	1.674389	50	1.650591	100	1.85732	200	1.530834
Dibromochloromethane	5	0.172066	10	0.1791228	20	0.1904343	50	0.1915746	100	0.2333711	200	0.2041654
Dibromomethane	5	0.138841	10	0.1427836	20	0.1373998	50	0.1285865	100	0.1540091	200	0.1322585
Dichlorodifluoromethane	5	0.5863533	10	0.5675083	20	0.2305088	50	0.3458597	100	0.6410065	200	0.5285426
Ethyl Benzene	5	1.051106	10	1.056804	20	1.061794	50	0.983486	100	1.166226	200	0.9301252
Hexachlorobutadiene	5	0.3238101	10	0.3298623	20	0.3348676	50	0.3122758	100	0.3813502	200	0.3298132
Isopropylbenzene	5	2.104556	10	2.149927	20	2.178605	50	2.043282	100	2.395103	200	1.946554
Methyl acetate	5	0.9929614	10	0.7310407	20	0.7805673	50	0.7930343	100	0.8565338	200	0.7345386
Methyl tert-butyl ether (MTBE)	5	2.309817	10	2.413706	20	2.425142	50	2.26395	100	2.636367	200	2.269576
Methylcyclohexane	5	0.4521782	10	0.3159033	20	0.3844334	50	0.3842575	100	0.4471564	200	0.3680645
Methylene chloride	5	1.208384	10	1.215354	20	1.190916	50	1.082414	100	1.279418	200	1.051693
Naphthalene	5	2.128549	10	1.957772	20	1.830317	50	1.704219	100	1.977454	200	1.649343
n-Butylbenzene	5	2.223771	10	2.097591	20	2.165025	50	2.016607	100	2.379456	200	1.868963
n-Propylbenzene	5	2.581179	10	2.599459	20	2.626131	50	2.425883	100	2.854003	200	2.228795
o-Xylene	5	0.8230807	10	0.8334193	20	0.8390615	50	0.7827471	100	0.9383623	200	0.7616637

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00005

Instrument: QVOA1

Calibration Date: 08/05/20 16:20

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	10	0.8084998	20	0.8167612	40	0.8126581	100	0.7472811	200	0.8762119	400	0.6638499
p-Diethylbenzene	5	1.168302	10	0.8492383	20	1.028566	50	1.003166	100	1.19246	200	0.9691459
p-Ethyltoluene	5	2.400395	10	1.645473	20	2.018288	50	2.002983	100	2.26955	200	1.816881
p-Isopropyltoluene	5	1.873062	10	1.925625	20	1.993343	50	1.843695	100	2.178924	200	1.753778
sec-Butylbenzene	5	2.245376	10	2.273325	20	2.296518	50	2.148387	100	2.491979	200	2.001723
Styrene	5	0.6237465	10	0.6416112	20	0.6578783	50	0.6172631	100	0.7433269	200	0.6054018
SURR: 1,2-Dichloroethane-d4	50	1.619021	50	1.584538	50	1.588208	50	1.565358	50	1.525152	50	1.529095
SURR: p-Bromofluorobenzene	50	1.059892	50	1.046799	50	1.059049	50	1.063965	50	1.060726	50	1.06641
SURR: Toluene-d8	50	1.228153	50	1.237589	50	1.234995	50	1.225802	50	1.244232	50	1.232838
tert-Butyl alcohol (TBA)	5	0.2794259	10	0.1691312	20	0.163215	50	0.128803	100	0.1327877	200	0.1287999
tert-Butylbenzene	5	1.648466	10	1.702472	20	1.750962	50	1.650693	100	1.94951	200	1.619486
Tetrachloroethylene	5	0.2395307	10	0.2393845	20	0.2286262	50	0.2152166	100	0.2574534	200	0.2118253
Toluene	5	0.974368	10	0.9700558	20	0.9279957	50	0.8571857	100	1.012565	200	0.8083511
trans-1,2-Dichloroethylene	5	1.384219	10	1.299762	20	1.327423	50	1.206186	100	1.443618	200	1.179746
trans-1,3-Dichloropropylene	5	0.2605777	10	0.2746512	20	0.2881458	50	0.2881557	100	0.3599219	200	0.3084666
trans-1,4-dichloro-2-butene	5	0.5371278	10	0.5704408	20	0.5747586	50	0.579066	100	0.6984171	200	0.6181939
Trichloroethylene	5	0.2227102	10	0.2199273	20	0.2253114	50	0.2046821	100	0.2517313	200	0.209958
Trichlorofluoromethane	5	1.127189	10	1.040836	20	0.9669498	50	0.9678212	100	1.232185	200	1.017654
Vinyl acetate	5	2.600279	10	2.200886	20	2.253654	50	2.357216	100	2.684416	200	2.302212
Vinyl Chloride	5	0.7147151	10	0.6633189	20	0.5113078	50	0.5741079	100	0.7786434	200	0.637712

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Calibration: YH00005
Instrument: QVOA1
Calibration Date: 08/05/20 16:20

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.1857951	11.51967	8.097	1.878041E-02			20	
1,1,1-Trichloroethane	1.308107	7.170763	4.4085	2.172006E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.540687	7.872387	9.411333	2.405471E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.7377899	13.86071	2.4035	0.05447			SPCC (0.1)	
1,1,2-Trichloroethane	0.1968538	6.595156	6.991	1.581868E-02			SPCC (0.1)	
1,1-Dichloroethane	1.675225	7.206071	3.441	5.448751E-02			SPCC (0.2)	
1,1-Dichloroethylene	1.306348	7.957014	2.3985	4.784753E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.201408	7.152349	4.558333	2.252375E-02			20	
1,2,3-Trichlorobenzene	0.5588607	7.398693	13.3165	0.0196371			20	
1,2,3-Trichloropropane	0.1702563	7.330236	9.453	9.484366E-03			20	
1,2,4,5-Tetramethylbenzene	1.712783	13.66451	11.80267	1.013781E-02			20	
1,2,4-Trichlorobenzene	0.5715964	8.964975	12.7645	1.290422E-02			SPCC (0.2)	
1,2,4-Trimethylbenzene	1.754975	7.533623	10.1365	2.288871E-02			20	
1,2-Dibromo-3-chloropropane	0.1241411	9.692375	11.82867	2.010806E-02			SPCC (0.05)	
1,2-Dibromoethane	0.1985736	6.868898	7.496833	1.532094E-02			SPCC (0.1)	
1,2-Dichlorobenzene	0.8944064	6.906879	10.94817	0.0189584			SPCC (0.4)	
1,2-Dichloroethane	1.3099	6.464233	4.769	3.398444E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2411802	6.96663	5.558	0.0468797			SPCC (0.1)	
1,3,5-Trimethylbenzene	1.763666	7.271198	9.7275	8.911275E-03			20	
1,3-Dichlorobenzene	0.9248781	7.698075	10.43517	1.957511E-02			SPCC (0.6)	
1,3-Dichloropropane	0.3441468	6.390109	7.1595	2.796718E-02			20	
1,4-Dichlorobenzene	0.9275441	7.503325	10.53667	9.625639E-03			SPCC (0.5)	
1,4-Dioxane	2.867726E-03	9.074479	5.693833	5.795245E-02			20	
2,2-Dichloropropane	1.149767	8.370387	3.9565	5.058388E-02			20	
2-Butanone	0.1341713	8.69208	3.983667	0.050935			SPCC (0.1)	
2-Chlorotoluene	1.520527	6.927021	9.6125	2.238045E-02			20	
2-Hexanone	0.1763906	9.492121	7.253167	1.694175E-02			SPCC (0.1)	
4-Chlorotoluene	1.75887	7.769396	9.732334	1.703097E-02			20	
4-Methyl-2-pentanone	0.2451571	7.09301	6.4165	2.926914E-02			SPCC (0.1)	
Acetone	0.4944566	17.4934	2.464333	9.045589E-02			SPCC (0.1)	
Acrolein	0.1430353	11.25242	2.326	0.105377			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Calibration: YH00005 Instrument: QVOA1

Calibration Date: 08/05/20 16:20

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	0.4492529	6.326496	3.054	6.339853E-02			20	
Benzene	3.479749	7.216862	4.746833	3.207946E-02			SPCC (0.5)	
Bromobenzene	0.8349675	6.482802	9.3925	0.0310836			20	
Bromochloromethane	0.8224407	6.809457	4.172	3.262696E-02			20	
Bromodichloromethane	0.2835421	8.705964	5.823167	2.103638E-02			SPCC (0.2)	
Bromoform	0.1150331	14.9765	8.882	1.184861E-02			SPCC (0.1)	
Bromomethane	0.341533	12.78733	1.66	1.939754E-02			SPCC (0.1)	
Carbon disulfide	2.302804	8.337152	2.582	6.133722E-02			SPCC (0.1)	
Carbon tetrachloride	1.059873	8.905798	4.555333	5.151749E-02			SPCC (0.1)	
Chlorobenzene	0.6015374	7.132566	8.008	0.0126229			SPCC (0.5)	
Chloroethane	0.3251376	12.07873	1.7445	6.994434E-02			SPCC (0.1)	
Chloroform	1.55358	5.949726	4.249667	5.013698E-02			SPCC (0.2)	
Chloromethane	0.6701858	18.55796	1.329	1.552186E-02			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.555397	6.395039	3.957333	2.867268E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3386966	9.106151	6.2565	1.855341E-02			SPCC (0.2)	
Cyclohexane	1.684113	14.78827	4.454667	1.788814E-02			SPCC (0.1)	
Dibromochloromethane	0.1951224	11.15056	7.3845	3.132748E-02			SPCC (0.1)	
Dibromomethane	0.1389798	6.403917	5.6685	1.512352E-02			20	
Dichlorodifluoromethane	0.4832965	33.0312	1.1895	0.1029614			SPCC (0.1)	
Ethyl Benzene	1.04159	7.688339	8.1295	0.0278386			SPCC (0.1)	
Hexachlorobutadiene	0.3353299	7.11052	12.9735	1.706471E-02			20	
Isopropylbenzene	2.136338	7.08716	9.0785	2.275008E-02			SPCC (0.1)	
Methyl acetate	0.8147794	12.09852	2.752	0.0574073			SPCC (0.1)	
Methyl tert-butyl ether (MTBE)	2.386426	5.903421	3.075833	2.947404E-02			SPCC (0.1)	
Methylcyclohexane	0.3919989	13.07982	5.5215	4.316932E-02			SPCC (0.1)	
Methylene chloride	1.171363	7.402858	2.8285	0.0365631			SPCC (0.1)	
Naphthalene	1.874609	9.652784	13.038	1.307599E-02			20	
n-Butylbenzene	2.125236	8.262161	10.9525	7.000777E-03			20	
n-Propylbenzene	2.552575	8.220843	9.528	2.268129E-02			20	
o-Xylene	0.8297224	7.387583	8.6745	1.881515E-02			SPCC (0.3)	
p- & m- Xylenes	0.7875437	9.280083	8.2555	1.146221E-02			SPCC (0.1)	
p-Diethylbenzene	1.035146	12.40624	10.926	2.535772E-02			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Calibration: YH00005
Instrument: QVOA1
Calibration Date: 08/05/20 16:20

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
p-Ethyltoluene	2.025595	13.76316	9.654667	2.887004E-02			20	
p-Isopropyltoluene	1.928071	7.612622	10.4955	1.842354E-02			20	
sec-Butylbenzene	2.242885	7.270184	10.3255	1.088019E-02			20	
Styrene	0.6482046	7.736098	8.6925	9.993565E-03			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.568562	2.323136	4.699	3.212746E-02			20	
SURR: p-Bromofluorobenzene	1.059473	0.641109	9.238	1.151657E-02			20	
SURR: Toluene-d8	1.233935	0.5392327	6.515	2.060447E-02			20	
tert-Butyl alcohol (TBA)	0.1670271	34.64966	2.956667	0.2835683	0.99968		0.99	
tert-Butylbenzene	1.720265	7.070151	10.0825	1.434167E-02			20	
Tetrachloroethylene	0.2320061	7.363311	7.125333	1.377529E-02			SPCC (0.2)	
Toluene	0.9250869	8.421864	6.5805	2.140933E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.306826	7.76254	3.0665	5.145308E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.2966532	11.74771	6.8095	0.0135121			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.596334	9.438006	9.450833	1.683441E-02			20	
Trichloroethylene	0.2223867	7.371625	5.346	2.817942E-02			SPCC (0.2)	
Trichlorofluoromethane	1.058772	9.767028	1.955167	8.055344E-02			SPCC (0.1)	
Vinyl acetate	2.399777	8.196717	3.5035	0.072071			20	
Vinyl Chloride	0.6466342	14.83203	1.41	1.271817E-02			SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00024

Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	0.5	0.1972084	2	0.1901644	4	0.2055944	10	0.2358966	20	0.2279057	40	0.2283372
1,1,1-Trichloroethane	0.5	1.465483	2	1.305515	4	1.501733	10	1.738103	20	1.765197	40	1.733016
1,1,2,2-Tetrachloroethane	0.5	0.3884944	2	0.3649686	4	0.375049	10	0.4201557	20	0.3962347	40	0.409193
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	0.5	0.8145797	2	0.6630164	4	0.7731389	10	0.831944	20	0.900971	40	0.867593
1,1,2-Trichloroethane	0.5	0.1225702	2	0.1155385	4	0.1139519	10	0.1337973	20	0.1225937	40	0.1252502
1,1-Dichloroethane	0.5	1.785128	2	1.616059	4	1.785053	10	2.062541	20	2.050525	40	2.032772
1,1-Dichloroethylene	0.5	1.465182	2	1.241592	4	1.473	10	1.658475	20	1.696294	40	1.638158
1,1-Dichloropropylene	0.5	1.298703	2	1.076485	4	1.230828	10	1.473478	20	1.485264	40	1.415373
1,2,3-Trichlorobenzene	0.5	0.4938767	2	0.4448524	4	0.4679186	10	0.5407074	20	0.5423893	40	0.5635147
1,2,3-Trichloropropane	0.5	9.786971E-02	2	0.1145257	4	0.1090156	10	0.1254414	20	0.1176887	40	0.1208071
1,2,4,5-Tetramethylbenzene	0.5	2.483997	2	2.332557	4	2.389447	10	2.697727	20	2.763556	40	2.835517
1,2,4-Trichlorobenzene	0.5	0.5216631	2	0.5385357	4	0.5964208	10	0.6973326	20	0.6911521	40	0.7180312
1,2,4-Trimethylbenzene	0.5	3.190388	2	3.064833	4	3.393112	10	3.936624	20	3.825279	40	3.805466
1,2-Dibromo-3-chloropropa ne	0.5	8.994546E-02	2	8.360829E-02	4	6.958263E-02	10	8.566169E-02	20	8.523273E-02	40	8.756226E-02
1,2-Dibromoethane	0.5	9.875719E-02	2	0.1058385	4	0.103956	10	0.120919	20	0.1159713	40	0.1161993
1,2-Dichlorobenzene	0.5	1.30143	2	1.139981	4	1.237201	10	1.40011	20	1.346814	40	1.338787
1,2-Dichloroethane	0.5	0.8328995	2	0.8229456	4	0.849765	10	0.995461	20	0.9687491	40	0.9653773
1,2-Dichloropropane	0.5	0.2628054	2	0.2369865	4	0.2606407	10	0.29382	20	0.284809	40	0.2791177
1,3,5-Trimethylbenzene	0.5	3.49789	2	3.207483	4	3.613104	10	4.090342	20	3.995037	40	4.000257
1,3-Dichlorobenzene	0.5	1.532469	2	1.500103	4	1.554068	10	1.807871	20	1.729465	40	1.754306
1,3-Dichloropropane	0.5	0.2054984	2	0.1985285	4	0.2116441	10	0.2392065	20	0.2267232	40	0.2272216
1,4-Dichlorobenzene	0.5	1.537306	2	1.397848	4	1.49999	10	1.712912	20	1.639128	40	1.656515
1,4-Dioxane	10	4.117201E-04	40	6.850577E-04	80	5.880862E-04	200	6.17585E-04	400	6.263156E-04	800	6.111154E-04
2,2-Dichloropropane	0.5	1.169863	2	1.046	4	1.248815	10	1.375084	20	1.368152	40	1.359011
2-Butanone	0.5	3.473752E-02	2	3.009862E-02	4	2.282222E-02	10	3.135829E-02	20	2.649244E-02	40	2.636401E-02
2-Chlorotoluene	0.5	3.364722	2	2.898118	4	3.1352	10	3.498829	20	3.391637	40	3.426954
2-Hexanone	0.5	5.602732E-02	2	4.341989E-02	4	4.526107E-02	10	5.430852E-02	20	5.273707E-02	40	5.253976E-02
4-Chlorotoluene	0.5	3.495935	2	3.109741	4	3.463603	10	3.952857	20	3.854579	40	3.887806
4-Methyl-2-pentanone	0.5	9.094007E-02	2	7.567881E-02	4	7.404836E-02	10	8.885835E-02	20	8.160269E-02	40	8.538143E-02
Acetone	0.5	0.4278621	2	0.1683248	4	0.1182452	10	0.1133828	20	9.763438E-02	40	9.558802E-02

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00024

Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	0.5	3.533817E-02	2	3.866366E-02	4	3.597401E-02	10	4.291083E-02	20	4.340104E-02	40	4.375591E-02
Acrylonitrile	0.5	0.1463581	2	0.1263223	4	0.1151507	10	0.1295329	20	0.1252688	40	0.1238285
Benzene	0.5	3.488668	2	3.13962	4	3.384095	10	3.928576	20	3.922497	40	3.842516
Bromobenzene	0.5	1.47031	2	1.355424	4	1.443734	10	1.665272	20	1.580796	40	1.602038
Bromochloromethane	0.5	0.7007568	2	0.6397166	4	0.6305484	10	0.7393919	20	0.711573	40	0.7085166
Bromodichloromethane	0.5	0.2779389	2	0.2581437	4	0.2744725	10	0.3097973	20	0.3028537	40	0.3077925
Bromoform	0.5	6.696016E-02	2	5.825294E-02	4	6.139707E-02	10	0.0736266	20	6.983992E-02	40	7.413332E-02
Bromomethane	0.5	0.5977456	2	0.4099122	4	0.4674324	10	0.5008444	20	0.5479936	40	0.5517069
Carbon disulfide	0.5	2.128098	2	1.744438	4	2.038225	10	2.359041	20	2.402529	40	2.268018
Carbon tetrachloride	0.5	1.24044	2	1.02028	4	1.264759	10	1.453268	20	1.495551	40	1.466564
Chlorobenzene	0.5	0.6434796	2	0.5707169	4	0.6201843	10	0.7051416	20	0.6905888	40	0.6866661
Chloroethane	0.5	0.6834381	2	0.4750936	4	0.5528707	10	0.5998633	20	0.6330394	40	0.6122415
Chloroform	0.5	1.608437	2	1.402465	4	1.496391	10	1.720523	20	1.719316	40	1.675172
Chloromethane	0.5	1.373583	2	0.9731484	4	1.102744	10	1.1998	20	1.244204	40	1.178017
cis-1,2-Dichloroethylene	0.5	1.59292	2	1.448339	4	1.550412	10	1.784792	20	1.767934	40	1.746628
cis-1,3-Dichloropropylene	0.5	0.3033376	2	0.2960555	4	0.3074134	10	0.3533472	20	0.3525896	40	0.3520054
Cyclohexane	0.5	4.404357	2	1.989509	4	1.494565	10	1.962033	20	2.047463	40	2.375489
Dibromochloromethane	0.5	0.1211236	2	0.1218955	4	0.1288272	10	0.1518164	20	0.1486928	40	0.1533081
Dibromomethane	0.5	9.066188E-02	2	8.137775E-02	4	7.832565E-02	10	9.307365E-02	20	0.089285	40	8.989805E-02
Dichlorodifluoromethane	0.5	0.8780483	2	0.5854956	4	0.7840786	10	0.8976963	20	0.9339658	40	0.9102467
Ethyl Benzene	0.5	1.266123	2	1.124028	4	1.228222	10	1.426107	20	1.39849	40	1.373216
Hexachlorobutadiene	0.5	0.3153237	2	0.2808112	4	0.3332438	10	0.3892739	20	0.3841784	40	0.3942464
Isopropylbenzene	0.5	4.571679	2	3.929637	4	4.527567	10	5.234003	20	5.097731	40	5.049426
Methyl acetate	0.5	0.2325512	2	0.2231992	4	0.1953911	10	0.2012104	20	0.2027743	40	0.2014628
Methyl tert-butyl ether (MTBE)	0.5	1.272374	2	1.191049	4	1.196112	10	1.389341	20	1.341969	40	1.342532
Methylcyclohexane	0.5	0.4744518	2	0.3595994	4	0.4463536	10	0.4812891	20	0.5056431	40	0.5000702
Methylene chloride	0.5	1.115204	2	1.1076	4	1.101511	10	1.251799	20	1.214773	40	1.191003
Naphthalene	0.5	1.274262	2	1.009077	4	1.002479	10	1.194905	20	1.140623	40	1.203257
n-Butylbenzene	0.5	3.481116	2	3.057003	4	3.605431	10	4.155111	20	4.143264	40	4.108679
n-Propylbenzene	0.5	5.29824	2	4.618773	4	5.346473	10	6.214152	20	6.003768	40	6.006273
o-Xylene	0.5	0.9640093	2	0.8907001	4	0.9587393	10	1.104425	20	1.085091	40	1.073017

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00024

Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	1	0.9723549	4	0.8942076	8	0.984261	20	1.134698	40	1.109571	80	1.072266
p-Diethylbenzene	0.5	1.955233	2	1.653233	4	1.770611	10	1.938426	20	2.017194	40	2.020152
p-Ethyltoluene	0.5	4.317176	2	3.804201	4	3.84946	10	4.266165	20	4.268488	40	4.287824
p-Isopropyltoluene	0.5	3.495832	2	3.084028	4	3.567486	10	4.140373	20	4.000115	40	4.039733
sec-Butylbenzene	0.5	4.20953	2	3.567223	4	4.258653	10	5.00018	20	4.77671	40	4.802351
Styrene	0.5	0.5747668	2	0.5807131	4	0.631839	10	0.7436274	20	0.7294529	40	0.718287
SURR: 1,2-Dichloroethane-d4	10	0.864854	10	0.9085234	10	0.8870784	10	0.8895993	10	0.9081892	10	0.9131395
SURR: p-Bromofluorobenzene	10	1.76945	10	1.731838	10	1.735458	10	1.743414	10	1.720711	10	1.768007
SURR: Toluene-d8	10	1.410634	10	1.391202	10	1.398233	10	1.380843	10	1.393406	10	1.389045
tert-Butyl alcohol (TBA)	0.5	9.490249E-02	2	4.647866E-02	4	3.237177E-02	10	3.280297E-02	20	2.956156E-02	40	2.925331E-02
tert-Butylbenzene	0.5	3.365133	2	2.982299	4	3.409815	10	3.966016	20	3.744455	40	3.758819
Tetrachloroethylene	0.5	0.2565461	2	0.2224036	4	0.2676503	10	0.2991811	20	0.2982779	40	0.2882561
Toluene	0.5	1.20417	2	0.9932284	4	1.068621	10	1.193699	20	1.181762	40	1.166163
trans-1,2-Dichloroethylene	0.5	1.332039	2	1.215171	4	1.367532	10	1.584416	20	1.589586	40	1.557754
trans-1,3-Dichloropropylene	0.5	0.2164034	2	0.2204886	4	0.2326326	10	0.2682811	20	0.2640601	40	0.2624823
trans-1,4-dichloro-2-butene	0.5	0.5615931	2	0.5117725	4	0.5092398	10	0.5872421	20	0.5581654	40	0.5750775
Trichloroethylene	0.5	0.2449178	2	0.2353874	4	0.2606006	10	0.3018328	20	0.2943992	40	0.2892489
Trichlorofluoromethane	0.5	1.383995	2	0.9753985	4	1.307225	10	1.446474	20	1.54429	40	1.517128
Vinyl acetate	0.5	0.6171665	2	0.5833906	4	0.5505014	10	0.5292547	20	0.5442977	40	0.5592582
Vinyl Chloride	0.5	1.066652	2	0.7591191	4	0.9746465	10	1.035307	20	1.095858	40	1.088708

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00024 Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	80	0.2425454	120	0.2334604	160	0.2379332						
1,1,1-Trichloroethane	80	1.884489	120	1.78746	160	1.849187						
1,1,2,2-Tetrachloroethane	80	0.4445056	120	0.4522006	160	0.4545234						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	80	0.9348525	120	0.8809352	160	0.9085865						
1,1,2-Trichloroethane	80	0.1314288	120	0.1321807	160	0.1346044						
1,1-Dichloroethane	80	2.163955	120	2.055842	160	2.095814						
1,1-Dichloroethylene	80	1.801841	120	1.679948	160	1.706715						
1,1-Dichloropropylene	80	1.552098	120	1.449524	160	1.487411						
1,2,3-Trichlorobenzene	80	0.6264599	120	0.6363088	160	0.6532255						
1,2,3-Trichloropropane	80	0.1302786	120	0.1322362	160	0.1334866						
1,2,4,5-Tetramethylbenzene	80	3.208324	120	3.113893	160	3.191105						
1,2,4-Trichlorobenzene	80	0.8182385	120	0.8035011	160	0.8373131						
1,2,4-Trimethylbenzene	80	4.193198	120	3.964248	160	4.160684						
1,2-Dibromo-3-chloropropane	80	9.592544E-02	120	0.1001338	160	0.1028613						
1,2-Dibromoethane	80	0.1230539	120	0.1255609	160	0.127464						
1,2-Dichlorobenzene	80	1.437444	120	1.365633	160	1.387075						
1,2-Dichloroethane	80	1.018287	120	1.018291	160	1.016748						
1,2-Dichloropropane	80	0.3012801	120	0.2928559	160	0.2946942						
1,3,5-Trimethylbenzene	80	4.373029	120	4.165114	160	4.224006						
1,3-Dichlorobenzene	80	1.911561	120	1.853366	160	1.931576						
1,3-Dichloropropane	80	0.2392935	120	0.2405068	160	0.2451588						
1,4-Dichlorobenzene	80	1.782638	120	1.754691	160	1.831236						
1,4-Dioxane	1600	6.564516E-04	2400	6.786241E-04	3200	7.08518E-04						
2,2-Dichloropropane	80	1.493677	120	1.408412	160	1.458604						
2-Butanone	80	2.827094E-02	120	2.769369E-02	160	2.863064E-02						
2-Chlorotoluene	80	3.841935	120	3.607296	160	3.673306						
2-Hexanone	80	5.623202E-02	120	0.0584497	160	5.791162E-02						
4-Chlorotoluene	80	4.301352	120	4.092999	160	4.162832						
4-Methyl-2-pentanone	80	8.848554E-02	120	9.163646E-02	160	9.293434E-02						
Acetone	80	9.173256E-02	120	9.185182E-02	160	9.022883E-02						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00024 Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	80	4.453376E-02	120	0.0464497	160	4.826789E-02						
Acrylonitrile	80	0.1267019	120	0.1372576	160	0.1372503						
Benzene	80	4.075984	120	3.84761	160	3.910282						
Bromobenzene	80	1.767695	120	1.725751	160	1.745762						
Bromochloromethane	80	0.7079543	120	0.6839957	160	0.6717088						
Bromodichloromethane	80	0.3344531	120	0.3333281	160	0.3438894						
Bromoform	80	7.834437E-02	120	0.0812963	160	8.315687E-02						
Bromomethane	80	0.6351891	120	0.6033236	160	0.6129852						
Carbon disulfide	80	2.495417	120	2.341965	160	2.437743						
Carbon tetrachloride	80	1.591102	120	1.51516	160	1.581116						
Chlorobenzene	80	0.7353215	120	0.7000389	160	0.7145474						
Chloroethane	80	0.6572697	120	0.6196735	160	0.6407336						
Chloroform	80	1.796852	120	1.744001	160	1.781318						
Chloromethane	80	1.260848	120	1.201253	160	1.276971						
cis-1,2-Dichloroethylene	80	1.891097	120	1.778866	160	1.807017						
cis-1,3-Dichloropropylene	80	0.381529	120	0.374392	160	0.3874419						
Cyclohexane	80	1.871193	120	2.074476	160	2.007418						
Dibromochloromethane	80	0.1622477	120	0.1655359	160	0.1688919						
Dibromomethane	80	9.720785E-02	120	9.907486E-02	160	0.1022028						
Dichlorodifluoromethane	80	0.9952243	120	0.9197618	160	0.9410087						
Ethyl Benzene	80	1.467343	120	1.360016	160	1.342436						
Hexachlorobutadiene	80	0.4580388	120	0.4504238	160	0.4652345						
Isopropylbenzene	80	5.629186	120	5.199891	160	5.198217						
Methyl acetate	80	0.2061106	120	0.2159433	160	0.2127456						
Methyl tert-butyl ether (MTBE)	80	1.417124	120	1.459373	160	1.47212						
Methylcyclohexane	80	0.5359303	120	0.5146266	160	0.5315387						
Methylene chloride	80	1.266783	120	1.234173	160	1.236616						
Naphthalene	80	1.339345	120	1.378432	160	1.415007						
n-Butylbenzene	80	4.424763	120	4.231126	160	4.248034						
n-Propylbenzene	80	6.607059	120	6.142013	160	5.775684						
o-Xylene	80	1.128403	120	1.055333	160	1.079383						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde

Calibration: YH00024 Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	160	1.152732	240	1.071663	320	0.9779492						
p-Diethylbenzene	80	2.204605	120	2.100513	160	2.140639						
p-Ethyltoluene	80	4.746047	120	4.456561	160	4.51092						
p-Isopropyltoluene	80	4.369718	120	4.178834	160	4.351455						
sec-Butylbenzene	80	5.197498	120	4.94832	160	5.052836						
Styrene	80	0.7552704	120	0.715679	160	0.7257487						
SURR: 1,2-Dichloroethane-d4	10	0.8685951	10	0.920277	10	0.8840471						
SURR: p-Bromofluorobenzene	10	1.800336	10	1.811997	10	1.807227						
SURR: Toluene-d8	10	1.427955	10	1.458344	10	1.44873						
tert-Butyl alcohol (TBA)	80	2.975453E-02	120	3.269822E-02	160	3.431921E-02						
tert-Butylbenzene	80	4.149829	120	3.922802	160	4.047822						
Tetrachloroethylene	80	0.3131381	120	0.2984772	160	0.3052939						
Toluene	80	1.268163	120	1.195342	160	1.220187						
trans-1,2-Dichloroethylene	80	1.688775	120	1.589035	160	1.615353						
trans-1,3-Dichloropropylene	80	0.2830709	120	0.2844211	160	0.2925017						
trans-1,4-dichloro-2-butene	80	0.6268923	120	0.6313739	160	0.631656						
Trichloroethylene	80	0.326544	120	0.3068484	160	0.3214098						
Trichlorofluoromethane	80	1.650378	120	1.533772	160	1.593						
Vinyl acetate	80	0.5612732	120	0.6191833	160	0.6166588						
Vinyl Chloride	80	1.188253	120	1.068903	160	1.113981						

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Calibration: YH00024
Instrument: QVOA9
Calibration Date: 08/26/20 01:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.2221162	8.6785	8.918	2.574676E-02			20	
1,1,1-Trichloroethane	1.67002	11.8361	5.146333	5.227173E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.4117028	8.116479	10.198	2.365334E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.8417352	9.969243	3.020778	8.951419E-02			SPCC (0.1)	
1,1,2-Trichloroethane	0.1257684	6.162449	7.772333	5.877677E-03			SPCC (0.1)	
1,1-Dichloroethane	1.960854	9.415865	4.133222	0.0453786			SPCC (0.2)	
1,1-Dichloroethylene	1.595689	10.74688	3.005333	0.0467523			SPCC (0.1)	
1,1-Dichloropropylene	1.385463	11.05799	5.295333	4.161903E-02			20	
1,2,3-Trichlorobenzene	0.5521393	13.61063	14.19967	2.157207E-02			20	
1,2,3-Trichloropropane	0.12015	9.817171	10.26567	0.0429666			20	
1,2,4,5-Tetramethylbenzene	2.779569	12.16333	12.665	1.705194E-02			20	
1,2,4-Trichlorobenzene	0.6913543	17.10598	13.65367	2.211165E-02			SPCC (0.2)	
1,2,4-Trimethylbenzene	3.725981	11.06321	10.97633	0.0208922			20	
1,2-Dibromo-3-chloropropane	8.894596E-02	11.23178	12.68667	2.174136E-02			SPCC (0.05)	
1,2-Dibromoethane	0.1153022	8.876853	8.305778	1.605838E-02			SPCC (0.1)	
1,2-Dichlorobenzene	1.328275	6.882309	11.80433	1.084158E-02			SPCC (0.4)	
1,2-Dichloroethane	0.9431693	8.864324	5.504333	0.0544277			SPCC (0.1)	
1,2-Dichloropropane	0.2785566	7.563167	6.335	3.072667E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	3.907363	9.818349	10.55856	3.276683E-02			20	
1,3-Dichlorobenzene	1.730532	9.545414	11.29567	2.545355E-02			SPCC (0.6)	
1,3-Dichloropropane	0.2259757	7.522511	7.939667	1.719443E-02			20	
1,4-Dichlorobenzene	1.645807	8.703378	11.413	2.098755E-02			SPCC (0.5)	
1,4-Dioxane	6.20386E-04	14.1163	6.398667	5.057898E-02			20	
2,2-Dichloropropane	1.325291	10.88552	4.672667	7.097924E-02			20	
2-Butanone	2.849649E-02	11.84725	4.616333	0.1576292			SPCC (0.1)	
2-Chlorotoluene	3.426444	8.257876	10.45	3.119779E-02			20	
2-Hexanone	5.298744E-02	10.05509	7.968667	2.401311E-02			SPCC (0.1)	
4-Chlorotoluene	3.813523	10.08514	10.58433	3.701104E-02			20	
4-Methyl-2-pentanone	8.550734E-02	8.118378	7.125	3.753581E-02			SPCC (0.1)	
Acetone	0.1438723	75.98373	3.006	7.104269E-02	0.99994		SPCC (0.1)	
Acrolein	4.214389E-02	10.71124	2.883667	0.1416533			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Calibration: YH00024 Instrument: QVOA9

Calibration Date: 08/26/20 01:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	0.1297412	7.094701	3.637222	8.449598E-02			20	
Benzene	3.72665	8.387018	5.472333	3.645422E-02			SPCC (0.5)	
Bromobenzene	1.595198	9.156094	10.23467	0.0280625			20	
Bromochloromethane	0.6882402	5.160507	4.876111	2.796762E-02			20	
Bromodichloromethane	0.304741	9.759905	6.582667	2.811078E-02			SPCC (0.2)	
Bromoform	7.188973E-02	11.94278	9.698111	3.576004E-02			SPCC (0.1)	
Bromomethane	0.5474592	13.72314	2.149333	4.897475E-02			SPCC (0.1)	
Carbon disulfide	2.246164	10.61256	3.235	5.093303E-02			SPCC (0.1)	
Carbon tetrachloride	1.403138	13.49485	5.308778	3.697216E-02			SPCC (0.1)	
Chlorobenzene	0.6740761	7.776574	8.826	0.0258965			SPCC (0.5)	
Chloroethane	0.608247	10.19126	2.256333	0.1041599			SPCC (0.1)	
Chloroform	1.660497	8.070298	4.967556	2.692253E-02			SPCC (0.2)	
Chloromethane	1.201174	9.451243	1.725444	7.000276E-02			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.707556	8.406209	4.656	4.254072E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3453457	10.09276	7.009333	2.910581E-02			SPCC (0.2)	
Cyclohexane	2.247389	37.40243	5.245889	5.803695E-02	0.99824		SPCC (0.1)	
Dibromochloromethane	0.1469266	12.62166	8.174667	2.627841E-02			SPCC (0.1)	
Dibromomethane	9.123417E-02	8.58298	6.417889	5.564423E-02			20	
Dichlorodifluoromethane	0.8717251	13.93454	1.555333	8.365364E-02			SPCC (0.1)	
Ethyl Benzene	1.331776	8.076246	8.930333	1.861135E-02			SPCC (0.1)	
Hexachlorobutadiene	0.3856416	17.03904	13.83667	2.243151E-02			20	
Isopropylbenzene	4.937482	10.27496	9.889667	8.112142E-03			SPCC (0.1)	
Methyl acetate	0.2101543	5.720804	3.322333	6.185264E-02			SPCC (0.1)	
Methyl tert-butyl ether (MTBE)	1.342444	7.790816	3.729333	0.0521912			SPCC (0.1)	
Methylcyclohexane	0.4832781	11.24054	6.358444	4.656307E-02			SPCC (0.1)	
Methylene chloride	1.191051	5.526212	3.46	4.178538E-02			SPCC (0.1)	
Naphthalene	1.217487	12.29558	13.941	2.059411E-02			20	
n-Butylbenzene	3.939392	11.46836	11.80367	2.252056E-02			20	
n-Propylbenzene	5.779159	10.37012	10.35211	2.757931E-02			20	
o-Xylene	1.037678	7.731698	9.483889	0.0187036			SPCC (0.3)	
p- & m- Xylenes	1.041078	8.410777	9.072333	3.217046E-02			SPCC (0.1)	
p-Diethylbenzene	1.977845	8.878511	11.77733	0.0242384			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park
Calibration: YH00024
Instrument: QVOA9
Calibration Date: 08/26/20 01:52

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
p-Ethyltoluene	4.278538	6.988304	10.49233	1.687055E-02			20	
p-Isopropyltoluene	3.914175	11.16342	11.342	2.469201E-02			20	
sec-Butylbenzene	4.645922	11.37008	11.16333	2.023665E-02			20	
Styrene	0.6861538	10.29276	9.503333	2.623508E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	0.8938114	2.212998	5.432778	3.392418E-02			20	
SURR: p-Bromofluorobenzene	1.765382	1.969192	10.08067	1.781752E-02			20	
SURR: Toluene-d8	1.410932	1.974449	7.289778	1.040727E-02			20	
tert-Butyl alcohol (TBA)	4.023808E-02	52.57804	3.53	8.442573E-02	0.99791		0.99	
tert-Butylbenzene	3.705221	10.27868	10.91011	3.426809E-02			20	
Tetrachloroethylene	0.2832471	10.27375	7.904444	3.101696E-02			SPCC (0.2)	
Toluene	1.165704	7.179791	7.360333	2.975576E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.504407	10.56424	3.739333	4.154321E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.2582602	11.00289	7.567889	2.756687E-02			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.5770014	8.216198	10.26333	3.619816E-02			20	
Trichloroethylene	0.2867988	11.40075	6.104	1.728876E-02			SPCC (0.2)	
Trichlorofluoromethane	1.439073	14.11205	2.512333	3.942406E-02			SPCC (0.1)	
Vinyl acetate	0.5756649	6.018735	4.12	5.188299E-02			20	
Vinyl Chloride	1.043492	11.61744	1.832	8.209185E-02			SPCC (0.1)	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	549424	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1937839	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	867919	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	823920	64.08	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 128.16%#				
54) Toluene-d8 (SURR)	6.369	98	2630503	52.60	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 105.20%				
73) p-Bromofluorobenzene (...	9.104	95	1064735	59.24	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 118.48%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	30347	8.53	ppb		100
3) Chloromethane	1.274	50	55585m	6.27	ppb		
4) Vinyl Chloride	1.336	62	46075	5.61	ppb		100
5) Bromomethane	1.580	94	19250	8.28	ppb		97
6) Allyl Chloride	2.615	76	18809	4.17	ppb	#	100
7) Chloroethane	1.655	64	24409	7.23	ppb		100
8) Trichlorofluoromethane	1.842	101	82479	7.62	ppb		98
9) Ethanol	2.095	45	21151	361.70	ppb		82
10) Freon-113	2.256	101	41447	5.82	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	60941	5.37	ppb		87
12) Acrolein	2.245	56	3669m	6.67	ppb		
13) Acetone	2.393	43	19171	7.40	ppb	#	43
14) Iodomethane	2.429	142	27116m	2.74	ppb		
15) Methyl Acetate	2.654	43	35062m	6.64	ppb		
16) Carbon disulfide	2.471	76	92348	3.95	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	3404m	5.56	ppb		
18) Methylene Chloride	2.741	49	48226	4.99	ppb		87
19) Acrylonitrile	3.005	53	8333m	4.17	ppb		
20) trans-1,2-Dichloroethy...	2.952	61	54020	4.88	ppb		92
21) tert-Butyl Methyl Ethe...	2.941	73	87370	4.87	ppb		99
22) 1,1-Dichloroethane	3.339	63	69489	4.80	ppb	#	97
23) Vinyl Acetate	3.392	43	50991m	5.38	ppb		
24) Diisopropyl ether (DIPE)	3.355	45	151079	5.72	ppb	#	86
25) Ethyl-tert-Butyl ether...	3.675	59	124793	5.50	ppb	#	79
26) cis-1,2-Dichloroethylene	3.856	61	62388	5.08	ppb		88
27) 2-Butanone	3.912	72	3141m	5.22	ppb		
28) 2,2-Dichloropropane	3.826	77	60184	5.07	ppb	#	93
29) Tetrahydrofuran	4.126	42	8305m	4.21	ppb		
30) Bromochloromethane	4.090	49	31942	5.19	ppb	#	74
31) Chloroform	4.157	83	67288	5.26	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	55404	4.98	ppb		100
33) Cyclohexane	4.285	56	78038	5.22	ppb		86
34) 1,1-Dichloropropylene	4.421	75	53947	4.80	ppb		72
36) Carbon Tetrachloride	4.413	117	40152m	4.85	ppb		
37) tert-Amyl alcohol (TAA)	4.699	59	25350m	48.16	ppb		
38) 1,2-Dichloroethane	4.680	62	51667m	6.26	ppb		
39) Benzene	4.621	78	136172	4.29	ppb	#	1
40) tert-Amyl methyl ether...	4.699	73	112464	5.14	ppb	#	91
42) Trichloroethylene	5.211	95	36067	4.99	ppb		79
43) Methyl Cyclohexane	5.336	83	74457	5.38	ppb	#	68
44) Methyl Methacrylate	5.553	69	16638	4.42	ppb	#	82
45) Dibromomethane	5.581	93	18270	5.26	ppb	#	65
46) Bromodichloromethane	5.731	83	40989	5.52	ppb	#	96
47) 1,2-Dichloropropane	5.448	63	36072	5.13	ppb	#	95
48) 1,4-Dioxane	5.609	88	5167m	97.61	ppb		
49) 2-Chloroethyl vinyl ether	6.012	63	17300	5.84	ppb		95
50) 2-nitropropane	5.974	43	1934m	16.59	ppb		
51) cis-1,3-Dichloropropene	6.149	75	52760	4.95	ppb	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

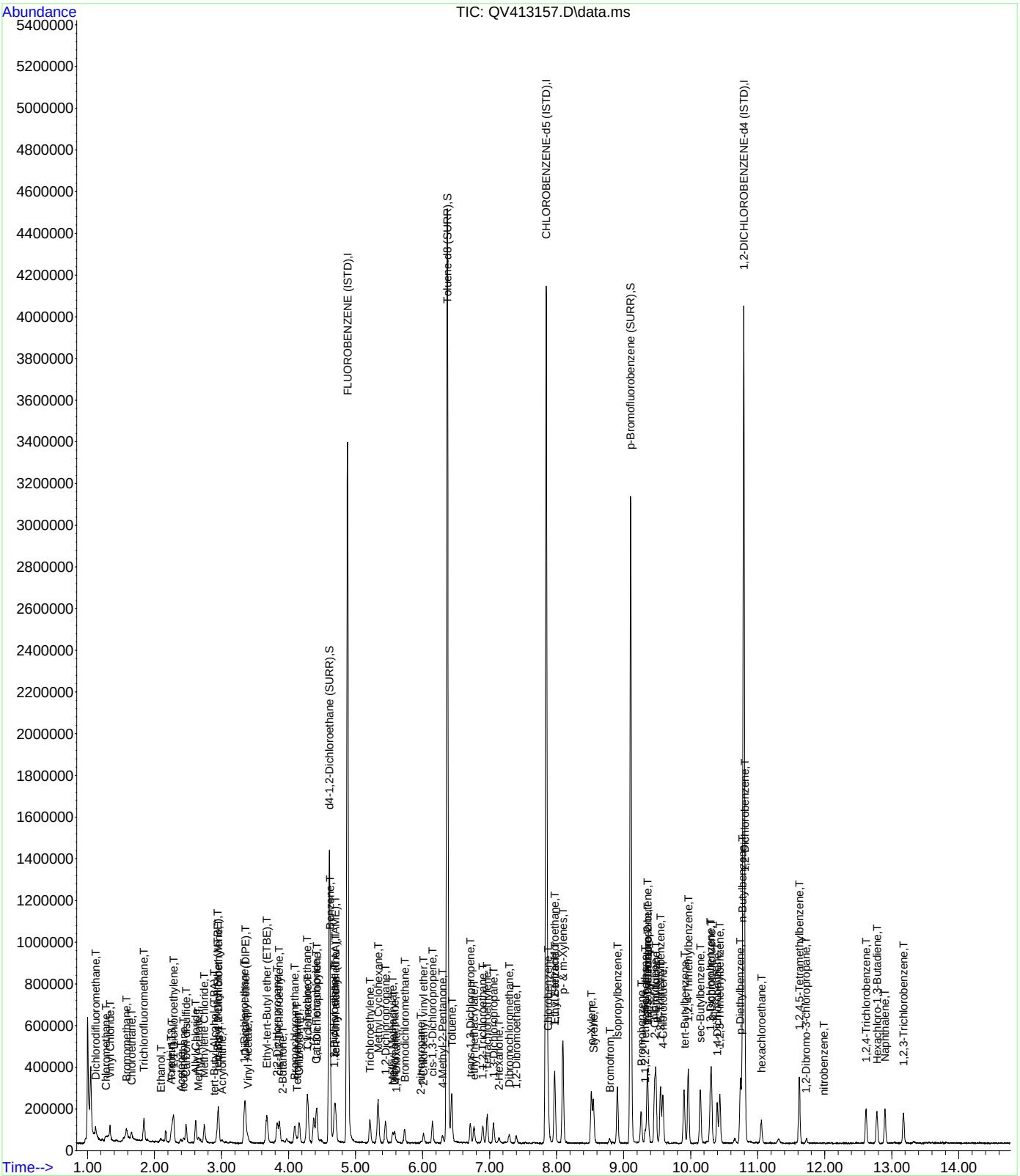
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.766	69	32958	4.60	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	27488	5.14	ppb	#	89
55) Toluene	6.438	91	156268	4.66	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	44809	4.94	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	25806	5.13	ppb	#	81
58) 1,3-Dichloropropane	7.061	76	49491	5.33	ppb	#	88
59) Tetrachloroethylene	6.961	166	32389	4.37	ppb		92
60) 2-Hexanone	7.139	43	19656	5.13	ppb	#	72
61) Dibromochloromethane	7.292	129	20743m	4.54	ppb		
62) 1,2-Dibromoethane	7.395	107	24629	4.80	ppb		96
63) Chlorobenzene	7.874	112	89098	4.56	ppb	#	30
64) 1,1,1,2-tetrachloroethane	7.968	131	24272m	4.43	ppb		
65) Ethyl Benzene	7.971	91	173264	4.89	ppb		94
66) p- & m-Xylenes	8.094	91	279765	10.31	ppb		91
67) o-Xylene	8.516	91	140052	4.99	ppb		97
68) Styrene	8.550	104	96928	4.56	ppb	#	100
69) Bromofrom	8.795	173	7742	4.42	ppb		97
71) p-Ethyltoluene	9.479	105	200457	6.07	ppb	#	97
72) Isopropylbenzene	8.906	105	173933	5.20	ppb	#	93
74) 1,1,2,2-Tetrachloroethane	9.321	83	31036	5.20	ppb	#	100
75) Bromobenzene	9.262	77	67106	5.75	ppb	#	71
76) trans-1,4-Dichloro-2-b...	9.357	75	36770	5.21	ppb	#	47
77) 1,2,3-Trichloropropane	9.357	110	10125	5.59	ppb		92
78) n-Propylbenzene	9.354	91	222757	5.33	ppb		95
79) 2-Chlorotoluene	9.460	91	150675	5.59	ppb		97
80) 4-Chlorotoluene	9.585	91	139547	5.08	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	144515	5.11	ppb		91
82) tert-Butylbenzene	9.908	119	125373	5.08	ppb	#	82
83) 1,2,4-Trimethylbenzene	9.963	105	149560	5.28	ppb		84
84) sec-Butylbenzene	10.141	105	186906	5.14	ppb		93
85) hexachloroethane	11.054	117	12071	4.34	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	66102	4.42	ppb	#	84
87) p-Isopropyltoluene	10.308	119	159943	4.94	ppb	#	91
88) 1,4-Dichlorobenzene	10.397	146	69168	4.72	ppb	#	87
89) 1,2,3-Trimethylbenzene	10.433	105	132964m	5.20	ppb		
90) nitrobenzene	11.986	77	554m	16.80	ppb		
91) p-Diethylbenzene	10.740	105	100293	5.80	ppb		86
92) 1,2-Dichlorobenzene	10.809	146	65375	4.76	ppb	#	87
93) n-Butylbenzene	10.770	91	198955m	5.51	ppb		
94) 1,2-Dibromo-3-chloropr...	11.722	75	5432m	5.43	ppb		
95) 1,2,4,5-Tetramethylben...	11.621	119	169114	5.90	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	42493	4.56	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	24091	4.66	ppb	#	74
98) Naphthalene	12.899	128	116319	5.15	ppb		99
99) 1,2,3-Trichlorobenzene	13.177	180	36994	4.57	ppb		81

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413157.D
Acq On : 4 Aug 2020 5:07 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV4080420A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 04 19:44:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	556556	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1908347	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	860958	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	830031	63.73	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 127.46%#				
54) Toluene-d8 (SURR)	6.369	98	2603850	52.88	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 105.76%				
73) p-Bromofluorobenzene (...	9.103	95	1073017	60.18	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 120.36%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	67875	18.09	ppb		99
3) Chloromethane	1.291	50	119452m	13.29	ppb		
4) Vinyl Chloride	1.335	62	107046	12.86	ppb		100
5) Bromomethane	1.580	94	46392	19.70	ppb		97
6) Allyl Chloride	2.615	76	42603	9.31	ppb	#	100
7) Chloroethane	1.655	64	57810	16.89	ppb		99
8) Trichlorofluoromethane	1.842	101	183574	16.75	ppb		97
9) Ethanol	2.092	45	33025m	557.53	ppb		
10) Freon-113	2.262	101	70428	9.77	ppb	#	91
11) 1,1-Dichloroethylene	2.284	61	146825	12.78	ppb		84
12) Acrolein	2.251	56	9679	17.37	ppb		82
13) Acetone	2.393	43	34609	13.20	ppb	#	42
14) Iodomethane	2.434	142	62642	6.24	ppb	#	20
15) Methyl Acetate	2.657	43	52230	9.76	ppb		94
16) Carbon disulfide	2.471	76	224107	9.46	ppb		100
17) tert-Butyl Alcohol (TBA)	2.899	59	5791m	9.34	ppb		
18) Methylene Chloride	2.743	49	118827	12.14	ppb		86
19) Acrylonitrile	2.999	53	19714	9.74	ppb	#	63
20) trans-1,2-Dichloroethy...	2.952	61	128761	11.49	ppb		90
21) tert-Butyl Methyl Ethe...	2.944	73	213277	11.75	ppb	#	86
22) 1,1-Dichloroethane	3.339	63	167418	11.42	ppb	#	100
23) Vinyl Acetate	3.389	43	102465m	10.68	ppb		
24) Diisopropyl ether (DIPE)	3.355	45	302762	11.31	ppb	#	88
25) Ethyl-tert-Butyl ether...	3.672	59	259529	11.30	ppb	#	79
26) cis-1,2-Dichloroethylene	3.859	61	152888	12.30	ppb		88
27) 2-Butanone	3.909	72	5991m	9.83	ppb		
28) 2,2-Dichloropropane	3.828	77	144415	12.00	ppb	#	77
29) Tetrahydrofuran	4.129	42	22580	11.29	ppb	#	73
30) Bromochloromethane	4.087	49	76455	12.27	ppb	#	82
31) Chloroform	4.157	83	159078	12.29	ppb		100
32) 1,1,1-Trichloroethane	4.273	97	144204	12.79	ppb	#	85
33) Cyclohexane	4.282	56	133857	8.83	ppb		88
34) 1,1-Dichloropropylene	4.424	75	128331	11.27	ppb	#	73
36) Carbon Tetrachloride	4.410	117	100192	11.95	ppb		100
37) tert-Amyl alcohol (TAA)	4.696	59	51384m	96.37	ppb		
38) 1,2-Dichloroethane	4.677	62	122997	14.70	ppb		98
39) Benzene	4.616	78	328263	10.20	ppb	#	15
40) tert-Amyl methyl ether...	4.694	73	228851	10.33	ppb	#	90
42) Trichloroethylene	5.211	95	84093	11.81	ppb		83
43) Methyl Cyclohexane	5.333	83	128254	9.42	ppb	#	73
44) Methyl Methacrylate	5.553	69	43633	11.76	ppb	#	87
45) Dibromomethane	5.578	93	44957	13.15	ppb		91
46) Bromodichloromethane	5.729	83	102780	14.07	ppb		97
47) 1,2-Dichloropropane	5.448	63	86453	12.49	ppb	#	97
48) 1,4-Dioxane	5.612	88	13622m	261.31	ppb		
49) 2-Chloroethyl vinyl ether	6.010	63	30859	10.57	ppb	#	92
50) 2-nitropropane	5.979	43	5411m	37.19	ppb		
51) cis-1,3-Dichloropropene	6.146	75	126875	12.09	ppb		88

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

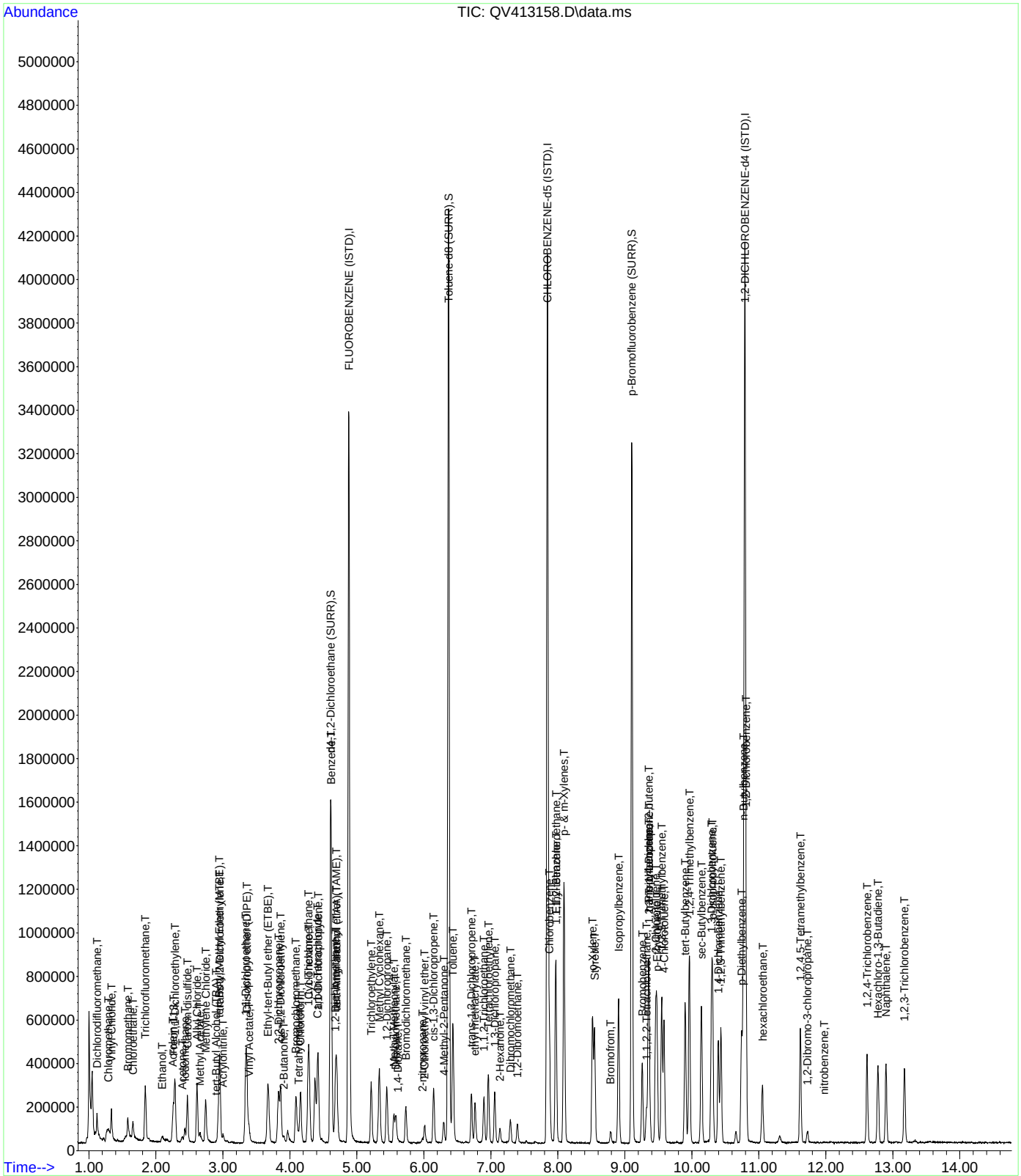
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.761	69	81661	11.58	ppb	#	100
53) 4-Methyl-2-Pentanone	6.299	43	67515	12.81	ppb	#	81
55) Toluene	6.432	91	364377	11.03	ppb		98
56) trans-1,3-Dichloropropene	6.708	75	110312	12.34	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	58061	11.72	ppb		89
58) 1,3-Dichloropropane	7.059	76	115705	12.64	ppb	#	89
59) Tetrachloroethylene	6.964	166	75651	10.37	ppb	#	78
60) 2-Hexanone	7.136	43	45307	12.00	ppb		91
61) Dibromochloromethane	7.292	129	52399	11.65	ppb		95
62) 1,2-Dibromoethane	7.392	107	60230	11.91	ppb		96
63) Chlorobenzene	7.871	112	217491	11.31	ppb	#	74
64) 1,1,1,2-tetrachloroethane	7.974	131	60187	11.15	ppb	#	33
65) Ethyl Benzene	7.971	91	424643	12.17	ppb		94
66) p- & m-Xylenes	8.091	91	682676	25.55	ppb		90
67) o-Xylene	8.516	91	338278	12.23	ppb		96
68) Styrene	8.547	104	231956	11.08	ppb	#	100
69) Bromofrom	8.783	173	22621	12.58	ppb		98
71) p-Ethyltoluene	9.482	105	326779	9.97	ppb	#	97
72) Isopropylbenzene	8.906	105	423491	12.75	ppb	#	91
74) 1,1,2,2-Tetrachloroethane	9.323	83	72307	12.22	ppb	#	100
75) Bromobenzene	9.259	77	157464	13.61	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.354	75	88717	12.66	ppb	#	40
77) 1,2,3-Trichloropropane	9.359	110	24470	13.62	ppb		88
78) n-Propylbenzene	9.357	91	546109	13.17	ppb		94
79) 2-Chlorotoluene	9.460	91	346464	12.95	ppb		97
80) 4-Chlorotoluene	9.585	91	366788	13.46	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	359156m	12.81	ppb		
82) tert-Butylbenzene	9.899	119	301573	12.33	ppb		81
83) 1,2,4-Trimethylbenzene	9.966	105	356895	12.71	ppb		86
84) sec-Butylbenzene	10.144	105	456903	12.66	ppb		93
85) hexachloroethane	11.057	117	35692	12.46	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	159047	10.73	ppb	#	86
87) p-Isopropyltoluene	10.308	119	387646	12.07	ppb	#	92
88) 1,4-Dichlorobenzene	10.394	146	162200	11.15	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.431	105	305623	12.05	ppb	#	92
90) nitrobenzene	11.975	77	1037m	30.31	ppb		
91) p-Diethylbenzene	10.742	105	179936	10.48	ppb	#	21
92) 1,2-Dichlorobenzene	10.809	146	156937	11.53	ppb	#	93
93) n-Butylbenzene	10.770	91	473692m	13.23	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	14694	14.82	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.621	119	284531	10.00	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	101223	10.94	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.776	225	59665	11.62	ppb	#	73
98) Naphthalene	12.898	128	255992	11.42	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	90848	11.31	ppb		77

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413158.D
Acq On : 4 Aug 2020 5:33 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV4080420A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 04 19:51:02 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	523019	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1843426	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	848827	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	813176	66.43	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 132.86%#				
54) Toluene-d8 (SURR)	6.369	98	2494726	52.44	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 104.88%				
73) p-Bromofluorobenzene (...	9.106	95	1034699	58.86	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 117.72%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	59355m	16.92	ppb		
3) Chloromethane	1.283	50	158310	18.74	ppb	#	54
4) Vinyl Chloride	1.338	62	163485	20.90	ppb		99
5) Bromomethane	1.580	94	66804	30.19	ppb		99
6) Allyl Chloride	2.615	76	85328	19.85	ppb	#	100
7) Chloroethane	1.653	64	101414	31.54	ppb		99
8) Trichlorofluoromethane	1.842	101	330792	32.12	ppb		97
9) Ethanol	2.101	45	83826m	1505.89	ppb		
10) Freon-113	2.265	101	186271	27.48	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	290277	26.88	ppb		91
12) Acrolein	2.248	56	19941	38.08	ppb		93
13) Acetone	2.390	43	62545	25.38	ppb	#	21
14) Iodomethane	2.432	142	139593	14.79	ppb	#	20
15) Methyl Acetate	2.651	43	119800	23.83	ppb		95
16) Carbon disulfide	2.468	76	428019	19.22	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	14300	24.53	ppb	#	1
18) Methylene Chloride	2.743	49	229974	25.00	ppb		87
19) Acrylonitrile	2.999	53	41305	21.71	ppb	#	64
20) trans-1,2-Dichloroethy...	2.952	61	257948	24.49	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	421055	24.68	ppb		99
22) 1,1-Dichloroethane	3.339	63	333893	24.24	ppb	#	96
23) Vinyl Acetate	3.383	43	219314	24.32	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	533707	21.22	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.675	59	464141	21.51	ppb	#	96
26) cis-1,2-Dichloroethylene	3.859	61	304583	26.07	ppb		89
27) 2-Butanone	3.903	72	11317m	19.76	ppb		
28) 2,2-Dichloropropane	3.834	77	299398	26.47	ppb	#	85
29) Tetrahydrofuran	4.126	42	46900m	24.95	ppb		
30) Bromochloromethane	4.084	49	152309	26.01	ppb		81
31) Chloroform	4.157	83	315699	25.95	ppb		99
32) 1,1,1-Trichloroethane	4.271	97	299203	28.24	ppb		99
33) Cyclohexane	4.287	56	320505	22.51	ppb		87
34) 1,1-Dichloropropylene	4.421	75	261117	24.40	ppb		77
36) Carbon Tetrachloride	4.413	117	215745	27.39	ppb		99
37) tert-Amyl alcohol (TAA)	4.694	59	98067	195.73	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	248690	31.64	ppb		99
39) Benzene	4.619	78	664405	21.97	ppb	#	61
40) tert-Amyl methyl ether...	4.696	73	414434	19.91	ppb		97
42) Trichloroethylene	5.214	95	175170	25.46	ppb		81
43) Methyl Cyclohexane	5.334	83	309465	23.52	ppb	#	73
44) Methyl Methacrylate	5.553	69	87712	24.47	ppb	#	81
45) Dibromomethane	5.581	93	89523	27.11	ppb		90
46) Bromodichloromethane	5.729	83	210421	29.81	ppb		99
47) 1,2-Dichloropropane	5.448	63	173721	25.99	ppb	#	81
48) 1,4-Dioxane	5.603	88	21803	432.98	ppb		87
49) 2-Chloroethyl vinyl ether	6.007	63	79967	28.36	ppb		97
50) 2-nitropropane	5.973	43	6652	44.17	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	266121	26.24	ppb		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

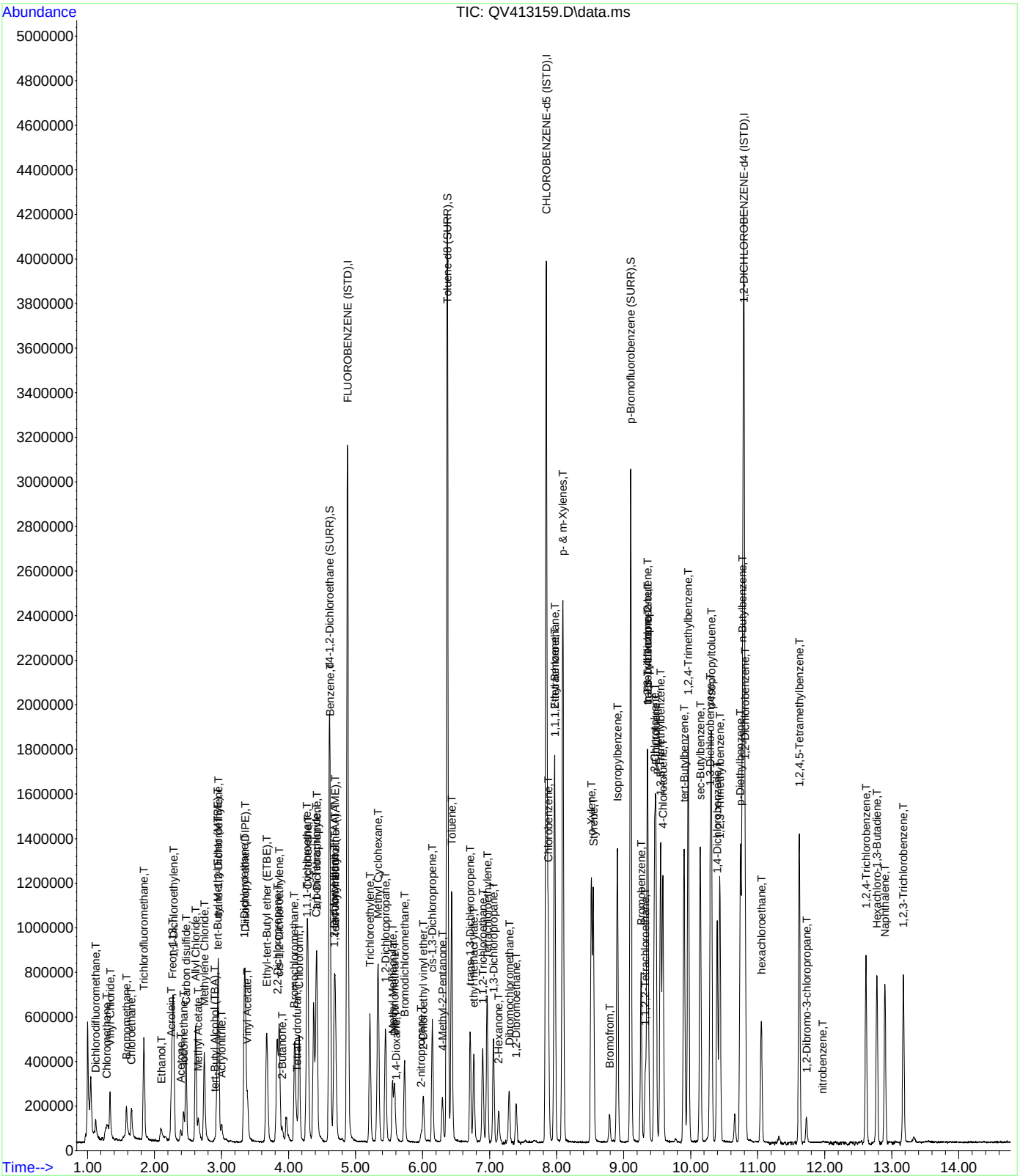
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.764	69	176787	25.94	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	146835	28.85	ppb	#	85
55) Toluene	6.435	91	711883	22.32	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	237503	27.51	ppb		97
57) 1,1,2-Trichloroethane	6.900	97	118530	24.76	ppb		91
58) 1,3-Dichloropropane	7.059	76	235091	26.60	ppb	#	88
59) Tetrachloroethylene	6.967	166	151208	21.45	ppb		92
60) 2-Hexanone	7.134	43	100131	27.47	ppb	#	87
61) Dibromochloromethane	7.295	129	115213	26.51	ppb		97
62) 1,2-Dibromoethane	7.392	107	124717	25.54	ppb		98
63) Chlorobenzene	7.874	112	432016	23.26	ppb	#	85
64) 1,1,1,2-tetrachloroethane	7.974	131	127653	24.48	ppb	#	53
65) Ethyl Benzene	7.968	91	862128	25.58	ppb		93
66) p- & m-Xylenes	8.091	91	1396634	54.11	ppb		90
67) o-Xylene	8.516	91	688651	25.78	ppb		96
68) Styrene	8.547	104	477177	23.59	ppb	#	100
69) Bromofrom	8.792	173	50459	27.11	ppb		99
71) p-Ethyltoluene	9.482	105	834951	25.83	ppb	#	97
72) Isopropylbenzene	8.906	105	866759	26.47	ppb		92
74) 1,1,2,2-Tetrachloroethane	9.320	83	150568	25.80	ppb	#	100
75) Bromobenzene	9.259	77	323901	28.39	ppb	#	72
76) trans-1,4-Dichloro-2-b...	9.357	75	187213	27.11	ppb	#	43
77) 1,2,3-Trichloropropane	9.357	110	49275	27.82	ppb		89
78) n-Propylbenzene	9.354	91	1125518	27.53	ppb		94
79) 2-Chlorotoluene	9.462	91	738025	27.99	ppb		97
80) 4-Chlorotoluene	9.585	91	756597	28.17	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	738072m	26.70	ppb		
82) tert-Butylbenzene	9.902	119	616442	25.56	ppb		82
83) 1,2,4-Trimethylbenzene	9.960	105	746345	26.96	ppb		87
84) sec-Butylbenzene	10.141	105	943153	26.51	ppb		93
85) hexachloroethane	11.054	117	85757	28.27	ppb	#	100
86) 1,3-Dichlorobenzene	10.291	146	330580	22.63	ppb	#	87
87) p-Isopropyltoluene	10.308	119	822343	25.97	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	327667	22.86	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	690302m	27.60	ppb		
90) nitrobenzene	11.966	77	1970m	54.22	ppb		
91) p-Diethylbenzene	10.739	105	440860	26.05	ppb	#	20
92) 1,2-Dichlorobenzene	10.812	146	308241m	22.96	ppb		
93) n-Butylbenzene	10.770	91	997651m	28.26	ppb		
94) 1,2-Dibromo-3-chloropr...	11.730	75	31670m	32.40	ppb		
95) 1,2,4,5-Tetramethylben...	11.621	119	720183	25.67	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	211691	23.20	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.776	225	122226	24.15	ppb	#	77
98) Naphthalene	12.896	128	514109	23.26	ppb		100
99) 1,2,3-Trichlorobenzene	13.174	180	182443	23.03	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413159.D
Acq On : 4 Aug 2020 5:59 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV4080420A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 04 19:49:08 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	533670	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1885854	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	892068	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	831876	66.61	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 133.22%#				
54) Toluene-d8 (SURR)	6.368	98	2524032	51.87	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.74%				
73) p-Bromofluorobenzene (...	9.103	95	1062200	57.50	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 115.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	210616m	51.41	ppb		
3) Chloromethane	1.288	50	460607	53.45	ppb	#	72
4) Vinyl Chloride	1.335	62	447514	56.07	ppb		99
5) Bromomethane	1.580	94	190736	84.47	ppb		93
6) Allyl Chloride	2.612	76	202842	46.24	ppb	#	100
7) Chloroethane	1.655	64	273161	83.25	ppb		99
8) Trichlorofluoromethane	1.842	101	825505	78.55	ppb		97
9) Ethanol	2.095	45	184843	3254.33	ppb		82
10) Freon-113	2.265	101	432539	62.55	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	655523	59.48	ppb		90
12) Acrolein	2.251	56	42433	79.41	ppb		96
13) Acetone	2.390	43	136784	54.39	ppb	#	21
14) Iodomethane	2.434	142	364335	37.84	ppb	#	20
15) Methyl Acetate	2.654	43	267164	52.09	ppb		95
16) Carbon disulfide	2.470	76	993099	43.71	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	34398	57.83	ppb	#	1
18) Methylene Chloride	2.740	49	538126	57.33	ppb		86
19) Acrylonitrile	2.996	53	93885	48.36	ppb	#	88
20) trans-1,2-Dichloroethy...	2.952	61	579976	53.96	ppb		91
21) tert-Butyl Methyl Ethe...	2.943	73	1013021	58.19	ppb		99
22) 1,1-Dichloroethane	3.339	63	780541	55.54	ppb	#	99
23) Vinyl Acetate	3.389	43	548808	59.64	ppb		100
24) Diisopropyl ether (DIPE)	3.352	45	1558655	60.72	ppb		96
25) Ethyl-tert-Butyl ether...	3.672	59	1363843	61.93	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	705532	59.19	ppb		89
27) 2-Butanone	3.901	72	27093	46.37	ppb	#	1
28) 2,2-Dichloropropane	3.828	77	709739	61.50	ppb		96
29) Tetrahydrofuran	4.123	42	109043	56.86	ppb		76
30) Bromochloromethane	4.087	49	357904	59.90	ppb	#	67
31) Chloroform	4.159	83	757648	61.02	ppb	#	72
32) 1,1,1-Trichloroethane	4.273	97	702005	64.93	ppb	#	85
33) Cyclohexane	4.287	56	771681	53.11	ppb		87
34) 1,1-Dichloropropylene	4.421	75	595667	54.55	ppb		82
36) Carbon Tetrachloride	4.410	117	530949	66.06	ppb	#	92
37) tert-Amyl alcohol (TAA)	4.685	59	299529	585.88	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	595097	74.19	ppb		99
39) Benzene	4.618	78	1521438	49.30	ppb	#	84
40) tert-Amyl methyl ether...	4.696	73	1241464	58.46	ppb	#	92
42) Trichloroethylene	5.211	95	417880	59.38	ppb		79
43) Methyl Cyclohexane	5.336	83	757680	56.29	ppb	#	73
44) Methyl Methacrylate	5.550	69	217481	59.30	ppb	#	96
45) Dibromomethane	5.581	93	213673	63.25	ppb	#	65
46) Bromodichloromethane	5.731	83	530615	73.49	ppb		98
47) 1,2-Dichloropropane	5.445	63	400690	58.60	ppb	#	81
48) 1,4-Dioxane	5.601	88	57297	1112.24	ppb		88
49) 2-Chloroethyl vinyl ether	6.010	63	198790	68.91	ppb		97
50) 2-nitropropane	5.982	43	24037m	101.07	ppb		
51) cis-1,3-Dichloropropene	6.146	75	650556	62.71	ppb		87

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

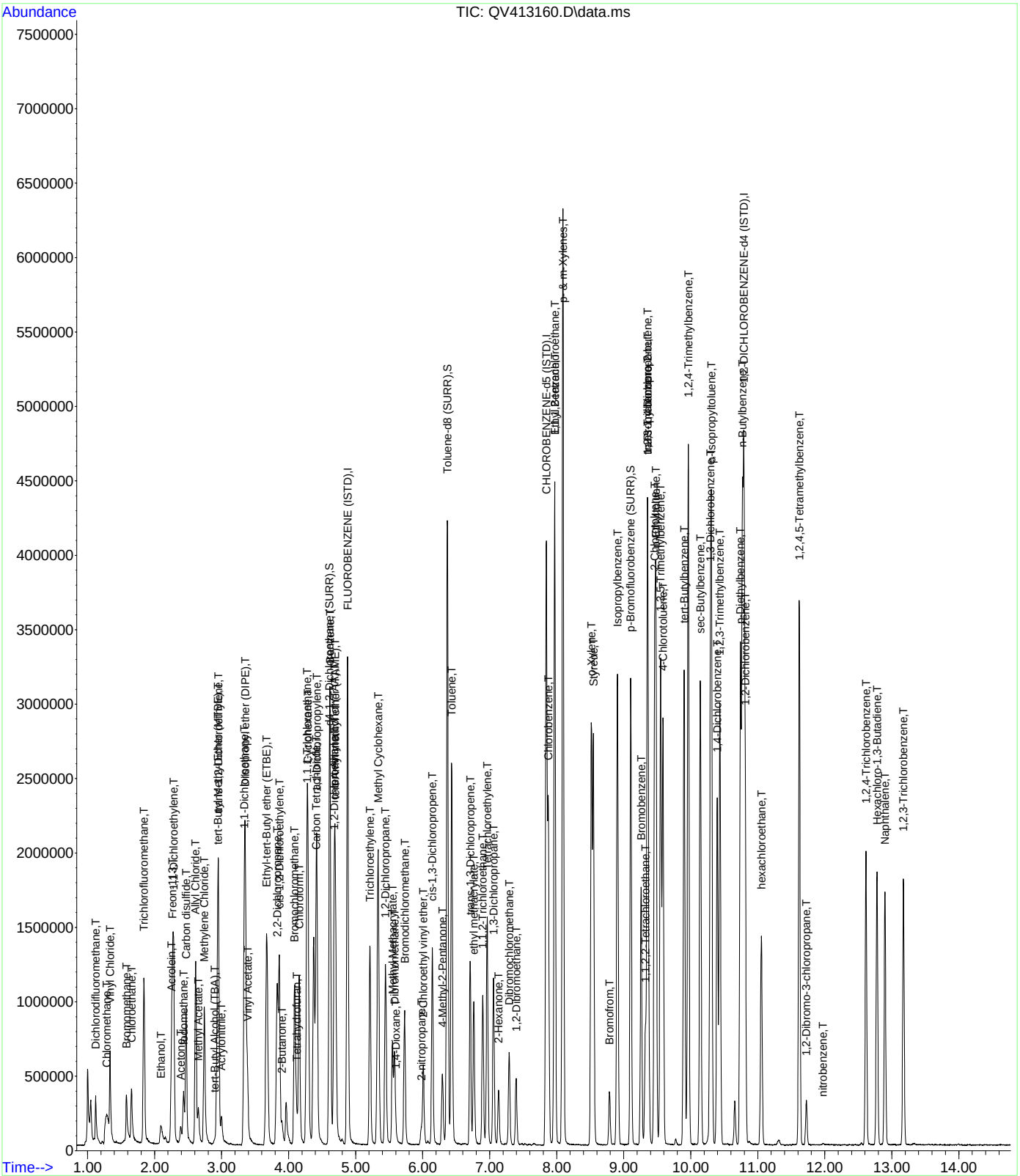
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.763	69	430456	61.75	ppb	#	100
53) 4-Methyl-2-Pentanone	6.296	43	342314	65.74	ppb	#	85
55) Toluene	6.432	91	1653399	50.67	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	593533	67.21	ppb		97
57) 1,1,2-Trichloroethane	6.894	97	276921	56.55	ppb		91
58) 1,3-Dichloropropane	7.058	76	555817	61.47	ppb	#	88
59) Tetrachloroethylene	6.964	166	352252	48.85	ppb	#	72
60) 2-Hexanone	7.134	43	250440	67.15	ppb		92
61) Dibromochloromethane	7.292	129	305701	68.76	ppb		97
62) 1,2-Dibromoethane	7.395	107	293446	58.74	ppb		99
63) Chlorobenzene	7.876	112	1022843	53.84	ppb	#	82
64) 1,1,1,2-tetrachloroethane	7.971	131	336233	63.03	ppb	#	53
65) Ethyl Benzene	7.971	91	2070860	60.06	ppb		94
66) p- & m-Xylenes	8.093	91	3424188	129.67	ppb		90
67) o-Xylene	8.516	91	1664719	60.92	ppb		96
68) Styrene	8.547	104	1155617	55.85	ppb	#	100
69) Bromofrom	8.786	173	145563	65.13	ppb	#	80
71) p-Ethyltoluene	9.482	105	2124898	62.55	ppb	#	97
72) Isopropylbenzene	8.906	105	2083328	60.54	ppb		92
74) 1,1,2,2-Tetrachloroethane	9.323	83	365197	59.55	ppb	#	100
75) Bromobenzene	9.259	77	762891	63.63	ppb	#	73
76) trans-1,4-Dichloro-2-b...	9.354	75	466065	64.21	ppb	#	53
77) 1,2,3-Trichloropropane	9.354	110	125625	67.49	ppb		92
78) n-Propylbenzene	9.357	91	2719605	63.29	ppb		94
79) 2-Chlorotoluene	9.462	91	1790094	64.60	ppb		97
80) 4-Chlorotoluene	9.585	91	1791809	63.48	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	1795707m	61.81	ppb		
82) tert-Butylbenzene	9.902	119	1499059	59.14	ppb		82
83) 1,2,4-Trimethylbenzene	9.963	105	1838657	63.21	ppb		87
84) sec-Butylbenzene	10.144	105	2247175	60.11	ppb		92
85) hexachloroethane	11.054	117	249619	67.02	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	818446	53.30	ppb	#	87
87) p-Isopropyltoluene	10.308	119	2019188	60.67	ppb		91
88) 1,4-Dichlorobenzene	10.397	146	782836	51.96	ppb	#	87
89) 1,2,3-Trimethylbenzene	10.433	105	1707250	64.95	ppb		92
90) nitrobenzene	11.969	77	4185m	97.10	ppb		
91) p-Diethylbenzene	10.739	105	1113644	62.62	ppb	#	22
92) 1,2-Dichlorobenzene	10.814	146	753776m	53.43	ppb		
93) n-Butylbenzene	10.770	91	2427342m	65.43	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	80851	78.70	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1916784	65.01	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	495489	51.68	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.781	225	297119	55.87	ppb	#	78
98) Naphthalene	12.898	128	1206299	51.93	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	435182	52.28	ppb		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413160.D
Acq On : 4 Aug 2020 6:26 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV4080420A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 04 19:43:25 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	540529	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	1935829	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1011578	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	867822	68.60	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 137.20%#				
54) Toluene-d8 (SURR)	6.368	98	2578562	51.62	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.24%				
73) p-Bromofluorobenzene (...	9.106	95	1107214	52.85	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 105.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	719699	133.40	ppb		100
3) Chloromethane	1.288	50	1196477	137.07	ppb	#	96
4) Vinyl Chloride	1.338	62	1146803	141.86	ppb		100
5) Bromomethane	1.583	94	463694	202.76	ppb		98
6) Allyl Chloride	2.612	76	463988	104.44	ppb	#	100
7) Chloroethane	1.658	64	632399	190.29	ppb		100
8) Trichlorofluoromethane	1.842	101	1923381	180.70	ppb		97
9) Ethanol	2.095	45	426413	7412.12	ppb		82
10) Freon-113	2.262	101	921625	131.58	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	1485424	133.08	ppb		92
12) Acrolein	2.251	56	40754	75.30	ppb		91
13) Acetone	2.393	43	282221	110.79	ppb	#	41
14) Iodomethane	2.434	142	871874	89.40	ppb	#	20
15) Methyl Acetate	2.654	43	533486	102.69	ppb		95
16) Carbon disulfide	2.470	76	2451328	106.53	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	65617	108.91	ppb	#	1
18) Methylene Chloride	2.743	49	1167724	122.83	ppb		86
19) Acrylonitrile	2.999	53	209022	106.31	ppb	#	90
20) trans-1,2-Dichloroethy...	2.952	61	1330586	122.23	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	2217906	125.79	ppb	#	92
22) 1,1-Dichloroethane	3.341	63	1736485	122.00	ppb	#	99
23) Vinyl Acetate	3.383	43	1222086	131.12	ppb		100
24) Diisopropyl ether (DIPE)	3.352	45	3208212	123.40	ppb		96
25) Ethyl-tert-Butyl ether...	3.672	59	2783527	124.80	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	1558869	129.12	ppb		89
27) 2-Butanone	3.903	72	57600	97.34	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	1602799	137.11	ppb		97
29) Tetrahydrofuran	4.120	42	235142	121.06	ppb		76
30) Bromochloromethane	4.084	49	778459	128.64	ppb		82
31) Chloroform	4.159	83	1645732	130.87	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	1626837	148.55	ppb	#	85
33) Cyclohexane	4.287	56	1657381	112.62	ppb		88
34) 1,1-Dichloropropylene	4.421	75	1388049	125.51	ppb		87
36) Carbon Tetrachloride	4.412	117	1310335	160.97	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	626132	1209.18	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	1312906	161.61	ppb		99
39) Benzene	4.621	78	3373546	107.93	ppb	#	94
40) tert-Amyl methyl ether...	4.694	73	2591957	120.52	ppb	#	90
42) Trichloroethylene	5.214	95	928200	128.49	ppb		80
43) Methyl Cyclohexane	5.336	83	1598981	115.73	ppb	#	73
44) Methyl Methacrylate	5.548	69	454857	120.83	ppb	#	81
45) Dibromomethane	5.578	93	459120	132.39	ppb		91
46) Bromodichloromethane	5.731	83	1187458	160.22	ppb		98
47) 1,2-Dichloropropane	5.447	63	863787	123.07	ppb	#	96
48) 1,4-Dioxane	5.595	88	109027	2061.78	ppb		83
49) 2-Chloroethyl vinyl ether	6.007	63	351044	118.54	ppb		97
50) 2-nitropropane	5.979	43	71336	189.12	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	1443654	135.56	ppb		88

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

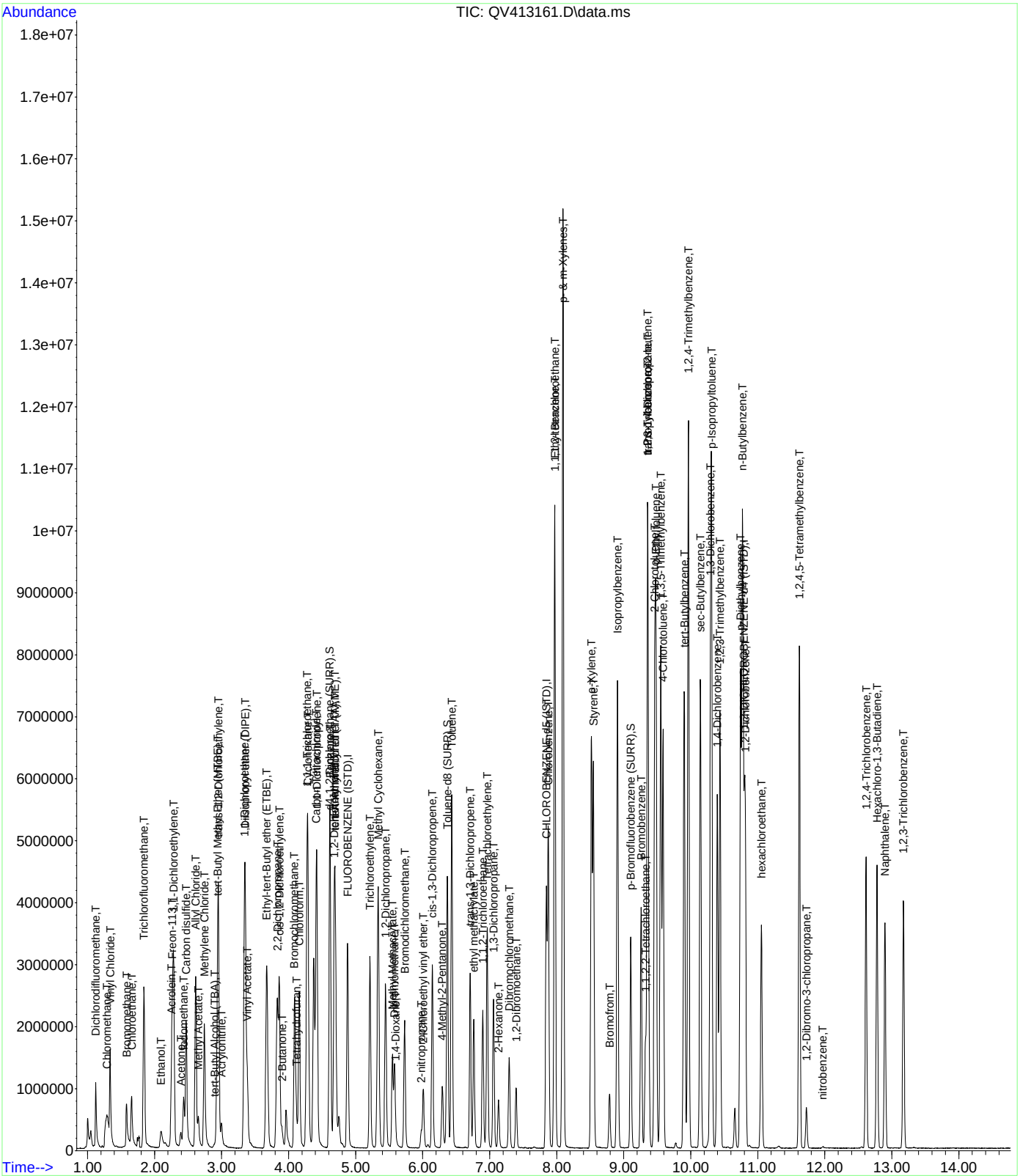
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.763	69	911549	127.38	ppb	#	100
53) 4-Methyl-2-Pentanone	6.290	43	712389	133.28	ppb		91
55) Toluene	6.435	91	3672032	109.62	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	1347261	148.61	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	600384	119.43	ppb		92
58) 1,3-Dichloropropane	7.058	76	1190002	128.20	ppb	#	89
59) Tetrachloroethylene	6.964	166	817460	110.43	ppb	#	78
60) 2-Hexanone	7.134	43	518962	135.55	ppb		91
61) Dibromochloromethane	7.292	129	706039	154.71	ppb		96
62) 1,2-Dibromoethane	7.398	107	621677	121.23	ppb		100
63) Chlorobenzene	7.876	112	2311932	118.56	ppb		86
64) 1,1,1,2-tetrachloroethane	7.974	131	834219	152.34	ppb	#	52
65) Ethyl Benzene	7.971	91	4882429	137.96	ppb		93
66) p- & m-Xylenes	8.093	91	8233649	303.76	ppb		90
67) o-Xylene	8.516	91	3830547	136.56	ppb		96
68) Styrene	8.550	104	2637938	124.19	ppb	#	100
69) Bromofrom	8.792	173	356969	125.84	ppb	#	81
71) p-Ethyltoluene	9.482	105	4875659	126.58	ppb	#	97
72) Isopropylbenzene	8.909	105	4865131	124.68	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.326	83	811192	116.66	ppb	#	100
75) Bromobenzene	9.259	77	1736694	127.74	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.357	75	1091077	132.56	ppb	#	50
77) 1,2,3-Trichloropropane	9.357	110	283228	134.19	ppb		87
78) n-Propylbenzene	9.357	91	6459840	132.56	ppb		94
79) 2-Chlorotoluene	9.462	91	4193191	133.44	ppb		97
80) 4-Chlorotoluene	9.587	91	4253529	132.89	ppb		81
81) 1,3,5-Trimethylbenzene	9.554	105	4293506m	130.33	ppb		
82) tert-Butylbenzene	9.905	119	3560949	123.89	ppb		83
83) 1,2,4-Trimethylbenzene	9.966	105	4551305	137.97	ppb		87
84) sec-Butylbenzene	10.144	105	5310146	125.26	ppb		93
85) hexachloroethane	11.054	117	683456	130.80	ppb	#	100
86) 1,3-Dichlorobenzene	10.294	146	2052643	117.88	ppb	#	89
87) p-Isopropyltoluene	10.311	119	5104587	135.25	ppb		93
88) 1,4-Dichlorobenzene	10.397	146	1897785	111.08	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	3964306	132.99	ppb		92
90) nitrobenzene	11.966	77	8038m	145.66	ppb		
91) p-Diethylbenzene	10.742	105	2583340	128.10	ppb	#	21
92) 1,2-Dichlorobenzene	10.814	146	1772356	110.80	ppb	#	88
93) n-Butylbenzene	10.770	91	5749669m	136.67	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	183934	157.90	ppb	#	72
95) 1,2,4,5-Tetramethylben...	11.621	119	4364625	130.55	ppb		89
96) 1,2,4-Trichlorobenzene	12.617	180	1162513	106.92	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.781	225	717770	119.02	ppb	#	79
98) Naphthalene	12.898	128	2605002	98.90	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	982270	104.06	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413161.D
Acq On : 4 Aug 2020 6:52 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV4080420A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 04 19:46:39 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.883	70	559479	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2092222	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.795	152	1201745	50.00	ppb		# 0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	929257	70.97	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 141.94%#				
54) Toluene-d8 (SURR)	6.371	98	2697782	49.97	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.94%				
73) p-Bromofluorobenzene (...	9.106	95	1204552	48.40	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 96.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.124	85	1409557	208.40	ppb		100
3) Chloromethane	1.296	50	2315920	256.34	ppb	#	96
4) Vinyl Chloride	1.338	62	2223384	265.71	ppb		100
5) Bromomethane	1.583	94	993266	419.61	ppb		99
6) Allyl Chloride	2.612	76	968549	210.63	ppb	#	100
7) Chloroethane	1.658	64	1217002	353.80	ppb		100
8) Trichlorofluoromethane	1.842	101	3687782	334.73	ppb		98
9) Ethanol	2.098	45	747086	12546.37	ppb		82
10) Freon-113	2.265	101	1831196	252.59	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	2973837	257.41	ppb		93
12) Acrolein	2.251	56	93481	166.87	ppb		94
13) Acetone	2.393	43	482246	182.90	ppb	#	41
14) Iodomethane	2.434	142	1769974	175.35	ppb	#	20
15) Methyl Acetate	2.654	43	1026321	190.86	ppb		96
16) Carbon disulfide	2.473	76	5017326	210.65	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	127077	203.78	ppb	#	1
18) Methylene Chloride	2.740	49	2333668	237.16	ppb		86
19) Acrylonitrile	2.996	53	411295	202.09	ppb		97
20) trans-1,2-Dichloroethy...	2.955	61	2677041	237.58	ppb	#	83
21) tert-Butyl Methyl Ethe...	2.944	73	4637000	254.08	ppb		99
22) 1,1-Dichloroethane	3.339	63	3563637	241.90	ppb	#	99
23) Vinyl Acetate	3.383	43	2280543	236.40	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	6606139	245.49	ppb		96
25) Ethyl-tert-Butyl ether...	3.675	59	5744961	248.84	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	3160175	252.88	ppb		89
27) 2-Butanone	3.901	72	122173	199.47	ppb	#	1
28) 2,2-Dichloropropane	3.834	77	3320537	274.44	ppb		98
29) Tetrahydrofuran	4.115	42	447162	222.41	ppb		75
30) Bromochloromethane	4.087	49	1524297	243.35	ppb		84
31) Chloroform	4.159	83	3395826	260.90	ppb	#	93
32) 1,1,1-Trichloroethane	4.276	97	3475657	306.63	ppb	#	85
33) Cyclohexane	4.287	56	3342942	219.47	ppb		90
34) 1,1-Dichloropropylene	4.424	75	2842933	248.36	ppb		92
36) Carbon Tetrachloride	4.413	117	2886492	342.59	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	1295779	2417.63	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	2723218	323.85	ppb	#	98
39) Benzene	4.618	78	6950372	214.82	ppb	#	98
40) tert-Amyl methyl ether...	4.696	73	5450147	244.83	ppb	#	90
42) Trichloroethylene	5.214	95	1908706	244.47	ppb		81
43) Methyl Cyclohexane	5.336	83	3268729	218.89	ppb	#	75
44) Methyl Methacrylate	5.551	69	931580	228.97	ppb	#	97
45) Dibromomethane	5.581	93	950593	253.62	ppb		92
46) Bromodichloromethane	5.731	83	2503048	312.49	ppb		98
47) 1,2-Dichloropropane	5.448	63	1758828	231.86	ppb	#	81
48) 1,4-Dioxane	5.595	88	232062	4060.42	ppb		86
49) 2-Chloroethyl vinyl ether	6.012	63	541300	169.13	ppb		97
50) 2-nitropropane	5.979	43	168531	292.40	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	3003718	260.97	ppb		89

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4

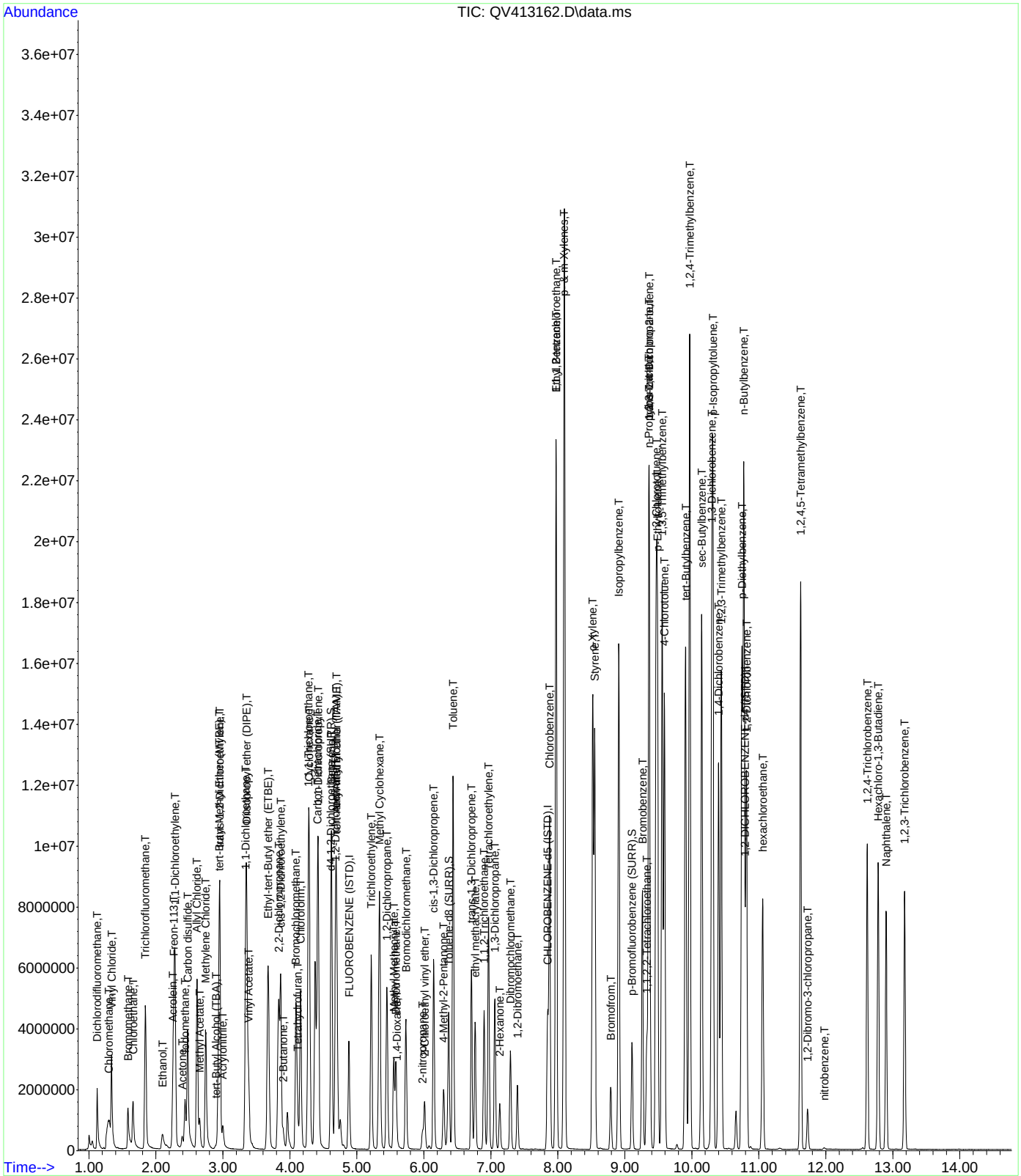
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.766	69	1869079	241.66	ppb	#	100
53) 4-Methyl-2-Pentanone	6.293	43	1391966	240.95	ppb		90
55) Toluene	6.435	91	7786718	215.07	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	2834323	289.28	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	1239905	228.22	ppb		93
58) 1,3-Dichloropropane	7.059	76	2457607	244.98	ppb	#	90
59) Tetrachloroethylene	6.964	166	1767067	220.87	ppb		93
60) 2-Hexanone	7.134	43	998061	241.21	ppb		92
61) Dibromochloromethane	7.292	129	1562265	316.74	ppb		97
62) 1,2-Dibromoethane	7.395	107	1310710	236.49	ppb		98
63) Chlorobenzene	7.876	112	5009764	237.70	ppb		89
64) 1,1,1,2-tetrachloroethane	7.974	131	1963863	331.82	ppb	#	52
65) Ethyl Benzene	7.974	91	10859690	283.91	ppb		94
66) p- & m-Xylenes	8.091	91	15804035m	539.47	ppb		
67) o-Xylene	8.519	91	8497097	280.27	ppb		96
68) Styrene	8.550	104	5917033	257.75	ppb	#	100
69) Bromofrom	8.789	173	836494	213.69	ppb	#	81
71) p-Ethyltoluene	9.487	105	11121575	243.04	ppb	#	97
72) Isopropylbenzene	8.909	105	10897936	235.08	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.326	83	1701930	206.02	ppb	#	100
75) Bromobenzene	9.262	77	3739488	231.53	ppb		76
76) trans-1,4-Dichloro-2-b...	9.362	75	2425712	248.08	ppb	#	55
77) 1,2,3-Trichloropropane	9.359	110	653858	260.77	ppb		92
78) n-Propylbenzene	9.357	91	14020707	242.19	ppb		96
79) 2-Chlorotoluene	9.468	91	9531367	255.32	ppb		97
80) 4-Chlorotoluene	9.590	91	9483736	249.40	ppb		81
81) 1,3,5-Trimethylbenzene	9.557	105	9915053m	253.35	ppb		
82) tert-Butylbenzene	9.908	119	8205546	240.30	ppb		85
83) 1,2,4-Trimethylbenzene	9.969	105	10492186	267.74	ppb		89
84) sec-Butylbenzene	10.147	105	11988631	238.04	ppb		94
85) hexachloroethane	11.057	117	1666586	214.52	ppb	#	100
86) 1,3-Dichlorobenzene	10.297	146	4896501	236.70	ppb	#	91
87) p-Isopropyltoluene	10.314	119	11753190	262.13	ppb		94
88) 1,4-Dichlorobenzene	10.400	146	4392215	216.40	ppb	#	91
89) 1,2,3-Trimethylbenzene	10.439	105	8700103	245.67	ppb		92
90) nitrobenzene	11.977	77	17440m	224.42	ppb		
91) p-Diethylbenzene	10.748	105	5703187	238.05	ppb	#	22
92) 1,2-Dichlorobenzene	10.817	146	4067174	214.02	ppb	#	88
93) n-Butylbenzene	10.776	91	12491077m	249.93	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	378060	273.19	ppb	#	71
95) 1,2,4,5-Tetramethylben...	11.624	119	9746929	245.40	ppb		90
96) 1,2,4-Trichlorobenzene	12.620	180	2575083	199.36	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	1609458	224.64	ppb		81
98) Naphthalene	12.901	128	5530926	176.76	ppb		98
99) 1,2,3-Trichlorobenzene	13.177	180	2149533	191.69	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413162.D
Acq On : 4 Aug 2020 7:18 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV4080420A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 04 19:43:42 2020
Quant Method : C:\msdchem\1\methods\VQ4C0026.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Mon Aug 03 09:53:42 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115240.D
Acq On : 5 Aug 2020 5:15 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV1080520A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 10:50:32 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.005	70	618876	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2571862	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.928	152	1259905	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.698	65	1001973	51.34	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 102.68%				
54) Toluene-d8 (SURR)	6.515	98	3158641	51.23	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 102.46%				
73) p-Bromofluorobenzene (...	9.239	95	1335363	53.63	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 107.26%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.187	85	36288	4.12	ppb		100
3) Chloromethane	1.329	50	50314	4.17	ppb		97
4) Vinyl Chloride	1.410	62	44232	4.57	ppb		99
5) Bromomethane	1.660	94	24977	6.71	ppb		97
6) Allyl Chloride	2.717	76	28695	4.68	ppb	#	100
7) Chloroethane	1.744	64	21182	5.35	ppb		99
8) Trichlorofluoromethane	1.955	101	69759	5.59	ppb		96
9) Ethanol	2.164	45	26301m	204.27	ppb		
10) Freon-113	2.406	101	55514	5.60	ppb	#	60
11) 1,1-Dichloroethylene	2.398	61	84590	4.85	ppb		92
12) Acrolein	2.322	56	10745	6.96	ppb		95
13) Acetone	2.462	43	39194	4.64	ppb	#	42
14) Iodomethane	2.528	142	33420	3.72	ppb	#	50
15) Methyl Acetate	2.754	43	61452	4.54	ppb		97
16) Carbon disulfide	2.581	76	145012	4.49	ppb		100
17) tert-Butyl Alcohol (TBA)	2.940	59	17293m	8.17	ppb		
18) Methylene Chloride	2.829	49	74784	4.15	ppb		94
19) Acrylonitrile	3.051	53	29460	4.43	ppb		96
20) trans-1,2-Dichloroethy...	3.065	61	85666	4.93	ppb	#	66
21) tert-Butyl Methyl Ethe...	3.074	73	142949	4.18	ppb	#	92
22) 1,1-Dichloroethane	3.441	63	108142	4.66	ppb	#	96
23) Vinyl Acetate	3.505	43	160925	3.87	ppb		100
24) Diisopropyl ether (DIPE)	3.510	45	208263	4.32	ppb	#	95
25) Ethyl-tert-Butyl ether...	3.833	59	193335	4.47	ppb	#	97
26) cis-1,2-Dichloroethylene	3.956	61	99249	4.79	ppb		92
27) 2-Butanone	3.986	72	7637	3.94	ppb		82
28) 2,2-Dichloropropane	3.958	77	67020	4.21	ppb	#	85
29) Tetrahydrofuran	4.220	42	20926	3.68	ppb		88
30) Bromochloromethane	4.170	49	51910	4.18	ppb		88
31) Chloroform	4.253	83	97731	4.84	ppb		99
32) 1,1,1-Trichloroethane	4.409	97	80057	4.85	ppb	#	73
33) Cyclohexane	4.454	56	127052	5.21	ppb		85
34) 1,1-Dichloropropylene	4.557	75	73617	4.61	ppb		83
36) Carbon Tetrachloride	4.551	117	61009	4.75	ppb		100
37) tert-Amyl alcohol (TAA)	4.771	59	52570	35.19	ppb	#	100
38) 1,2-Dichloroethane	4.771	62	82744	4.52	ppb	#	98
39) Benzene	4.746	78	223109	4.75	ppb	#	97
40) tert-Amyl methyl ether...	4.860	73	153666	4.56	ppb		96
42) Trichloroethylene	5.347	95	57278	4.69	ppb		88
43) Methyl Cyclohexane	5.525	83	116294	5.23	ppb	#	81
44) Methyl Methacrylate	5.683	69	38804	3.86	ppb	#	99
45) Dibromomethane	5.669	93	35708	4.86	ppb	#	69
46) Bromodichloromethane	5.825	83	67641	4.36	ppb		97
47) 1,2-Dichloropropane	5.555	63	60158	4.24	ppb	#	100
48) 1,4-Dioxane	5.694	88	16324m	98.76	ppb		
49) 2-Chloroethyl vinyl ether	6.123	63	33367	4.18	ppb		99
50) 2-nitropropane	6.048	43	10699	3.98	ppb	#	100
51) cis-1,3-Dichloropropene	6.257	75	78987	4.03	ppb		98

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115240.D
Acq On : 5 Aug 2020 5:15 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV1080520A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 10:50:32 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

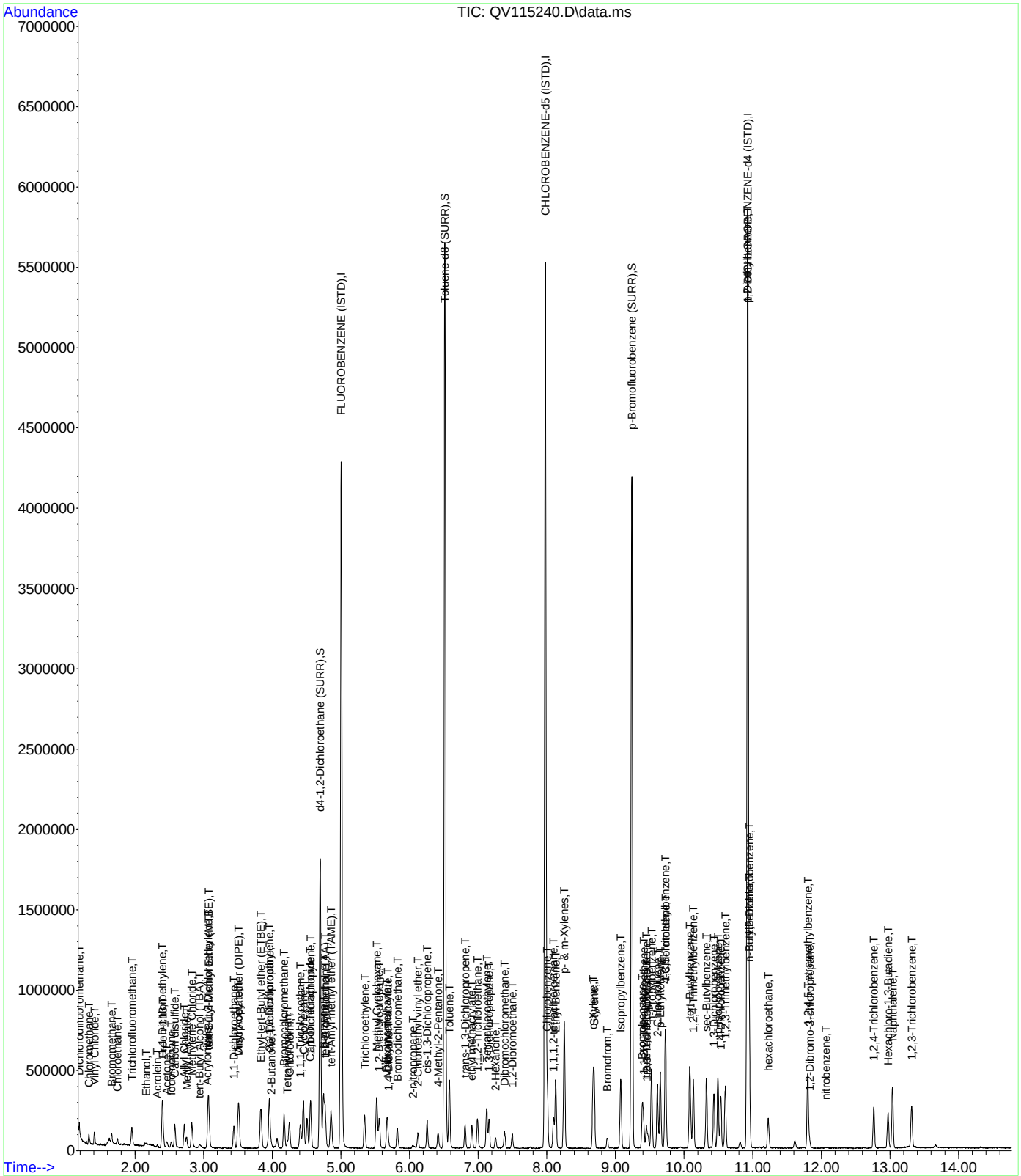
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
52) ethyl methacrylate	6.905	69	65870	3.71 ppb	#	100
53) 4-Methyl-2-Pentanone	6.418	43	58901	3.18 ppb	#	88
55) Toluene	6.579	91	250594	4.54 ppb		99
56) trans-1,3-Dichloropropene	6.810	75	67017	3.93 ppb		99
57) 1,1,2-Trichloroethane	6.991	97	49104	4.51 ppb		94
58) 1,3-Dichloropropane	7.158	76	88345	4.49 ppb	#	98
59) Tetrachloroethylene	7.127	166	61604	4.42 ppb		97
60) 2-Hexanone	7.253	43	40573	2.98 ppb	#	88
61) Dibromochloromethane	7.386	129	44253	4.26 ppb		98
62) 1,2-Dibromoethane	7.497	107	48402	4.11 ppb		98
63) Chlorobenzene	8.007	112	157689	4.53 ppb		92
64) 1,1,1,2-tetrachloroethane	8.096	131	41607	3.80 ppb	#	39
65) Ethyl Benzene	8.129	91	270330	4.55 ppb		98
66) p- & m-Xylenes	8.254	91	415870	8.97 ppb		96
67) o-Xylene	8.674	91	211685	4.43 ppb		99
68) Styrene	8.691	104	160419	4.08 ppb	#	100
69) Bromofrom	8.880	173	24645	3.86 ppb		98
71) p-Ethyltoluene	9.651	105	302427	5.14 ppb	#	100
72) Isopropylbenzene	9.078	105	265154	4.22 ppb		97
74) 1,1,2,2-Tetrachloroethane	9.414	83	65381	4.40 ppb	#	100
75) Bromobenzene	9.389	77	105309	4.53 ppb		79
76) trans-1,4-Dichloro-2-b...	9.448	75	67673	3.96 ppb		99
77) 1,2,3-Trichloropropane	9.456	110	19382m	3.89 ppb		
78) n-Propylbenzene	9.526	91	325204	4.57 ppb		98
79) 2-Chlorotoluene	9.612	91	193593	4.59 ppb		100
80) 4-Chlorotoluene	9.732	91	221528	4.56 ppb		83
81) 1,3,5-Trimethylbenzene	9.729	105	217320m	4.23 ppb		
82) tert-Butylbenzene	10.082	119	207691	4.32 ppb		96
83) 1,2,4-Trimethylbenzene	10.135	105	219248	4.21 ppb		92
84) sec-Butylbenzene	10.324	105	282896	4.33 ppb		97
85) hexachloroethane	11.226	117	27788	3.07 ppb	#	100
86) 1,3-Dichlorobenzene	10.435	146	119077	4.27 ppb		94
87) p-Isopropyltoluene	10.497	119	235988	4.27 ppb		96
88) 1,4-Dichlorobenzene	10.536	146	116507	4.14 ppb		95
89) 1,2,3-Trimethylbenzene	10.602	105	203178	4.14 ppb		98
90) nitrobenzene	12.066	77	1747m	6.54 ppb		
91) p-Diethylbenzene	10.925	105	147195	5.04 ppb		97
92) 1,2-Dichlorobenzene	10.950	146	115075m	4.32 ppb		
93) n-Butylbenzene	10.953	91	280174m	4.94 ppb		
94) 1,2-Dibromo-3-chloropr...	11.829	75	14324	4.15 ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.804	119	240989	4.81 ppb	#	93
96) 1,2,4-Trichlorobenzene	12.764	180	67556	4.00 ppb	#	100
97) Hexachloro-1,3-Butadiene	12.973	225	40797	4.38 ppb		87
98) Naphthalene	13.040	128	268177	4.94 ppb		99
99) 1,2,3-Trichlorobenzene	13.318	180	68961	4.26 ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115240.D
Acq On : 5 Aug 2020 5:15 pm
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV1080520A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 06 10:50:32 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115241.D
Acq On : 5 Aug 2020 5:42 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV1080520A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 10:46:47 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.004	70	634951	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2568713	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.925	152	1273971	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.698	65	1006104	50.24	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.48%				
54) Toluene-d8 (SURR)	6.515	98	3179010	51.63	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.26%				
73) p-Bromofluorobenzene (...	9.239	95	1333591	52.97	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 105.94%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.190	85	72068	7.97	ppb		99
3) Chloromethane	1.329	50	93657	7.57	ppb		99
4) Vinyl Chloride	1.410	62	84235	8.49	ppb		100
5) Bromomethane	1.660	94	45770	11.98	ppb		98
6) Allyl Chloride	2.720	76	57540	9.15	ppb	#	100
7) Chloroethane	1.744	64	38444	9.46	ppb		99
8) Trichlorofluoromethane	1.958	101	132176	10.33	ppb		97
9) Ethanol	2.150	45	42498m	321.71	ppb		
10) Freon-113	2.403	101	77881	7.66	ppb	#	60
11) 1,1-Dichloroethylene	2.400	61	173737	9.71	ppb		84
12) Acrolein	2.328	56	17186	10.85	ppb		91
13) Acetone	2.467	43	62943	7.27	ppb	#	21
14) Iodomethane	2.531	142	65591	7.12	ppb	#	20
15) Methyl Acetate	2.754	43	92835	6.69	ppb		97
16) Carbon disulfide	2.584	76	301614	9.11	ppb		100
17) tert-Butyl Alcohol (TBA)	2.957	59	21478	9.89	ppb	#	1
18) Methylene Chloride	2.829	49	154338	8.36	ppb		94
19) Acrylonitrile	3.054	53	57946	8.50	ppb		96
20) trans-1,2-Dichloroethy...	3.068	61	165057	9.27	ppb		93
21) tert-Butyl Methyl Ethe...	3.076	73	306517	8.73	ppb		98
22) 1,1-Dichloroethane	3.441	63	217903	9.16	ppb	#	99
23) Vinyl Acetate	3.508	43	279491	6.56	ppb		100
24) Diisopropyl ether (DIPE)	3.513	45	365913	7.40	ppb	#	88
25) Ethyl-tert-Butyl ether...	3.836	59	346725	7.81	ppb	#	79
26) cis-1,2-Dichloroethylene	3.956	61	198376	9.34	ppb		92
27) 2-Butanone	3.986	72	17280	8.68	ppb		93
28) 2,2-Dichloropropane	3.953	77	140450	8.61	ppb		95
29) Tetrahydrofuran	4.220	42	42158	7.22	ppb		92
30) Bromochloromethane	4.173	49	106644	8.37	ppb	#	63
31) Chloroform	4.248	83	199858	9.65	ppb	#	72
32) 1,1,1-Trichloroethane	4.409	97	161812	9.55	ppb	#	73
33) Cyclohexane	4.454	56	169989	6.79	ppb		90
34) 1,1-Dichloropropylene	4.557	75	152243	9.29	ppb		83
36) Carbon Tetrachloride	4.557	117	127518	9.68	ppb	#	91
37) tert-Amyl alcohol (TAA)	4.774	59	100030	65.27	ppb	#	100
38) 1,2-Dichloroethane	4.768	62	167883	8.94	ppb		100
39) Benzene	4.746	78	451425	9.37	ppb	#	97
40) tert-Amyl methyl ether...	4.860	73	269049	7.78	ppb		96
42) Trichloroethylene	5.344	95	112986	9.27	ppb		89
43) Methyl Cyclohexane	5.519	83	162293	7.31	ppb	#	79
44) Methyl Methacrylate	5.681	69	85658	8.53	ppb	#	98
45) Dibromomethane	5.669	93	73354	10.00	ppb		95
46) Bromodichloromethane	5.822	83	140679	9.07	ppb		99
47) 1,2-Dichloropropane	5.555	63	125082	8.83	ppb	#	100
48) 1,4-Dioxane	5.697	88	27268	165.18	ppb		87
49) 2-Chloroethyl vinyl ether	6.123	63	53355	6.69	ppb		97
50) 2-nitropropane	6.048	43	20587	7.54	ppb	#	100
51) cis-1,3-Dichloropropene	6.256	75	167541	8.55	ppb		97

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115241.D
Acq On : 5 Aug 2020 5:42 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV1080520A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 10:46:47 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

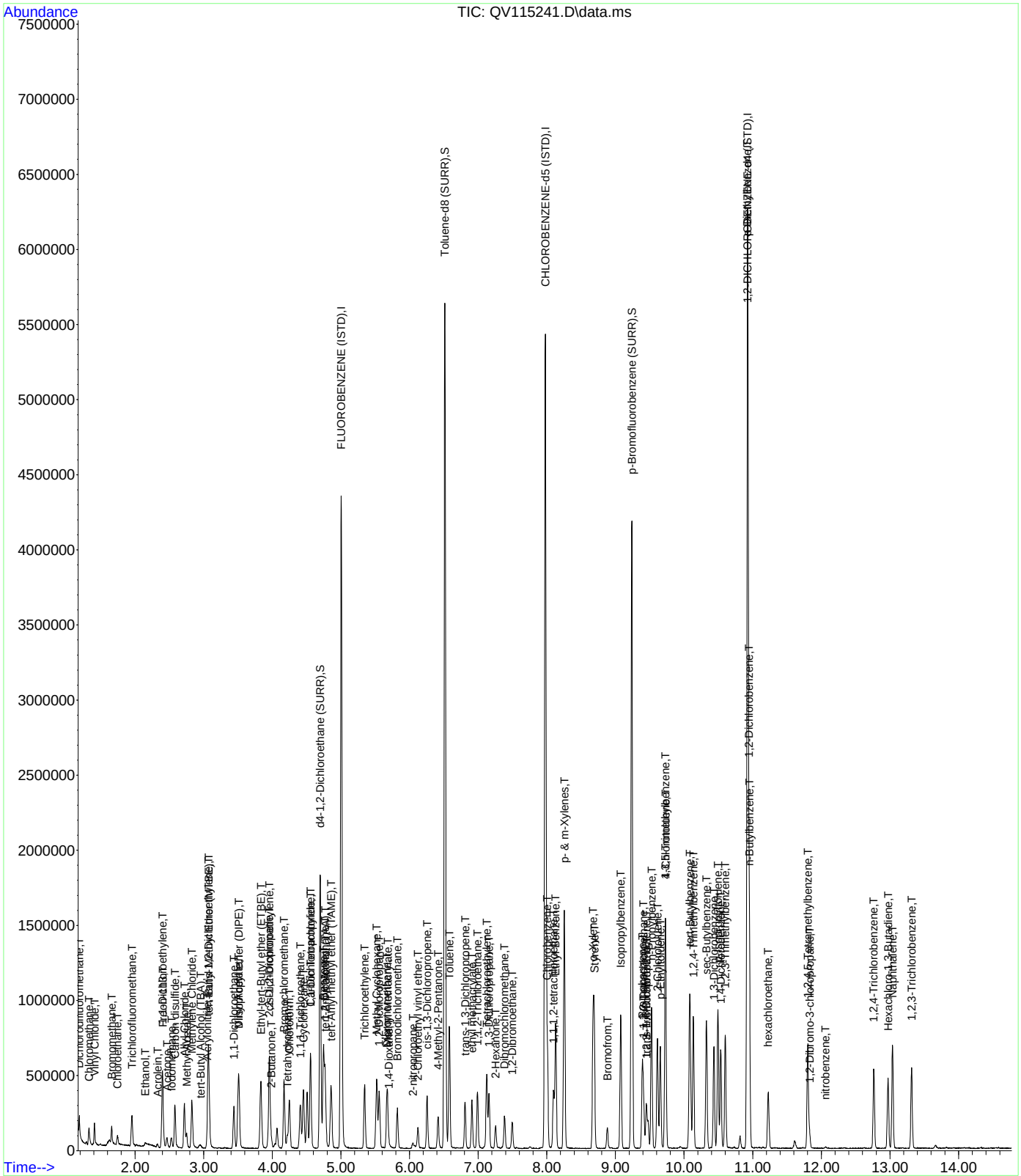
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.910	69	144803	8.16	ppb	#	100
53) 4-Methyl-2-Pentanone	6.418	43	125914	6.80	ppb	#	88
55) Toluene	6.579	91	498359	9.05	ppb		100
56) trans-1,3-Dichloropropene	6.810	75	141100	8.29	ppb	#	91
57) 1,1,2-Trichloroethane	6.991	97	100025	9.19	ppb		95
58) 1,3-Dichloropropane	7.158	76	179559	9.14	ppb	#	98
59) Tetrachloroethylene	7.125	166	122982	8.83	ppb		96
60) 2-Hexanone	7.255	43	88296	6.49	ppb	#	93
61) Dibromochloromethane	7.383	129	92023	8.87	ppb		95
62) 1,2-Dibromoethane	7.495	107	99821	8.49	ppb		96
63) Chlorobenzene	8.007	112	312570	9.00	ppb		88
64) 1,1,1,2-tetrachloroethane	8.096	131	89091	8.14	ppb	#	38
65) Ethyl Benzene	8.126	91	542925	9.15	ppb		98
66) p- & m-Xylenes	8.257	91	839210	18.12	ppb		96
67) o-Xylene	8.674	91	428163	8.97	ppb		99
68) Styrene	8.694	104	329623	8.39	ppb	#	100
69) Bromofrom	8.883	173	53070	8.33	ppb		98
71) p-Ethyltoluene	9.654	105	419257	7.04	ppb	#	100
72) Isopropylbenzene	9.078	105	547789	8.63	ppb		97
74) 1,1,2,2-Tetrachloroethane	9.409	83	132447	8.81	ppb	#	100
75) Bromobenzene	9.392	77	213266	9.08	ppb		80
76) trans-1,4-Dichloro-2-b...	9.450	75	145345	8.40	ppb		97
77) 1,2,3-Trichloropropane	9.453	110	43920m	8.71	ppb		
78) n-Propylbenzene	9.526	91	662327	9.20	ppb		97
79) 2-Chlorotoluene	9.612	91	381910	8.96	ppb		99
80) 4-Chlorotoluene	9.731	91	446052	9.08	ppb		82
81) 1,3,5-Trimethylbenzene	9.726	105	447431m	8.61	ppb		
82) tert-Butylbenzene	10.082	119	433780	8.93	ppb		97
83) 1,2,4-Trimethylbenzene	10.138	105	438811	8.34	ppb		93
84) sec-Butylbenzene	10.324	105	579230	8.76	ppb		96
85) hexachloroethane	11.223	117	60445	6.60	ppb	#	100
86) 1,3-Dichlorobenzene	10.435	146	231460	8.20	ppb		94
87) p-Isopropyltoluene	10.494	119	490638	8.79	ppb		96
88) 1,4-Dichlorobenzene	10.536	146	240086	8.44	ppb		95
89) 1,2,3-Trimethylbenzene	10.600	105	392718	7.91	ppb		98
90) nitrobenzene	12.060	77	3070	10.97	ppb	#	100
91) p-Diethylbenzene	10.922	105	216381	7.33	ppb	#	22
92) 1,2-Dichlorobenzene	10.945	146	230902	8.57	ppb		96
93) n-Butylbenzene	10.953	91	534454m	9.31	ppb		
94) 1,2-Dibromo-3-chloropr...	11.829	75	29707	8.52	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.801	119	338452	6.68	ppb		97
96) 1,2,4-Trichlorobenzene	12.761	180	145788	8.55	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.973	225	84047	8.92	ppb		86
98) Naphthalene	13.037	128	498829	9.08	ppb		98
99) 1,2,3-Trichlorobenzene	13.315	180	141203	8.63	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115241.D
Acq On : 5 Aug 2020 5:42 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV1080520A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 06 10:46:47 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115242.D
Acq On : 5 Aug 2020 6:09 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV1080520A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 10:45:25 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.007	70	621343	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2559702	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.928	152	1254966	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.701	65	986822	50.36	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.72%				
54) Toluene-d8 (SURR)	6.515	98	3161219	51.52	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.04%				
73) p-Bromofluorobenzene (...	9.236	95	1329070	53.59	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 107.18%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.190	85	57290	6.47	ppb		97
3) Chloromethane	1.329	50	121657	10.04	ppb		99
4) Vinyl Chloride	1.410	62	127079	13.09	ppb		100
5) Bromomethane	1.660	94	75811	20.28	ppb		98
6) Allyl Chloride	2.720	76	108990	17.72	ppb	#	100
7) Chloroethane	1.744	64	70709	17.79	ppb		100
8) Trichlorofluoromethane	1.953	101	240323	19.20	ppb		97
9) Ethanol	2.150	45	83964m	649.52	ppb		
10) Freon-113	2.403	101	180215	18.12	ppb	#	93
11) 1,1-Dichloroethylene	2.398	61	314910	17.98	ppb		92
12) Acrolein	2.328	56	36596	23.61	ppb		94
13) Acetone	2.462	43	119539	14.10	ppb	#	40
14) Iodomethane	2.528	142	124331	13.79	ppb	#	20
15) Methyl Acetate	2.751	43	194000	14.28	ppb		97
16) Carbon disulfide	2.581	76	551895	17.03	ppb		100
17) tert-Butyl Alcohol (TBA)	2.960	59	40565	19.09	ppb	#	1
18) Methylene Chloride	2.826	49	295987	16.37	ppb		93
19) Acrylonitrile	3.057	53	109828	16.46	ppb		96
20) trans-1,2-Dichloroethy...	3.065	61	329914	18.93	ppb		92
21) tert-Butyl Methyl Ethe...	3.077	73	602738	17.53	ppb		98
22) 1,1-Dichloroethane	3.438	63	418664	17.99	ppb	#	99
23) Vinyl Acetate	3.502	43	560117	13.43	ppb		100
24) Diisopropyl ether (DIPE)	3.511	45	645936	13.35	ppb		98
25) Ethyl-tert-Butyl ether...	3.833	59	605009	13.92	ppb	#	97
26) cis-1,2-Dichloroethylene	3.958	61	391342	18.82	ppb	#	80
27) 2-Butanone	3.981	72	31931	16.39	ppb		81
28) 2,2-Dichloropropane	3.958	77	285595	17.88	ppb		97
29) Tetrahydrofuran	4.223	42	81103	14.19	ppb		91
30) Bromochloromethane	4.170	49	208667	16.73	ppb		87
31) Chloroform	4.248	83	389647	19.22	ppb	#	92
32) 1,1,1-Trichloroethane	4.406	97	320513	19.33	ppb	#	85
33) Cyclohexane	4.454	56	416148	16.99	ppb		87
34) 1,1-Dichloropropylene	4.559	75	306869	19.14	ppb		82
36) Carbon Tetrachloride	4.554	117	261528	20.30	ppb		98
37) tert-Amyl alcohol (TAA)	4.774	59	177242	118.18	ppb	#	100
38) 1,2-Dichloroethane	4.768	62	333445	18.15	ppb		99
39) Benzene	4.746	78	887152	18.82	ppb	#	96
40) tert-Amyl methyl ether...	4.857	73	487215	14.39	ppb		97
42) Trichloroethylene	5.347	95	230692	18.99	ppb		87
43) Methyl Cyclohexane	5.519	83	393614	17.79	ppb	#	78
44) Methyl Methacrylate	5.678	69	165773	16.57	ppb	#	99
45) Dibromomethane	5.667	93	140681	19.24	ppb		95
46) Bromodichloromethane	5.825	83	285867	18.51	ppb		99
47) 1,2-Dichloropropane	5.558	63	249242	17.65	ppb	#	99
48) 1,4-Dioxane	5.689	88	56999m	346.49	ppb		
49) 2-Chloroethyl vinyl ether	6.120	63	131685	16.58	ppb		98
50) 2-nitropropane	6.051	43	44642	15.77	ppb	#	100
51) cis-1,3-Dichloropropene	6.257	75	347121	17.77	ppb		96

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115242.D
Acq On : 5 Aug 2020 6:09 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV1080520A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 10:45:25 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

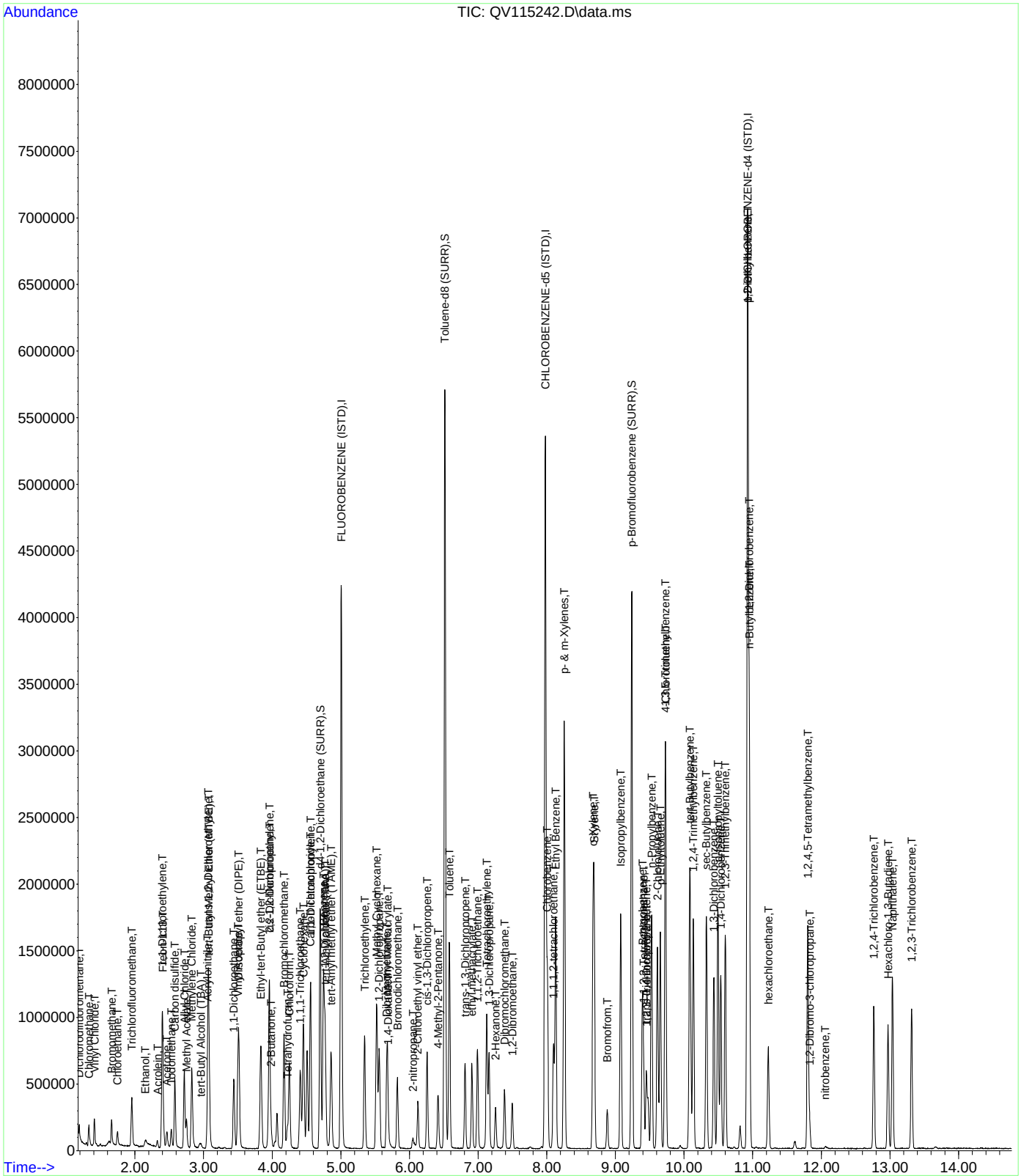
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.908	69	286818	16.23	ppb	#	100
53) 4-Methyl-2-Pentanone	6.418	43	248587	13.47	ppb	#	89
55) Toluene	6.582	91	950157	17.31	ppb		99
56) trans-1,3-Dichloropropene	6.810	75	295027	17.39	ppb		98
57) 1,1,2-Trichloroethane	6.991	97	199698	18.42	ppb		95
58) 1,3-Dichloropropane	7.161	76	349175	17.83	ppb	#	96
59) Tetrachloroethylene	7.125	166	234086	16.87	ppb	#	72
60) 2-Hexanone	7.253	43	177327	13.08	ppb		97
61) Dibromochloromethane	7.386	129	194982	18.86	ppb		98
62) 1,2-Dibromoethane	7.498	107	201820	17.22	ppb		99
63) Chlorobenzene	8.007	112	622568	17.98	ppb		91
64) 1,1,1,2-tetrachloroethane	8.096	131	184931	16.96	ppb	#	56
65) Ethyl Benzene	8.129	91	1087151	18.40	ppb		98
66) p- & m-Xylenes	8.254	91	1664130	36.06	ppb		96
67) o-Xylene	8.674	91	859099	18.07	ppb		98
68) Styrene	8.691	104	673589	17.21	ppb	#	100
69) Bromofrom	8.880	173	110393	17.38	ppb	#	80
71) p-Ethyltoluene	9.654	105	1013153	17.27	ppb	#	100
72) Isopropylbenzene	9.078	105	1093630	17.49	ppb		97
74) 1,1,2,2-Tetrachloroethane	9.412	83	266935	18.03	ppb	#	100
75) Bromobenzene	9.395	77	418711	18.09	ppb		81
76) trans-1,4-Dichloro-2-b...	9.451	75	288521	16.93	ppb		97
77) 1,2,3-Trichloropropane	9.453	110	83841	16.87	ppb		66
78) n-Propylbenzene	9.529	91	1318282	18.59	ppb		97
79) 2-Chlorotoluene	9.612	91	772246	18.40	ppb		100
80) 4-Chlorotoluene	9.732	91	898327	18.56	ppb		82
81) 1,3,5-Trimethylbenzene	9.726	105	904400m	17.67	ppb		
82) tert-Butylbenzene	10.082	119	878959	18.37	ppb		98
83) 1,2,4-Trimethylbenzene	10.135	105	895334	17.27	ppb		93
84) sec-Butylbenzene	10.324	105	1152821	17.69	ppb		97
85) hexachloroethane	11.231	117	133714	14.82	ppb	#	100
86) 1,3-Dichlorobenzene	10.433	146	472365	16.99	ppb		94
87) p-Isopropyltoluene	10.494	119	1000631	18.19	ppb		96
88) 1,4-Dichlorobenzene	10.536	146	471098	16.81	ppb		95
89) 1,2,3-Trimethylbenzene	10.600	105	860345	17.59	ppb		97
90) nitrobenzene	12.058	77	7482	24.52	ppb	#	100
91) p-Diethylbenzene	10.928	105	516326	17.75	ppb	#	23
92) 1,2-Dichlorobenzene	10.947	146	455055	17.14	ppb	#	88
93) n-Butylbenzene	10.950	91	1086813m	19.22	ppb		
94) 1,2-Dibromo-3-chloropr...	11.829	75	59375	17.28	ppb	#	79
95) 1,2,4,5-Tetramethylben...	11.802	119	847530	16.97	ppb		97
96) 1,2,4-Trichlorobenzene	12.764	180	289586	17.23	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.973	225	168099	18.12	ppb		86
98) Naphthalene	13.037	128	918794	16.99	ppb		99
99) 1,2,3-Trichlorobenzene	13.315	180	280086	17.37	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115242.D
Acq On : 5 Aug 2020 6:09 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV1080520A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 06 10:45:25 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115243.D
Acq On : 5 Aug 2020 6:36 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV1080520A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 10:43:58 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.004	70	637004	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2610096	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.928	152	1271437	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.698	65	997139	49.64	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 99.28%				
54) Toluene-d8 (SURR)	6.515	98	3199461	51.14	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 102.28%				
73) p-Bromofluorobenzene (...	9.236	95	1352765	53.84	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 107.68%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.190	85	220314	24.28	ppb		99
3) Chloromethane	1.329	50	360883	29.06	ppb		99
4) Vinyl Chloride	1.410	62	365709	36.75	ppb		100
5) Bromomethane	1.660	94	184872	48.24	ppb		99
6) Allyl Chloride	2.720	76	267633	42.44	ppb	#	100
7) Chloroethane	1.744	64	192932	47.34	ppb		99
8) Trichlorofluoromethane	1.955	101	616506	48.03	ppb		98
9) Ethanol	2.155	45	192169	1450.02	ppb		82
10) Freon-113	2.403	101	441883	43.34	ppb	#	92
11) 1,1-Dichloroethylene	2.397	61	755907	42.10	ppb		92
12) Acrolein	2.325	56	85910	54.07	ppb		95
13) Acetone	2.464	43	295190	33.97	ppb	#	40
14) Iodomethane	2.531	142	379283	41.03	ppb	#	50
15) Methyl Acetate	2.751	43	505166	36.28	ppb		97
16) Carbon disulfide	2.581	76	1333075	40.12	ppb		100
17) tert-Butyl Alcohol (TBA)	2.959	59	82048	37.66	ppb	#	1
18) Methylene Chloride	2.829	49	689502	37.21	ppb		93
19) Acrylonitrile	3.054	53	270982	39.61	ppb	#	64
20) trans-1,2-Dichloroethy...	3.065	61	768345	43.00	ppb		93
21) tert-Butyl Methyl Ethe...	3.076	73	1442145	40.92	ppb		98
22) 1,1-Dichloroethane	3.441	63	992072	41.57	ppb	#	99
23) Vinyl Acetate	3.502	43	1501556	35.11	ppb		100
24) Diisopropyl ether (DIPE)	3.510	45	1887848	38.05	ppb		98
25) Ethyl-tert-Butyl ether...	3.833	59	1810472	40.63	ppb	#	97
26) cis-1,2-Dichloroethylene	3.958	61	936636	43.95	ppb		93
27) 2-Butanone	3.983	72	84693	42.41	ppb		89
28) 2,2-Dichloropropane	3.956	77	684203	41.79	ppb	#	77
29) Tetrahydrofuran	4.217	42	198031	33.80	ppb		94
30) Bromochloromethane	4.173	49	501286	39.19	ppb		86
31) Chloroform	4.250	83	932309	44.86	ppb		99
32) 1,1,1-Trichloroethane	4.409	97	782835	46.05	ppb	#	85
33) Cyclohexane	4.454	56	1051433	41.88	ppb		86
34) 1,1-Dichloropropylene	4.559	75	711258	43.28	ppb		87
36) Carbon Tetrachloride	4.556	117	640619	48.50	ppb		99
37) tert-Amyl alcohol (TAA)	4.774	59	591049	384.40	ppb	#	100
38) 1,2-Dichloroethane	4.768	62	771206	40.94	ppb		100
39) Benzene	4.748	78	2092799	43.30	ppb	#	96
40) tert-Amyl methyl ether...	4.857	73	1472094	42.42	ppb	#	89
42) Trichloroethylene	5.344	95	534240	43.14	ppb		90
43) Methyl Cyclohexane	5.522	83	1002949	44.46	ppb	#	80
44) Methyl Methacrylate	5.681	69	422104	41.37	ppb	#	81
45) Dibromomethane	5.667	93	335623	45.01	ppb		95
46) Bromodichloromethane	5.822	83	706939	44.88	ppb		98
47) 1,2-Dichloropropane	5.558	63	597954	41.53	ppb	#	99
48) 1,4-Dioxane	5.692	88	138442	825.33	ppb		79
49) 2-Chloroethyl vinyl ether	6.123	63	349527	43.16	ppb		98
50) 2-nitropropane	6.048	43	116798	36.87	ppb	#	100
51) cis-1,3-Dichloropropene	6.256	75	858195	43.09	ppb		96

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115243.D
Acq On : 5 Aug 2020 6:36 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV1080520A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 10:43:58 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

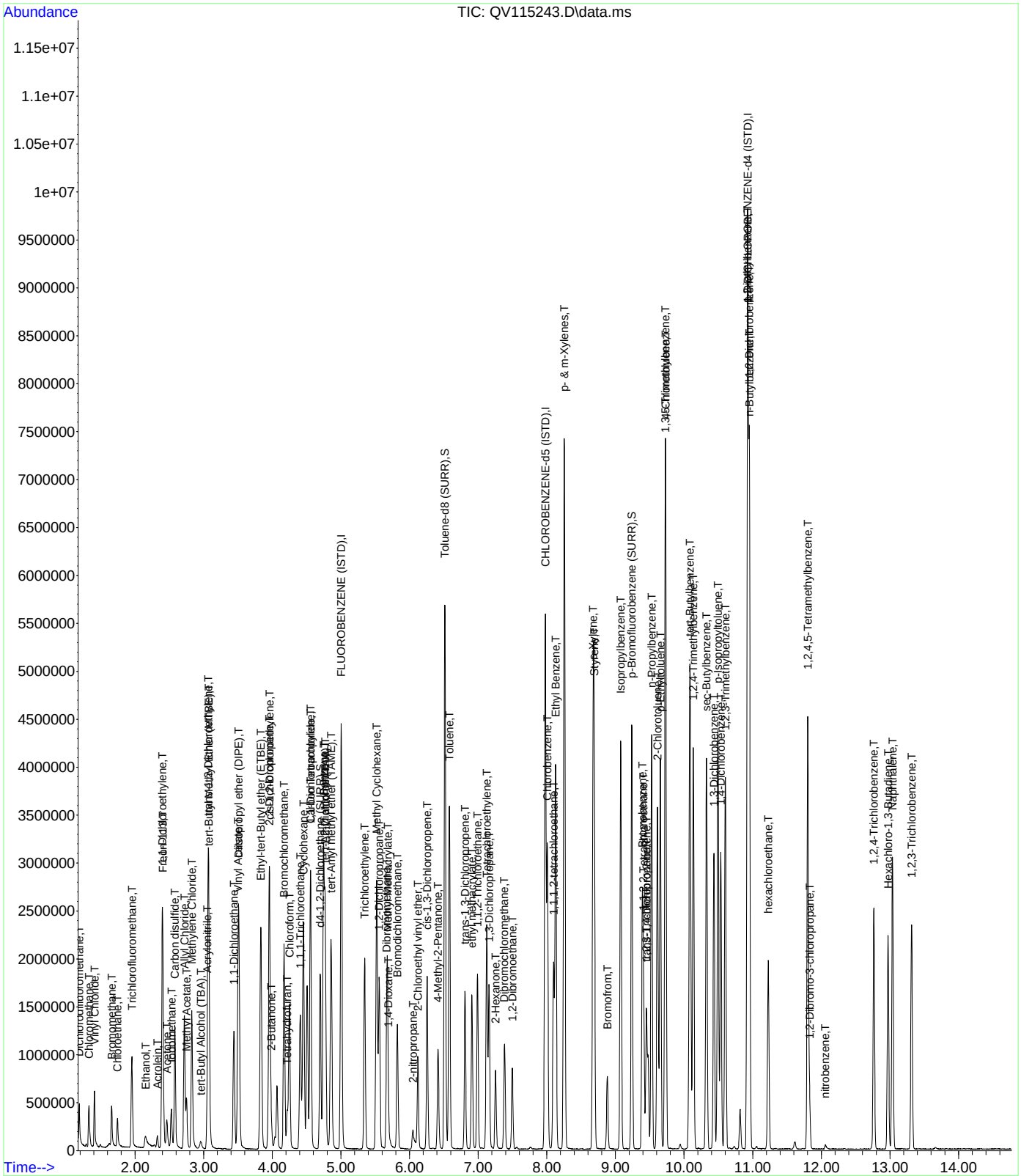
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.907	69	742940	41.22	ppb	#	100
53) 4-Methyl-2-Pentanone	6.415	43	625336	33.22	ppb		97
55) Toluene	6.579	91	2237337	39.97	ppb		100
56) trans-1,3-Dichloropropene	6.807	75	752114	43.48	ppb		99
57) 1,1,2-Trichloroethane	6.991	97	491354	44.44	ppb		97
58) 1,3-Dichloropropane	7.161	76	849494	42.55	ppb	#	98
59) Tetrachloroethylene	7.125	166	561736	39.70	ppb	#	82
60) 2-Hexanone	7.252	43	454175	32.86	ppb		94
61) Dibromochloromethane	7.380	129	500028	47.42	ppb		97
62) 1,2-Dibromoethane	7.497	107	498724	41.73	ppb		98
63) Chlorobenzene	8.009	112	1467785	41.57	ppb		93
64) 1,1,1,2-tetrachloroethane	8.098	131	472390	42.49	ppb	#	54
65) Ethyl Benzene	8.129	91	2566993	42.60	ppb		99
66) p- & m-Xylenes	8.254	91	3900951	82.91	ppb		97
67) o-Xylene	8.674	91	2043045	42.14	ppb		98
68) Styrene	8.691	104	1611116	40.36	ppb	#	100
69) Bromofrom	8.883	173	293797	45.37	ppb		98
71) p-Ethyltoluene	9.654	105	2546667	42.86	ppb	#	97
72) Isopropylbenzene	9.078	105	2597904	41.02	ppb		96
74) 1,1,2,2-Tetrachloroethane	9.409	83	654737	43.64	ppb	#	100
75) Bromobenzene	9.392	77	1000389	42.67	ppb		81
76) trans-1,4-Dichloro-2-b...	9.453	75	736246	42.64	ppb		98
77) 1,2,3-Trichloropropane	9.450	110	211430	42.00	ppb		67
78) n-Propylbenzene	9.528	91	3084358	42.92	ppb		98
79) 2-Chlorotoluene	9.612	91	1828911	43.00	ppb		100
80) 4-Chlorotoluene	9.731	91	2103779	42.89	ppb		82
81) 1,3,5-Trimethylbenzene	9.726	105	2141113m	41.30	ppb		
82) tert-Butylbenzene	10.082	119	2098752	43.30	ppb		97
83) 1,2,4-Trimethylbenzene	10.135	105	2123700	40.44	ppb		93
84) sec-Butylbenzene	10.327	105	2731539	41.38	ppb		97
85) hexachloroethane	11.226	117	357144	39.08	ppb	#	100
86) 1,3-Dichlorobenzene	10.435	146	1081943	38.41	ppb		95
87) p-Isopropyltoluene	10.494	119	2344142	42.06	ppb		97
88) 1,4-Dichlorobenzene	10.536	146	1089274	38.36	ppb		94
89) 1,2,3-Trimethylbenzene	10.602	105	2083240	42.03	ppb		98
90) nitrobenzene	12.055	77	20166	53.91	ppb	#	100
91) p-Diethylbenzene	10.925	105	1275463	43.29	ppb	#	24
92) 1,2-Dichlorobenzene	10.947	146	1056320	39.26	ppb	#	71
93) n-Butylbenzene	10.953	91	2563989m	44.76	ppb		
94) 1,2-Dibromo-3-chloropr...	11.829	75	152705	43.88	ppb	#	79
95) 1,2,4,5-Tetramethylben...	11.801	119	2185463	43.19	ppb		96
96) 1,2,4-Trichlorobenzene	12.764	180	670115	39.36	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.973	225	397039	42.23	ppb		86
98) Naphthalene	13.037	128	2166807	39.54	ppb		100
99) 1,2,3-Trichlorobenzene	13.315	180	663760	40.63	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115243.D
Acq On : 5 Aug 2020 6:36 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV1080520A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 10:43:58 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115244.D
Acq On : 5 Aug 2020 7:04 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV1080520A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 10:42:54 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.004	70	648456	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.981	117	2595831	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.928	152	1271047	50.00	ppb		# 0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.698	65	988994	48.36	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 96.72%				
54) Toluene-d8 (SURR)	6.515	98	3229817	51.90	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 103.80%				
73) p-Bromofluorobenzene (...	9.239	95	1348233	53.67	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 107.34%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.190	85	831329	90.00	ppb		100
3) Chloromethane	1.329	50	989905	78.30	ppb		99
4) Vinyl Chloride	1.410	62	1009832	99.68	ppb		100
5) Bromomethane	1.660	94	480967	123.29	ppb		99
6) Allyl Chloride	2.720	76	676280	105.35	ppb	#	100
7) Chloroethane	1.744	64	511232	123.22	ppb		99
8) Trichlorofluoromethane	1.955	101	1598036	122.31	ppb		97
9) Ethanol	2.153	45	512206	3796.62	ppb		82
10) Freon-113	2.403	101	1058571	102.00	ppb	#	93
11) 1,1-Dichloroethylene	2.398	61	1876894	102.69	ppb		92
12) Acrolein	2.325	56	178801	110.54	ppb		94
13) Acetone	2.464	43	681535	77.04	ppb	#	41
14) Iodomethane	2.528	142	1094880	116.36	ppb	#	20
15) Methyl Acetate	2.751	43	1110849	78.37	ppb		97
16) Carbon disulfide	2.581	76	3407758	100.76	ppb		100
17) tert-Butyl Alcohol (TBA)	2.962	59	172214	77.64	ppb	#	1
18) Methylene Chloride	2.829	49	1659292	87.96	ppb		94
19) Acrylonitrile	3.054	53	628121	90.20	ppb		96
20) trans-1,2-Dichloroethy...	3.068	61	1872245	102.93	ppb	#	66
21) tert-Butyl Methyl Ethe...	3.076	73	3419136	95.31	ppb		98
22) 1,1-Dichloroethane	3.441	63	2378990	97.93	ppb	#	96
23) Vinyl Acetate	3.502	43	3481451	79.98	ppb		100
24) Diisopropyl ether (DIPE)	3.513	45	4122651	81.62	ppb		98
25) Ethyl-tert-Butyl ether...	3.833	59	4039454	89.05	ppb	#	98
26) cis-1,2-Dichloroethylene	3.958	61	2206326	101.69	ppb		93
27) 2-Butanone	3.983	72	202628	99.66	ppb		91
28) 2,2-Dichloropropane	3.958	77	1730976	103.85	ppb		98
29) Tetrahydrofuran	4.220	42	468685	78.59	ppb		93
30) Bromochloromethane	4.173	49	1163026	89.33	ppb		88
31) Chloroform	4.248	83	2200665	104.02	ppb	#	92
32) 1,1,1-Trichloroethane	4.409	97	1937249	111.96	ppb	#	73
33) Cyclohexane	4.456	56	2408780	94.26	ppb		87
34) 1,1-Dichloropropylene	4.559	75	1749594	104.57	ppb		88
36) Carbon Tetrachloride	4.557	117	1609639	119.70	ppb		99
37) tert-Amyl alcohol (TAA)	4.774	59	1357356	867.20	ppb	#	100
38) 1,2-Dichloroethane	4.768	62	1858385	96.91	ppb		100
39) Benzene	4.746	78	4903438	99.66	ppb	#	97
40) tert-Amyl methyl ether...	4.857	73	3335492	94.42	ppb		98
42) Trichloroethylene	5.347	95	1306904	106.11	ppb		90
43) Methyl Cyclohexane	5.522	83	2321485	103.48	ppb	#	79
44) Methyl Methacrylate	5.678	69	997861	98.34	ppb	#	99
45) Dibromomethane	5.669	93	799563	107.83	ppb	#	70
46) Bromodichloromethane	5.822	83	1723690	110.03	ppb		98
47) 1,2-Dichloropropane	5.561	63	1411931	98.60	ppb	#	99
48) 1,4-Dioxane	5.694	88	334424	2004.64	ppb		82
49) 2-Chloroethyl vinyl ether	6.120	63	697740	86.63	ppb		98
50) 2-nitropropane	6.048	43	333796	87.31	ppb	#	100
51) cis-1,3-Dichloropropene	6.256	75	2064464	104.23	ppb		95

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115244.D
Acq On : 5 Aug 2020 7:04 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV1080520A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 10:42:54 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

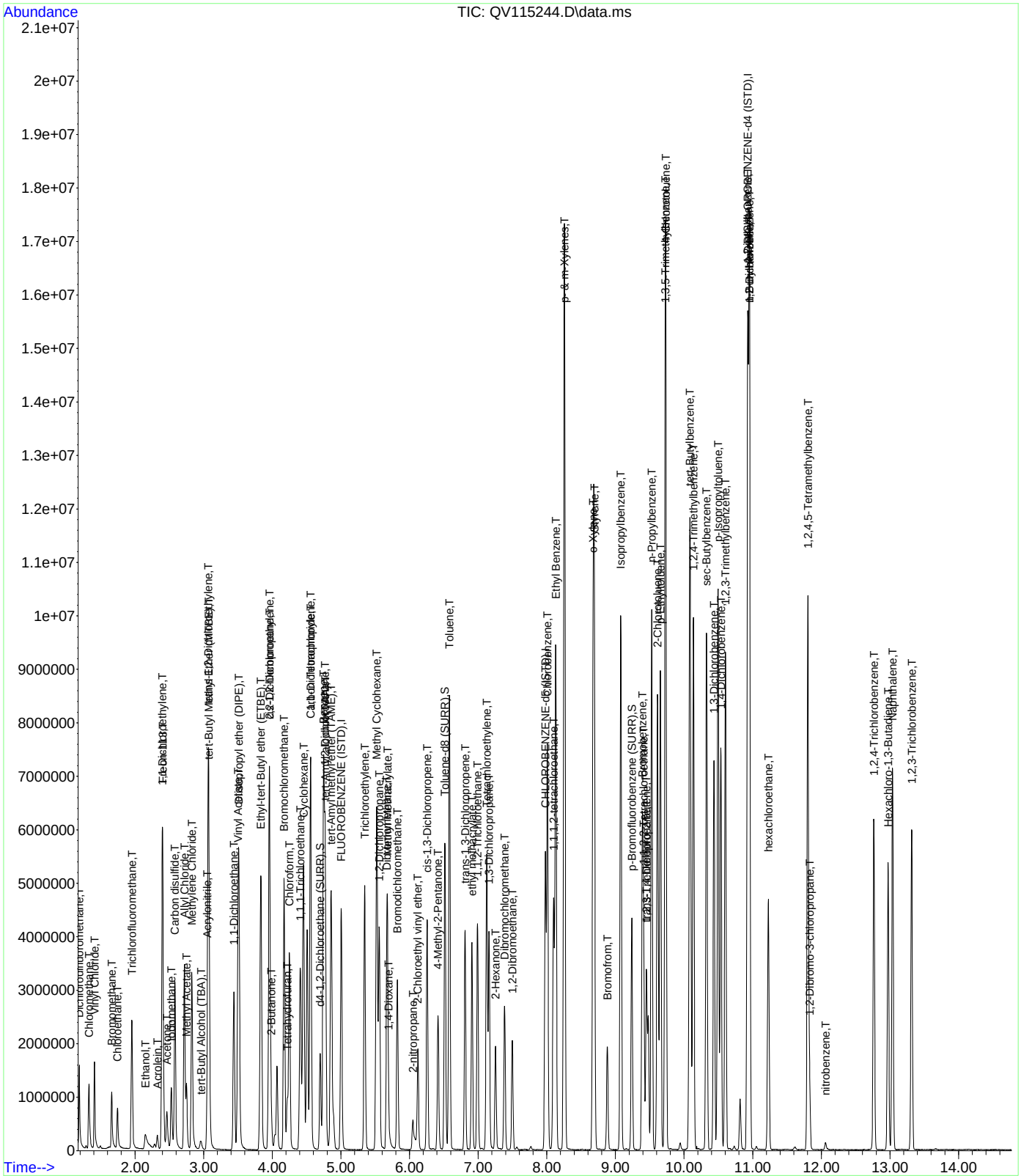
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.910	69	1740763	97.12	ppb	#	100
53) 4-Methyl-2-Pentanone	6.415	43	1446999	77.30	ppb		96
55) Toluene	6.582	91	5256894	94.43	ppb		99
56) trans-1,3-Dichloropropene	6.810	75	1868593	108.61	ppb		99
57) 1,1,2-Trichloroethane	6.991	97	1156470	105.17	ppb		97
58) 1,3-Dichloropropane	7.158	76	1990375	100.25	ppb	#	98
59) Tetrachloroethylene	7.125	166	1336611	94.97	ppb	#	72
60) 2-Hexanone	7.253	43	1080669	78.62	ppb		95
61) Dibromochloromethane	7.386	129	1211584	115.54	ppb		96
62) 1,2-Dibromoethane	7.497	107	1171566	98.57	ppb		99
63) Chlorobenzene	8.009	112	3474437	98.95	ppb		93
64) 1,1,1,2-tetrachloroethane	8.098	131	1161529	105.06	ppb	#	55
65) Ethyl Benzene	8.132	91	6054653	101.03	ppb		100
66) p- & m-Xylenes	8.257	91	9097992	194.42	ppb		98
67) o-Xylene	8.674	91	4871660	101.04	ppb		99
68) Styrene	8.694	104	3859102	97.21	ppb	#	100
69) Bromofrom	8.883	173	738269	114.63	ppb		99
71) p-Ethyltoluene	9.656	105	5769409	97.12	ppb	#	100
72) Isopropylbenzene	9.078	105	6088576	96.16	ppb		97
74) 1,1,2,2-Tetrachloroethane	9.412	83	1592242	106.16	ppb	#	100
75) Bromobenzene	9.392	77	2371914	101.21	ppb		81
76) trans-1,4-Dichloro-2-b...	9.450	75	1775442	102.85	ppb	#	93
77) 1,2,3-Trichloropropane	9.453	110	488407	97.06	ppb	#	54
78) n-Propylbenzene	9.528	91	7255144	100.99	ppb		98
79) 2-Chlorotoluene	9.612	91	4336435	102.00	ppb		100
80) 4-Chlorotoluene	9.734	91	5078268	103.57	ppb		82
81) 1,3,5-Trimethylbenzene	9.729	105	5067520m	97.78	ppb		
82) tert-Butylbenzene	10.082	119	4955838	102.29	ppb		97
83) 1,2,4-Trimethylbenzene	10.138	105	5077846	96.71	ppb		93
84) sec-Butylbenzene	10.327	105	6334846	96.00	ppb		97
85) hexachloroethane	11.228	117	941290	103.03	ppb	#	100
86) 1,3-Dichlorobenzene	10.435	146	2657455	94.37	ppb		95
87) p-Isopropyltoluene	10.497	119	5539030	99.41	ppb		97
88) 1,4-Dichlorobenzene	10.538	146	2658091	93.65	ppb		94
89) 1,2,3-Trimethylbenzene	10.602	105	4821989	97.32	ppb		98
90) nitrobenzene	12.063	77	59685	116.52	ppb	#	100
91) p-Diethylbenzene	10.928	105	3031345	102.92	ppb	#	24
92) 1,2-Dichlorobenzene	10.950	146	2514018	93.48	ppb		97
93) n-Butylbenzene	10.953	91	6048802m	105.63	ppb		
94) 1,2-Dibromo-3-chloropr...	11.829	75	370556	106.51	ppb	#	80
95) 1,2,4,5-Tetramethylben...	11.804	119	5069732	100.22	ppb		96
96) 1,2,4-Trichlorobenzene	12.767	180	1698886	99.82	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.976	225	969428	103.15	ppb		86
98) Naphthalene	13.037	128	5026873	91.76	ppb		100
99) 1,2,3-Trichlorobenzene	13.318	180	1623531	99.42	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115244.D
Acq On : 5 Aug 2020 7:04 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV1080520A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 10:42:54 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115245.D
Acq On : 5 Aug 2020 7:31 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV1080520A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 10:41:35 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.005	70	666565	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.982	117	2698607	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.928	152	1308293	50.00	ppb		# 0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.701	65	1019241	48.49	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 96.98%				
54) Toluene-d8 (SURR)	6.515	98	3326944	51.43	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 102.86%				
73) p-Bromofluorobenzene (...	9.239	95	1395177	53.96	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 107.92%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.190	85	1409232	148.42	ppb		100
3) Chloromethane	1.329	50	1736559	133.62	ppb		98
4) Vinyl Chloride	1.410	62	1700306	163.28	ppb		100
5) Bromomethane	1.660	94	850762	212.16	ppb		98
6) Allyl Chloride	2.720	76	1193425	180.86	ppb	#	100
7) Chloroethane	1.747	64	864566	202.72	ppb		99
8) Trichlorofluoromethane	1.955	101	2713330	202.03	ppb		97
9) Ethanol	2.153	45	873420	6298.16	ppb		82
10) Freon-113	2.403	101	1816859	170.31	ppb	#	60
11) 1,1-Dichloroethylene	2.400	61	3205441	170.61	ppb		92
12) Acrolein	2.328	56	344692	207.31	ppb		97
13) Acetone	2.467	43	980911	107.87	ppb	#	41
14) Iodomethane	2.531	142	1880161	194.38	ppb	#	20
15) Methyl Acetate	2.751	43	1958471	134.42	ppb		97
16) Carbon disulfide	2.584	76	5752948	165.48	ppb		100
17) tert-Butyl Alcohol (TBA)	2.962	59	343414	150.62	ppb	#	1
18) Methylene Chloride	2.829	49	2804088	144.60	ppb		95
19) Acrylonitrile	3.054	53	1097357	153.30	ppb	#	64
20) trans-1,2-Dichloroethy...	3.068	61	3145510	168.24	ppb		94
21) tert-Butyl Methyl Ethe...	3.076	73	6051279	164.09	ppb	#	92
22) 1,1-Dichloroethane	3.444	63	4030818	161.42	ppb	#	99
23) Vinyl Acetate	3.502	43	6138297	137.18	ppb		100
24) Diisopropyl ether (DIPE)	3.513	45	7053189	135.84	ppb		99
25) Ethyl-tert-Butyl ether...	3.836	59	7074101	151.72	ppb	#	98
26) cis-1,2-Dichloroethylene	3.958	61	3787081	169.81	ppb		94
27) 2-Butanone	3.983	72	340971	163.15	ppb		94
28) 2,2-Dichloropropane	3.956	77	3070967	179.24	ppb	#	90
29) Tetrahydrofuran	4.220	42	833742	136.01	ppb		94
30) Bromochloromethane	4.173	49	1953821	145.99	ppb		89
31) Chloroform	4.251	83	3840247	176.59	ppb	#	92
32) 1,1,1-Trichloroethane	4.409	97	3382352	190.16	ppb	#	85
33) Cyclohexane	4.456	56	4081601	155.38	ppb		87
34) 1,1-Dichloropropylene	4.559	75	2985545	173.59	ppb		91
36) Carbon Tetrachloride	4.557	117	2853434	206.43	ppb		100
37) tert-Amyl alcohol (TAA)	4.774	59	2521406	1567.13	ppb	#	100
38) 1,2-Dichloroethane	4.771	62	3239882	164.36	ppb	#	98
39) Benzene	4.749	78	8219808	162.52	ppb	#	98
40) tert-Amyl methyl ether...	4.860	73	5926090	163.19	ppb	#	89
42) Trichloroethylene	5.347	95	2266377	177.00	ppb		89
43) Methyl Cyclohexane	5.522	83	3973046	170.36	ppb	#	79
44) Methyl Methacrylate	5.681	69	1778777	168.63	ppb	#	99
45) Dibromomethane	5.670	93	1427655	185.20	ppb		95
46) Bromodichloromethane	5.823	83	3047894	187.15	ppb		99
47) 1,2-Dichloropropane	5.561	63	2431102	163.31	ppb	#	100
48) 1,4-Dioxane	5.697	88	587782	3389.15	ppb		83
49) 2-Chloroethyl vinyl ether	6.123	63	949749	113.43	ppb		98
50) 2-nitropropane	6.051	43	704413	146.81	ppb	#	100
51) cis-1,3-Dichloropropene	6.257	75	3599595	174.82	ppb		96

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115245.D
Acq On : 5 Aug 2020 7:31 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV1080520A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 10:41:35 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1

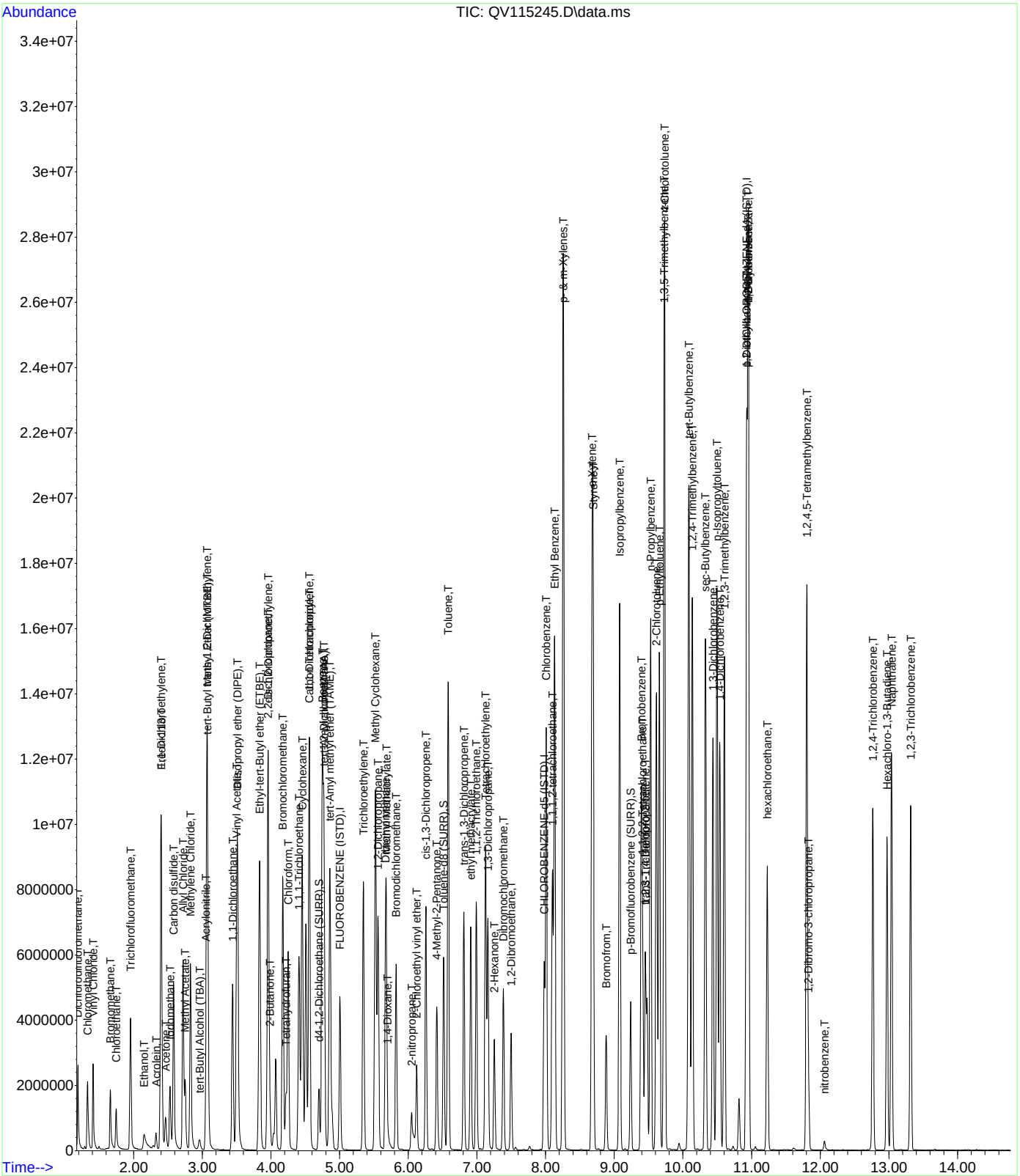
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.910	69	3096972	166.20	ppb	#	100
53) 4-Methyl-2-Pentanone	6.415	43	2544700	130.77	ppb		96
55) Toluene	6.582	91	8725688	150.78	ppb		99
56) trans-1,3-Dichloropropene	6.810	75	3329721	186.17	ppb		99
57) 1,1,2-Trichloroethane	6.991	97	2044998	178.88	ppb		97
58) 1,3-Dichloropropane	7.161	76	3475681	168.39	ppb	#	98
59) Tetrachloroethylene	7.125	166	2286533	156.28	ppb		95
60) 2-Hexanone	7.253	43	1871382	130.96	ppb		94
61) Dibromochloromethane	7.386	129	2203849	202.16	ppb		96
62) 1,2-Dibromoethane	7.497	107	2105893	170.43	ppb		99
63) Chlorobenzene	8.009	112	5915828	162.06	ppb		93
64) 1,1,1,2-tetrachloroethane	8.098	131	2096753	182.42	ppb	#	55
65) Ethyl Benzene	8.132	91	10040169	161.15	ppb		98
66) p- & m-Xylenes	8.257	91	14331764	294.60	ppb		98
67) o-Xylene	8.677	91	8221724	164.02	ppb		99
68) Styrene	8.694	104	6534966	158.34	ppb	#	100
69) Bromofrom	8.883	173	1386971	207.16	ppb	#	80
71) p-Ethyltoluene	9.659	105	9508053	155.51	ppb	#	100
72) Isopropylbenzene	9.081	105	10186645	156.30	ppb		96
74) 1,1,2,2-Tetrachloroethane	9.412	83	2785620	180.45	ppb	#	100
75) Bromobenzene	9.395	77	4097378	169.85	ppb		82
76) trans-1,4-Dichloro-2-b...	9.453	75	3235115	182.08	ppb	#	94
77) 1,2,3-Trichloropropane	9.453	110	889053	171.65	ppb	#	54
78) n-Propylbenzene	9.531	91	11663666	157.74	ppb		97
79) 2-Chlorotoluene	9.615	91	7352649	168.01	ppb		99
80) 4-Chlorotoluene	9.734	91	8385794	166.16	ppb		82
81) 1,3,5-Trimethylbenzene	9.729	105	8487989m	159.11	ppb		
82) tert-Butylbenzene	10.085	119	8475047	169.94	ppb		97
83) 1,2,4-Trimethylbenzene	10.138	105	8457006	156.49	ppb		94
84) sec-Butylbenzene	10.327	105	10475364	154.23	ppb		97
85) hexachloroethane	11.228	117	1735041	184.51	ppb	#	100
86) 1,3-Dichlorobenzene	10.438	146	4492104	154.98	ppb		94
87) p-Isopropyltoluene	10.497	119	9177822	160.02	ppb		96
88) 1,4-Dichlorobenzene	10.538	146	4487119	153.58	ppb		93
89) 1,2,3-Trimethylbenzene	10.605	105	7938791	155.66	ppb		99
90) nitrobenzene	12.063	77	127004	185.60	ppb	#	100
91) p-Diethylbenzene	10.928	105	5071707	167.28	ppb	#	24
92) 1,2-Dichlorobenzene	10.950	146	4294207	155.12	ppb	#	71
93) n-Butylbenzene	10.953	91	9780607m	165.94	ppb		
94) 1,2-Dibromo-3-chloropr...	11.827	75	682463	190.57	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.804	119	8551263	164.24	ppb		97
96) 1,2,4-Trichlorobenzene	12.767	180	2872826	163.99	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.973	225	1725969	178.42	ppb		86
98) Naphthalene	13.040	128	8631297	153.06	ppb		99
99) 1,2,3-Trichlorobenzene	13.318	180	2789070	165.92	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115245.D
Acq On : 5 Aug 2020 7:31 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV1080520A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 10:41:35 2020
Quant Method : C:\msdchem\1\methods\VQ1S0034.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Thu Jul 23 11:56:01 2020
Response via : Initial Calibration
InstName : QVOA1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913273.D
Acq On : 26 Aug 2020 2:44 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9081920A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 10:14:08 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	199784	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	718935	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	194340	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	172784	7.54	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 75.40%				
51) Toluene-d8 (SURR)	7.289	98	1014154	10.75	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 107.50%				
70) p-Bromofluorobenzene (...	10.082	95	343875	10.52	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	8771	0.73	ppb	#	1
3) Chloromethane	1.727	50	13721	2.91	ppb		93
4) Vinyl Chloride	1.835	62	10655	0.85	ppb	#	98
5) Bromomethane	2.149	94	5971	1.19	ppb		95
6) Chloroethane	2.259	64	6827	0.88	ppb	#	20
7) Trichlorofluoromethane	2.512	101	13825	0.61	ppb	#	20
8) Ethanol	2.628	45	1328m	46.10	ppb		
9) Freon-113	3.018	101	8137m	0.64	ppb		
10) 1,1-Dichloroethylene	3.003	61	14636	0.68	ppb	#	85
11) Acrolein	2.893	56	353m	0.31	ppb		
12) Acetone	3.006	43	4274	2.72	ppb	#	1
13) Iodomethane	3.143	142	6801	0.58	ppb	#	77
14) Methyl Acetate	3.320	43	2323	0.47	ppb	#	1
15) Carbon disulfide	3.236	76	21258	0.59	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.526	59	948m	1.31	ppb		
17) Methylene Chloride	3.462	49	11140	0.64	ppb	#	85
18) Acrylonitrile	3.640	53	1462m	0.56	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	13306	0.61	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.727	73	12710	0.30	ppb		99
21) 1,1-Dichloroethane	4.134	63	17832	0.59	ppb	#	99
22) Vinyl Acetate	4.116	43	6165	0.42	ppb	#	1
23) Diisopropyl ether (DIPE)	4.180	45	27031	0.57	ppb	#	51
24) Ethyl-tert-Butyl ether...	4.517	59	22234	0.39	ppb	#	95
25) cis-1,2-Dichloroethylene	4.654	61	15912	0.59	ppb	#	88
26) 2-Butanone	4.598	72	347m	0.37	ppb		
27) 2,2-Dichloropropane	4.665	77	11686m	0.39	ppb		
28) Tetrahydrofuran	4.901	42	945m	0.50	ppb		
29) Bromochloromethane	4.877	49	7000	0.67	ppb	#	33
30) Chloroform	4.970	83	16067	0.47	ppb	#	97
31) 1,1,1-Trichloroethane	5.148	97	14639	0.47	ppb	#	26
32) Cyclohexane	5.252	56	43996	0.81	ppb	#	82
33) 1,1-Dichloropropylene	5.293	75	12973	0.56	ppb	#	52
35) Carbon Tetrachloride	5.308	117	12391	0.49	ppb	#	97
36) tert-Amyl alcohol (TAA)	5.438	59	2306	2.59	ppb	#	1
37) 1,2-Dichloroethane	5.499	62	8320m	0.38	ppb		
38) Benzene	5.467	78	34849	0.51	ppb	#	98
39) tert-Amyl methyl ether...	5.601	73	14772	0.30	ppb	#	1
41) Trichloroethylene	6.101	95	8804	0.51	ppb	#	79
42) Methyl Cyclohexane	6.360	83	17055	0.69	ppb	#	57
43) Methyl Methacrylate	6.365	69	5740m	0.49	ppb		
44) Dibromomethane	6.418	93	3259	0.41	ppb	#	61
45) Bromodichloromethane	6.580	83	9991	0.42	ppb	#	97
46) 1,2-Dichloropropane	6.333	63	9447	0.62	ppb	#	84
47) 1,4-Dioxane	6.394	88	296	4.83	ppb		98
49) cis-1,3-Dichloropropene	7.008	75	10904	0.41	ppb	#	59
50) 4-Methyl-2-Pentanone	7.127	43	3269	0.45	ppb	#	96
52) Toluene	7.359	91	43286	0.60	ppb		100

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913273.D
Acq On : 26 Aug 2020 2:44 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9081920A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 10:14:08 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

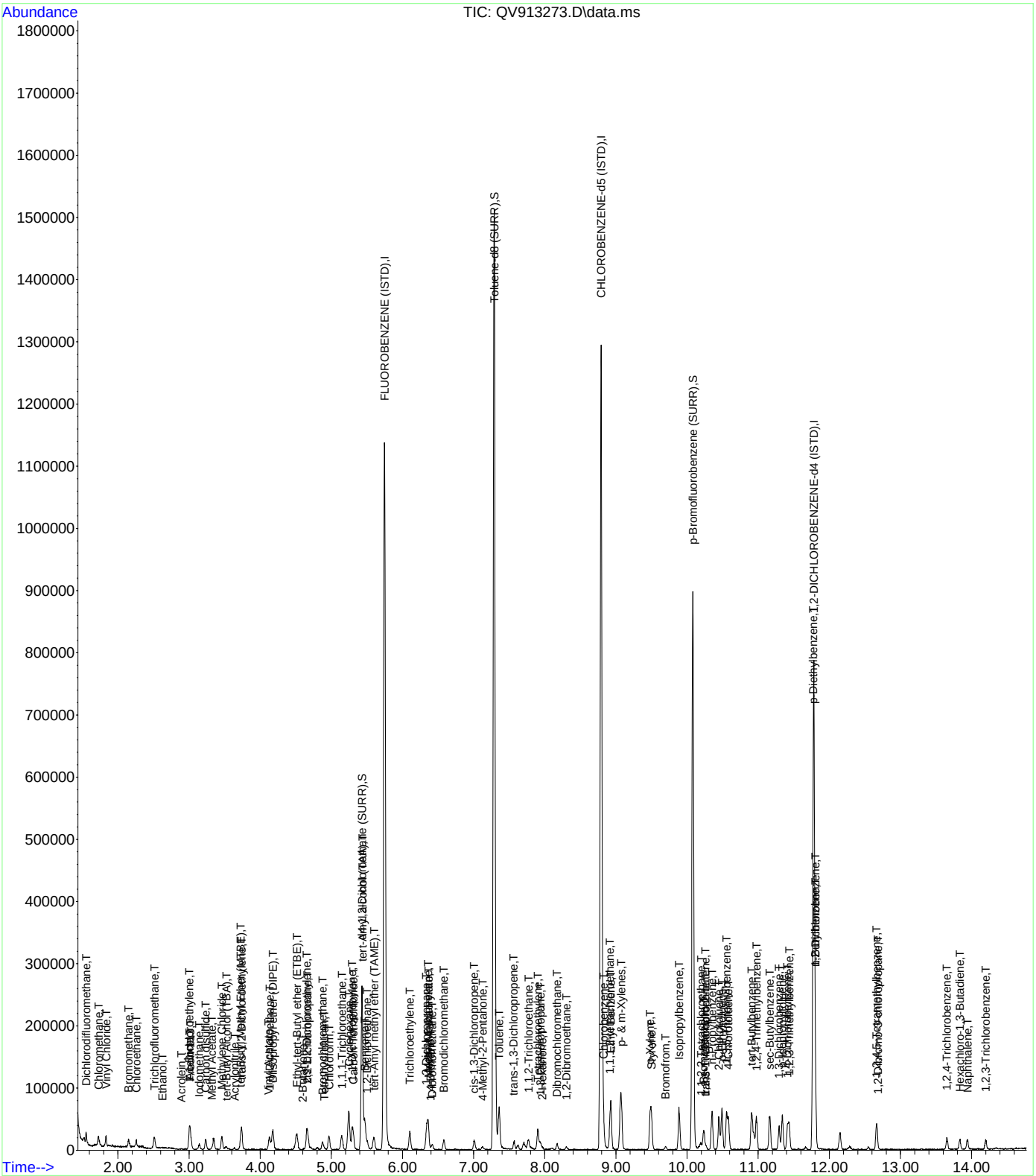
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.563	75	7779	0.34	ppb	#	89
54) 1,1,2-Trichloroethane	7.772	97	4406	0.39	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	7387	0.37	ppb	#	95
56) Tetrachloroethylene	7.903	166	9222	0.57	ppb	#	100
57) 2-Hexanone	7.964	43	2014	0.43	ppb	#	43
58) Dibromochloromethane	8.173	129	4354	0.32	ppb	#	65
59) 1,2-Dibromoethane	8.307	107	3550	0.33	ppb		72
60) Chlorobenzene	8.827	112	23131	0.50	ppb	#	85
61) 1,1,1,2-tetrachloroethane	8.914	131	7089	0.43	ppb	#	49
62) Ethyl Benzene	8.928	91	45513	0.55	ppb		97
63) p- & m-Xylenes	9.074	91	69906m	1.05	ppb		
64) o-Xylene	9.481	91	34653	0.50	ppb		95
65) Styrene	9.504	104	20661	0.42	ppb	#	82
66) Bromofrom	9.698	173	2407	0.32	ppb	#	81
68) p-Ethyltoluene	10.492	105	41950	0.63	ppb	#	97
69) Isopropylbenzene	9.887	105	44423	0.60	ppb		95
71) 1,1,2,2-Tetrachloroethane	10.198	83	3775	0.38	ppb	#	80
72) Bromobenzene	10.233	77	14287	0.47	ppb	#	75
73) trans-1,4-Dichloro-2-b...	10.259	75	5457m	0.68	ppb		
74) 1,2,3-Trichloropropane	10.259	110	951m	0.30	ppb		
75) n-Propylbenzene	10.352	91	51483	0.60	ppb	#	90
76) 2-Chlorotoluene	10.448	91	32695	0.59	ppb		98
77) 4-Chlorotoluene	10.579	91	33970m	0.54	ppb		
78) 1,3,5-Trimethylbenzene	10.556	105	33989	0.54	ppb	#	55
79) tert-Butylbenzene	10.907	119	32699	0.56	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.977	105	31001m	0.49	ppb		
81) sec-Butylbenzene	11.163	105	40904	0.60	ppb	#	92
82) 1,3-Dichlorobenzene	11.294	146	14891	0.54	ppb		92
83) p-Isopropyltoluene	11.340	119	33969	0.56	ppb		93
84) 1,4-Dichlorobenzene	11.410	146	14938m	0.55	ppb		
85) 1,2,3-Trimethylbenzene	11.436	105	24108	0.42	ppb	#	91
86) p-Diethylbenzene	11.773	105	18999	0.63	ppb	#	51
87) 1,2-Dichlorobenzene	11.802	146	12646	0.56	ppb	#	100
88) n-Butylbenzene	11.802	91	33826m	0.54	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	874m	0.49	ppb		
90) 1,2,4,5-Tetramethylben...	12.663	119	24137	0.52	ppb	#	92
91) 1,2,4-Trichlorobenzene	13.651	180	5069	0.55	ppb	#	1
92) Hexachloro-1,3-Butadiene	13.837	225	3064	0.57	ppb	#	66
93) Naphthalene	13.941	128	12382	0.77	ppb	#	83
94) 1,2,3-Trichlorobenzene	14.197	180	4799	0.90	ppb	#	27

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913273.D
Acq On : 26 Aug 2020 2:44 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9081920A
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 26 10:14:08 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913274.D
Acq On : 26 Aug 2020 3:09 am
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9081920A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 10:10:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	206654	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	759790	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	209429	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	187750	7.92	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 79.20%				
51) Toluene-d8 (SURR)	7.290	98	1057021	10.60	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 106.00%				
70) p-Bromofluorobenzene (...	10.079	95	362697	10.30	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	24199	1.93	ppb	#	1
3) Chloromethane	1.725	50	40221	7.83	ppb		93
4) Vinyl Chloride	1.832	62	31375	2.41	ppb	#	98
5) Bromomethane	2.149	94	16942	3.24	ppb		99
6) Chloroethane	2.259	64	19636	2.45	ppb	#	19
7) Trichlorofluoromethane	2.512	101	40314	1.72	ppb	#	20
8) Ethanol	2.628	45	3830	127.68	ppb	#	1
9) Freon-113	3.015	101	27403	2.10	ppb	#	1
10) 1,1-Dichloroethylene	3.003	61	51316	2.30	ppb	#	84
11) Acrolein	2.878	56	1598m	1.35	ppb		
12) Acetone	3.006	43	6957	4.27	ppb	#	1
13) Iodomethane	3.146	142	32871	2.72	ppb	#	72
14) Methyl Acetate	3.323	43	9225	1.79	ppb	#	1
15) Carbon disulfide	3.233	76	72099	1.93	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	1921m	2.56	ppb		
17) Methylene Chloride	3.459	49	45778	2.55	ppb		89
18) Acrylonitrile	3.631	53	5221m	1.94	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	50224	2.23	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.730	73	49227	1.12	ppb	#	93
21) 1,1-Dichloroethane	4.134	63	66793	2.15	ppb	#	99
22) Vinyl Acetate	4.119	43	24112	1.60	ppb	#	1
23) Diisopropyl ether (DIPE)	4.180	45	100867	2.05	ppb	#	48
24) Ethyl-tert-Butyl ether...	4.514	59	82877	1.40	ppb	#	96
25) cis-1,2-Dichloroethylene	4.654	61	59861	2.13	ppb	#	87
26) 2-Butanone	4.619	72	1244m	1.27	ppb		
27) 2,2-Dichloropropane	4.677	77	43232	1.41	ppb	#	87
28) Tetrahydrofuran	4.910	42	3054	1.56	ppb	#	10
29) Bromochloromethane	4.878	49	26440	2.46	ppb	#	61
30) Chloroform	4.965	83	57965	1.63	ppb	#	97
31) 1,1,1-Trichloroethane	5.142	97	53958	1.66	ppb	#	73
32) Cyclohexane	5.247	56	82228m	1.46	ppb		
33) 1,1-Dichloropropylene	5.296	75	44492	1.85	ppb	#	48
35) Carbon Tetrachloride	5.308	117	42169	1.60	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.441	59	8626m	9.36	ppb		
37) 1,2-Dichloroethane	5.505	62	34013	1.48	ppb	#	98
38) Benzene	5.473	78	129763	1.84	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	55343	1.09	ppb	#	1
41) Trichloroethylene	6.107	95	35769	1.97	ppb	#	74
42) Methyl Cyclohexane	6.351	83	54644	2.10	ppb	#	36
43) Methyl Methacrylate	6.368	69	19259m	1.57	ppb		
44) Dibromomethane	6.409	93	12366m	1.48	ppb		
45) Bromodichloromethane	6.586	83	39227	1.57	ppb		95
46) 1,2-Dichloropropane	6.336	63	36012	2.23	ppb	#	84
47) 1,4-Dioxane	6.400	88	2082m	32.13	ppb		
49) cis-1,3-Dichloropropene	7.008	75	44988	1.58	ppb	#	54
50) 4-Methyl-2-Pentanone	7.127	43	11500	1.51	ppb	#	75
52) Toluene	7.362	91	150929	1.99	ppb		100

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913274.D
Acq On : 26 Aug 2020 3:09 am
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9081920A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 10:10:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

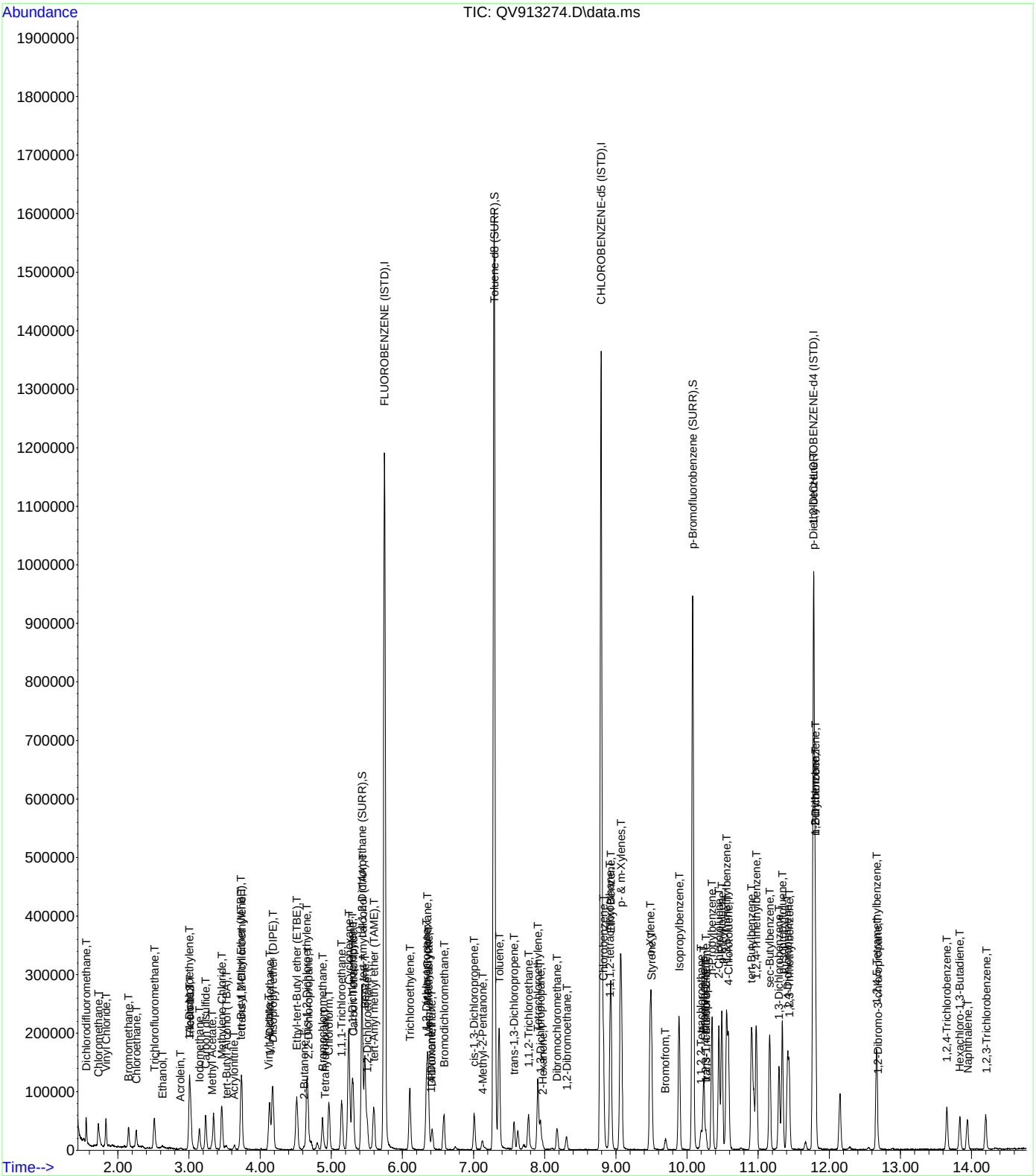
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	33505	1.37	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	17557	1.48	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	30168	1.45	ppb	#	70
56) Tetrachloroethylene	7.903	166	33796	1.96	ppb	#	100
57) 2-Hexanone	7.970	43	6598	1.34	ppb	#	1
58) Dibromochloromethane	8.170	129	18523	1.27	ppb	#	79
59) 1,2-Dibromoethane	8.309	107	16083	1.42	ppb		96
60) Chlorobenzene	8.824	112	86725	1.78	ppb	#	77
61) 1,1,1,2-tetrachloroethane	8.914	131	28897	1.65	ppb	#	47
62) Ethyl Benzene	8.928	91	170805	1.94	ppb		97
63) p- & m-Xylenes	9.071	91	271764	3.86	ppb		92
64) o-Xylene	9.484	91	135349	1.85	ppb		95
65) Styrene	9.504	104	88244	1.68	ppb	#	82
66) Bromofrom	9.693	173	8852	1.12	ppb	#	99
68) p-Ethyltoluene	10.489	105	159342	2.21	ppb	#	97
69) Isopropylbenzene	9.890	105	164596	2.05	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.195	83	15287	1.44	ppb	#	65
72) Bromobenzene	10.233	77	56773	1.74	ppb	#	73
73) trans-1,4-Dichloro-2-b...	10.265	75	21436m	2.48	ppb		
74) 1,2,3-Trichloropropane	10.265	110	4797	1.42	ppb	#	1
75) n-Propylbenzene	10.350	91	193461	2.11	ppb	#	89
76) 2-Chlorotoluene	10.448	91	121390	2.04	ppb		98
77) 4-Chlorotoluene	10.582	91	130254	1.93	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	134348	1.97	ppb	#	61
79) tert-Butylbenzene	10.905	119	124916	2.00	ppb	#	96
80) 1,2,4-Trimethylbenzene	10.974	105	128373	1.89	ppb		94
81) sec-Butylbenzene	11.163	105	149416	2.04	ppb	#	93
82) 1,3-Dichlorobenzene	11.291	146	62833	2.10	ppb		93
83) p-Isopropyltoluene	11.340	119	129177	1.99	ppb		96
84) 1,4-Dichlorobenzene	11.413	146	58550	1.98	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	85509	1.39	ppb	#	92
86) p-Diethylbenzene	11.776	105	69247	2.12	ppb	#	60
87) 1,2-Dichlorobenzene	11.802	146	47749	1.95	ppb	#	100
88) n-Butylbenzene	11.802	91	128045m	1.89	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	3502m	1.83	ppb		
90) 1,2,4,5-Tetramethylben...	12.666	119	97701	1.94	ppb	#	94
91) 1,2,4-Trichlorobenzene	13.651	180	22557	2.29	ppb	#	5
92) Hexachloro-1,3-Butadiene	13.831	225	11762	2.04	ppb	#	74
93) Naphthalene	13.944	128	42266	2.45	ppb		97
94) 1,2,3-Trichlorobenzene	14.206	180	18633	3.23	ppb	#	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913274.D
Acq On : 26 Aug 2020 3:09 am
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9081920A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 26 10:10:51 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913275.D
Acq On : 26 Aug 2020 3:35 am
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9081920A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 26 10:06:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	206816	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	747552	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	206553	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	183462	7.73	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 77.30%				
51) Toluene-d8 (SURR)	7.289	98	1045252	10.65	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 106.50%				
70) p-Bromofluorobenzene (...	10.082	95	358464	10.32	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	64864	5.18	ppb	#	1
3) Chloromethane	1.727	50	91226	16.34	ppb		93
4) Vinyl Chloride	1.832	62	80629	6.20	ppb	#	98
5) Bromomethane	2.149	94	38669	7.29	ppb		100
6) Chloroethane	2.253	64	45737	5.70	ppb	#	25
7) Trichlorofluoromethane	2.512	101	108142	4.60	ppb	#	19
8) Ethanol	2.622	45	8608	283.17	ppb	#	1
9) Freon-113	3.023	101	63959	4.89	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	121856	5.46	ppb	#	83
11) Acrolein	2.884	56	2976m	2.51	ppb		
12) Acetone	3.003	43	9782	5.99	ppb	#	1
13) Iodomethane	3.146	142	78415	6.46	ppb	#	72
14) Methyl Acetate	3.320	43	16164	3.13	ppb	#	1
15) Carbon disulfide	3.236	76	168615	4.52	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	2678	3.56	ppb	#	1
17) Methylene Chloride	3.462	49	91124	5.08	ppb		89
18) Acrylonitrile	3.640	53	9526m	3.53	ppb		
19) trans-1,2-Dichloroethy...	3.741	61	113131	5.02	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	98950	2.24	ppb	#	94
21) 1,1-Dichloroethane	4.131	63	147671	4.74	ppb	#	99
22) Vinyl Acetate	4.119	43	45541	3.01	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	221458	4.49	ppb	#	54
24) Ethyl-tert-Butyl ether...	4.517	59	180356	3.04	ppb	#	79
25) cis-1,2-Dichloroethylene	4.660	61	128260	4.56	ppb	#	87
26) 2-Butanone	4.622	72	1888	1.93	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	103310	3.37	ppb	#	87
28) Tetrahydrofuran	4.909	42	6569	3.35	ppb	#	35
29) Bromochloromethane	4.875	49	52163	4.86	ppb	#	59
30) Chloroform	4.968	83	123791	3.47	ppb	#	97
31) 1,1,1-Trichloroethane	5.148	97	124233	3.82	ppb	#	26
32) Cyclohexane	5.241	56	123640m	2.19	ppb		
33) 1,1-Dichloropropylene	5.293	75	101822	4.24	ppb	#	52
35) Carbon Tetrachloride	5.308	117	104629	3.96	ppb	#	99
36) tert-Amyl alcohol (TAA)	5.444	59	16607	18.01	ppb	#	16
37) 1,2-Dichloroethane	5.505	62	70298	3.07	ppb	#	100
38) Benzene	5.473	78	279954	3.96	ppb	#	96
39) tert-Amyl methyl ether...	5.598	73	116564	2.30	ppb	#	1
41) Trichloroethylene	6.104	95	77925	4.37	ppb	#	74
42) Methyl Cyclohexane	6.360	83	133469	5.23	ppb	#	42
43) Methyl Methacrylate	6.362	69	43923	3.64	ppb	#	99
44) Dibromomethane	6.418	93	23421	2.85	ppb	#	49
45) Bromodichloromethane	6.580	83	82073	3.33	ppb	#	97
46) 1,2-Dichloropropane	6.336	63	77937	4.90	ppb	#	84
47) 1,4-Dioxane	6.400	88	3517m	55.16	ppb		
49) cis-1,3-Dichloropropene	7.008	75	91923	3.29	ppb	#	60
50) 4-Methyl-2-Pentanone	7.130	43	22142	2.96	ppb	#	70
52) Toluene	7.359	91	319540	4.27	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913275.D
Acq On : 26 Aug 2020 3:35 am
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9081920A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 26 10:06:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

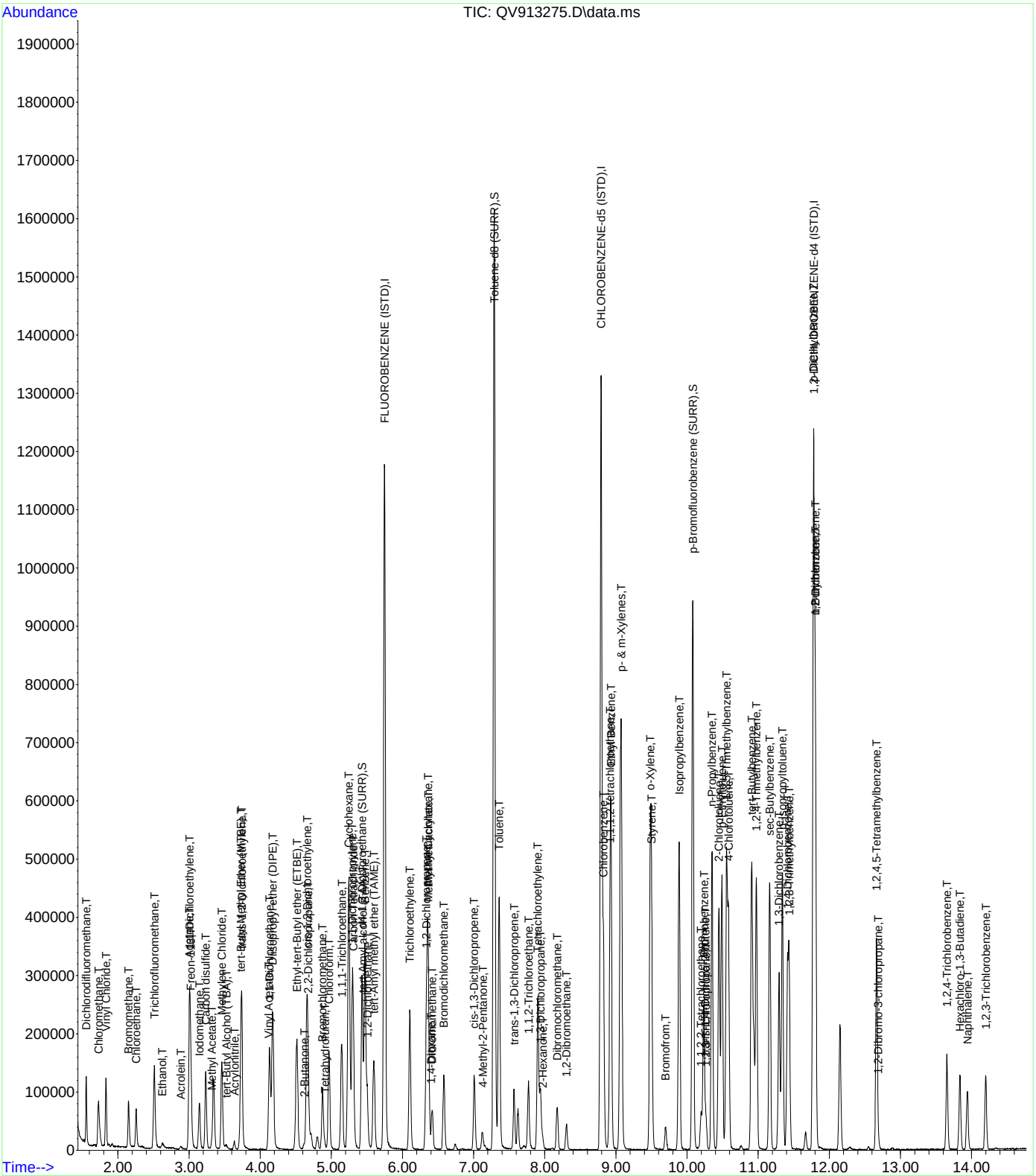
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.571	75	69562	2.89	ppb	#	98
54) 1,1,2-Trichloroethane	7.772	97	34074	2.92	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	63286	3.08	ppb	#	68
56) Tetrachloroethylene	7.900	166	80033	4.72	ppb	#	100
57) 2-Hexanone	7.969	43	13534	2.80	ppb	#	29
58) Dibromochloromethane	8.176	129	38522	2.69	ppb	#	81
59) 1,2-Dibromoethane	8.304	107	31085	2.79	ppb		93
60) Chlorobenzene	8.824	112	185448	3.87	ppb	#	84
61) 1,1,1,2-tetrachloroethane	8.917	131	61477	3.56	ppb	#	47
62) Ethyl Benzene	8.931	91	367264	4.23	ppb		96
63) p- & m-Xylenes	9.074	91	588629	8.49	ppb		93
64) o-Xylene	9.483	91	286683	3.98	ppb		96
65) Styrene	9.504	104	188933	3.66	ppb	#	82
66) Bromofrom	9.696	173	18359	2.36	ppb	#	81
68) p-Ethyltoluene	10.492	105	318047	4.46	ppb	#	100
69) Isopropylbenzene	9.890	105	374073	4.72	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.195	83	30987	2.97	ppb	#	65
72) Bromobenzene	10.239	77	119283	3.72	ppb	#	75
73) trans-1,4-Dichloro-2-b...	10.259	75	42074m	4.94	ppb		
74) 1,2,3-Trichloropropane	10.265	110	9007	2.71	ppb	#	1
75) n-Propylbenzene	10.349	91	441732	4.88	ppb	#	89
76) 2-Chlorotoluene	10.448	91	259034	4.42	ppb		98
77) 4-Chlorotoluene	10.585	91	286167	4.30	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	298519	4.43	ppb	#	61
79) tert-Butylbenzene	10.910	119	281723	4.56	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.974	105	280343	4.18	ppb		93
81) sec-Butylbenzene	11.163	105	351855	4.87	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	128399	4.36	ppb		94
83) p-Isopropyltoluene	11.340	119	294750	4.59	ppb		96
84) 1,4-Dichlorobenzene	11.413	146	123931	4.26	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	188308	3.11	ppb	#	91
86) p-Diethylbenzene	11.779	105	146290	4.55	ppb	#	53
87) 1,2-Dichlorobenzene	11.802	146	102219	4.22	ppb	#	100
88) n-Butylbenzene	11.802	91	297885m	4.45	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	5749	3.04	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	197419	3.98	ppb	#	92
91) 1,2,4-Trichlorobenzene	13.653	180	49277	5.06	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.837	225	27533	4.85	ppb	#	65
93) Naphthalene	13.941	128	82826	4.86	ppb		98
94) 1,2,3-Trichlorobenzene	14.200	180	38660	6.79	ppb	#	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913275.D
Acq On : 26 Aug 2020 3:35 am
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9081920A
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Aug 26 10:06:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913276.D
Acq On : 26 Aug 2020 4:01 am
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9081920A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 10:04:03 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	204890	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	744432	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	205331	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	182270	7.75	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 77.50%				
51) Toluene-d8 (SURR)	7.289	98	1027944	10.52	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 105.20%				
70) p-Bromofluorobenzene (...	10.082	95	357977	10.37	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	183929	14.83	ppb	#	1
3) Chloromethane	1.727	50	245827	37.16	ppb		92
4) Vinyl Chloride	1.832	62	212124	16.47	ppb	#	98
5) Bromomethane	2.149	94	102618	18.78	ppb		99
6) Chloroethane	2.256	64	122906	15.47	ppb	#	25
7) Trichlorofluoromethane	2.512	101	296368	12.72	ppb	#	20
8) Ethanol	2.631	45	22105	709.83	ppb	#	1
9) Freon-113	3.021	101	170457	13.16	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	339805	15.37	ppb		84
11) Acrolein	2.884	56	8792	7.48	ppb	#	1
12) Acetone	3.009	43	23231	14.16	ppb	#	1
13) Iodomethane	3.146	142	241443	19.70	ppb	#	72
14) Methyl Acetate	3.323	43	41226	8.06	ppb	#	1
15) Carbon disulfide	3.236	76	483344	13.07	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	6721	8.84	ppb	#	1
17) Methylene Chloride	3.459	49	256481	14.43	ppb		89
18) Acrylonitrile	3.637	53	26540m	9.93	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	324631	14.53	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.733	73	284662	6.51	ppb	#	93
21) 1,1-Dichloroethane	4.134	63	422594	13.69	ppb	#	99
22) Vinyl Acetate	4.119	43	108439	7.24	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	603774	12.35	ppb	#	41
24) Ethyl-tert-Butyl ether...	4.514	59	493239	8.39	ppb	#	95
25) cis-1,2-Dichloroethylene	4.654	61	365686	13.12	ppb	#	88
26) 2-Butanone	4.616	72	6425	6.62	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	281741	9.28	ppb	#	89
28) Tetrahydrofuran	4.904	42	17873	9.19	ppb	#	1
29) Bromochloromethane	4.875	49	151494	14.24	ppb	#	60
30) Chloroform	4.965	83	352518	9.98	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	356120	11.07	ppb	#	26
32) Cyclohexane	5.244	56	402001m	7.18	ppb		
33) 1,1-Dichloropropylene	5.293	75	301901	12.68	ppb	#	46
35) Carbon Tetrachloride	5.308	117	297760	11.38	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	43693	47.82	ppb	#	1
37) 1,2-Dichloroethane	5.502	62	203960	8.98	ppb	#	100
38) Benzene	5.473	78	804926	11.50	ppb	#	96
39) tert-Amyl methyl ether...	5.601	73	321228	6.38	ppb	#	1
41) Trichloroethylene	6.104	95	224694	12.65	ppb	#	73
42) Methyl Cyclohexane	6.360	83	358287	14.08	ppb	#	42
43) Methyl Methacrylate	6.365	69	121679	10.12	ppb	#	98
44) Dibromomethane	6.418	93	69287	8.47	ppb	#	52
45) Bromodichloromethane	6.583	83	230623	9.40	ppb	#	97
46) 1,2-Dichloropropane	6.333	63	218729	13.81	ppb	#	94
47) 1,4-Dioxane	6.394	88	9195	144.82	ppb	#	81
49) cis-1,3-Dichloropropene	7.008	75	263043	9.45	ppb	#	59
50) 4-Methyl-2-Pentanone	7.124	43	66149	8.88	ppb	#	74
52) Toluene	7.359	91	888628	11.94	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913276.D
Acq On : 26 Aug 2020 4:01 am
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9081920A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 10:04:03 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

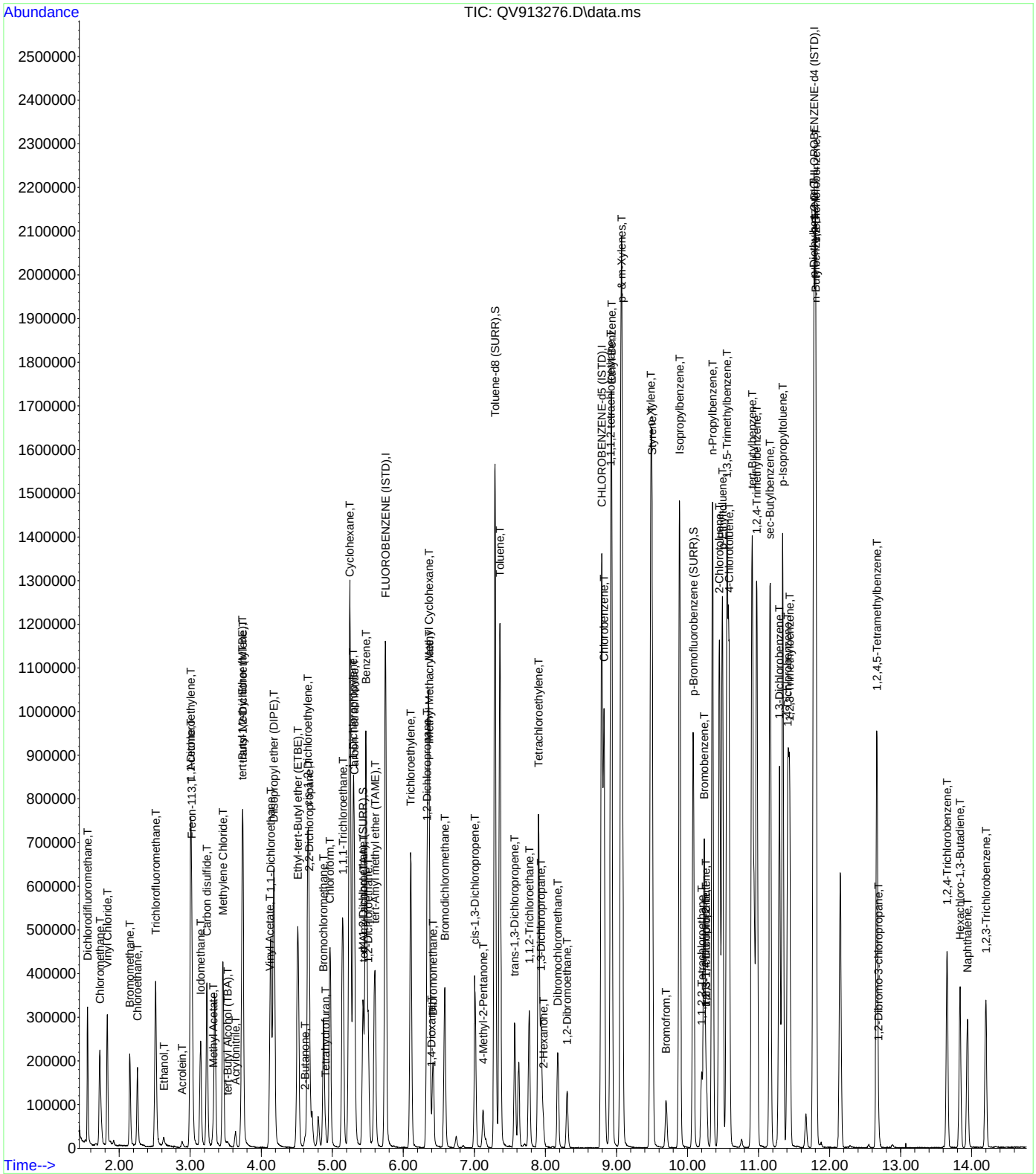
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.566	75	199717	8.33	ppb	#	99
54) 1,1,2-Trichloroethane	7.772	97	99603	8.57	ppb	#	1
55) 1,3-Dichloropropane	7.937	76	178073	8.71	ppb	#	68
56) Tetrachloroethylene	7.903	166	222720	13.19	ppb	#	100
57) 2-Hexanone	7.969	43	40429	8.38	ppb	#	1
58) Dibromochloromethane	8.173	129	113017	7.92	ppb	#	86
59) 1,2-Dibromoethane	8.304	107	90016	8.13	ppb		92
60) Chlorobenzene	8.824	112	524930	11.01	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.920	131	175609	10.22	ppb	#	47
62) Ethyl Benzene	8.931	91	1061640	12.29	ppb		96
63) p- & m-Xylenes	9.071	91	1689411	24.46	ppb		93
64) o-Xylene	9.483	91	822169	11.46	ppb		96
65) Styrene	9.501	104	553580	10.76	ppb	#	82
66) Bromofrom	9.696	173	54810	7.09	ppb	#	96
68) p-Ethyltoluene	10.492	105	875976	12.37	ppb	#	97
69) Isopropylbenzene	9.887	105	1074703	13.64	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	86271	8.30	ppb	#	65
72) Bromobenzene	10.233	77	341932	10.71	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.259	75	120579m	14.25	ppb		
74) 1,2,3-Trichloropropane	10.259	110	25757	7.78	ppb	#	1
75) n-Propylbenzene	10.352	91	1275958	14.18	ppb	#	90
76) 2-Chlorotoluene	10.448	91	718418	12.33	ppb		98
77) 4-Chlorotoluene	10.585	91	811644	12.27	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	839874	12.54	ppb	#	61
79) tert-Butylbenzene	10.910	119	814346	13.27	ppb	#	95
80) 1,2,4-Trimethylbenzene	10.974	105	808311	12.12	ppb		94
81) sec-Butylbenzene	11.160	105	1026692	14.30	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	371212	12.67	ppb		94
83) p-Isopropyltoluene	11.340	119	850147	13.33	ppb		96
84) 1,4-Dichlorobenzene	11.410	146	351714	12.16	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	504331	8.38	ppb	#	91
86) p-Diethylbenzene	11.776	105	398019	12.45	ppb	#	50
87) 1,2-Dichlorobenzene	11.805	146	287486	11.95	ppb	#	100
88) n-Butylbenzene	11.802	91	853173m	12.81	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	17589	9.36	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.665	119	553927	11.24	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.653	180	143184	14.80	ppb	#	9
92) Hexachloro-1,3-Butadiene	13.837	225	79930	14.16	ppb	#	65
93) Naphthalene	13.938	128	245351	14.49	ppb	#	95
94) 1,2,3-Trichlorobenzene	14.200	180	111024	19.60	ppb	#	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913276.D
Acq On : 26 Aug 2020 4:01 am
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9081920A
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Aug 26 10:04:03 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913277.D
Acq On : 26 Aug 2020 4:26 am
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9081920A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 10:02:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	201850	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	745870	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	209145	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	183318	7.91	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 79.10%				
51) Toluene-d8 (SURR)	7.292	98	1039300	10.62	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 106.20%				
70) p-Bromofluorobenzene (...	10.082	95	359878	10.23	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 102.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	377042	30.85	ppb	#	1
3) Chloromethane	1.724	50	502285	63.76	ppb		92
4) Vinyl Chloride	1.832	62	442398	34.86	ppb	#	98
5) Bromomethane	2.149	94	221225	38.55	ppb		98
6) Chloroethane	2.259	64	255558	32.66	ppb	#	20
7) Trichlorofluoromethane	2.512	101	623430	27.17	ppb	#	19
8) Ethanol	2.628	45	45998	1421.28	ppb	#	1
9) Freon-113	3.023	101	363722	28.51	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	684794	31.44	ppb	#	83
11) Acrolein	2.881	56	17521	15.13	ppb	#	1
12) Acetone	3.006	43	39415	23.98	ppb	#	1
13) Iodomethane	3.148	142	482837	38.99	ppb	#	73
14) Methyl Acetate	3.320	43	81860	16.24	ppb	#	1
15) Carbon disulfide	3.233	76	969901	26.61	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	11934	15.55	ppb	#	1
17) Methylene Chloride	3.459	49	490404	28.02	ppb		89
18) Acrylonitrile	3.640	53	50571m	19.22	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	641716	29.16	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	541753	12.58	ppb	#	95
21) 1,1-Dichloroethane	4.131	63	827797	27.23	ppb	#	99
22) Vinyl Acetate	4.119	43	219733	14.89	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	1219374	25.32	ppb	#	55
24) Ethyl-tert-Butyl ether...	4.514	59	997962	17.22	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	713715	25.99	ppb	#	88
26) 2-Butanone	4.616	72	10695	11.18	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	552323	18.47	ppb	#	89
28) Tetrahydrofuran	4.907	42	32242	16.82	ppb	#	1
29) Bromochloromethane	4.877	49	287262	27.40	ppb	#	60
30) Chloroform	4.968	83	694088	19.95	ppb	#	85
31) 1,1,1-Trichloroethane	5.142	97	712610	22.47	ppb	#	72
32) Cyclohexane	5.244	56	826561m	14.99	ppb		
33) 1,1-Dichloropropylene	5.296	75	599601	25.57	ppb	#	48
35) Carbon Tetrachloride	5.308	117	603754	23.41	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	87894	97.64	ppb	#	1
37) 1,2-Dichloroethane	5.502	62	391084	17.48	ppb	#	100
38) Benzene	5.473	78	1583512	22.97	ppb	#	96
39) tert-Amyl methyl ether...	5.598	73	639691	12.91	ppb	#	1
41) Trichloroethylene	6.104	95	439167	24.67	ppb	#	74
42) Methyl Cyclohexane	6.357	83	754288	29.60	ppb	#	44
43) Methyl Methacrylate	6.362	69	245551	20.39	ppb	#	98
44) Dibromomethane	6.418	93	133190	16.24	ppb	#	49
45) Bromodichloromethane	6.583	83	451779	18.38	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	424861	26.78	ppb	#	94
47) 1,4-Dioxane	6.400	88	18686	293.73	ppb	#	86
49) cis-1,3-Dichloropropene	7.008	75	525972	18.86	ppb	#	52
50) 4-Methyl-2-Pentanone	7.124	43	121730	16.31	ppb	#	69
52) Toluene	7.359	91	1762881	23.63	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913277.D
Acq On : 26 Aug 2020 4:26 am
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9081920A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 10:02:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

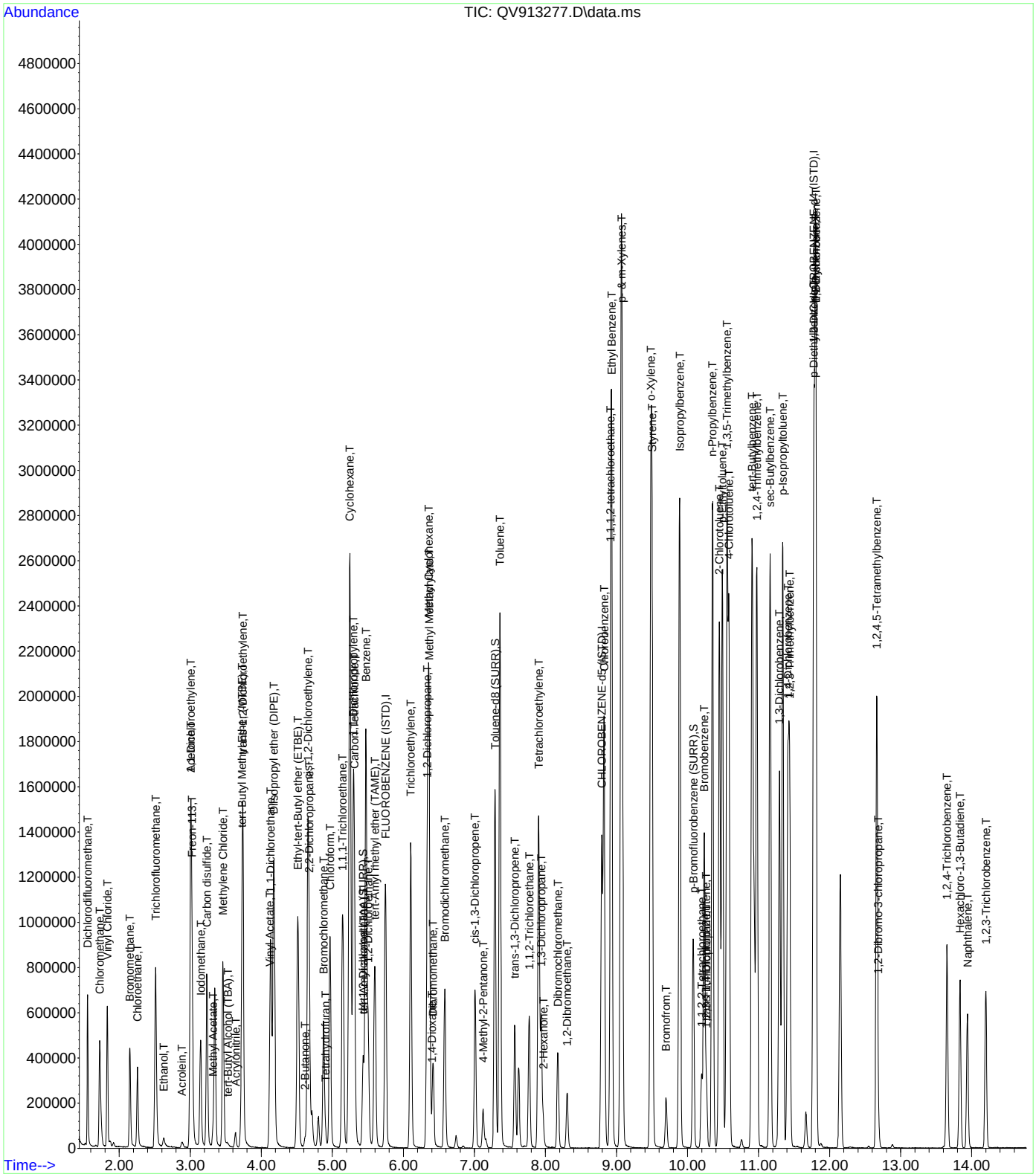
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	393909	16.40	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	182878	15.71	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	338212	16.52	ppb	#	68
56) Tetrachloroethylene	7.905	166	444953	26.30	ppb	#	100
57) 2-Hexanone	7.969	43	78670	16.28	ppb	#	1
58) Dibromochloromethane	8.176	129	221811	15.52	ppb	#	84
59) 1,2-Dibromoethane	8.304	107	172999	15.59	ppb		93
60) Chlorobenzene	8.827	112	1030179	21.56	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.917	131	339976	19.74	ppb	#	46
62) Ethyl Benzene	8.931	91	2086184	24.10	ppb		95
63) p- & m-Xylenes	9.071	91	3310382	47.84	ppb		92
64) o-Xylene	9.483	91	1618673	22.52	ppb		96
65) Styrene	9.501	104	1088154	21.11	ppb	#	82
66) Bromofrom	9.696	173	104183	13.45	ppb	#	95
68) p-Ethyltoluene	10.489	105	1785466	24.75	ppb	#	97
69) Isopropylbenzene	9.890	105	2132330	26.58	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	165741	15.66	ppb	#	65
72) Bromobenzene	10.233	77	661231	20.34	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.262	75	233475m	27.09	ppb		
74) 1,2,3-Trichloropropane	10.265	110	49228	14.60	ppb	#	1
75) n-Propylbenzene	10.349	91	2511316	27.39	ppb	#	90
76) 2-Chlorotoluene	10.448	91	1418688	23.91	ppb		98
77) 4-Chlorotoluene	10.582	91	1612332	23.93	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	1671084	24.50	ppb	#	61
79) tert-Butylbenzene	10.907	119	1566268	25.05	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.977	105	1600076	23.55	ppb		93
81) sec-Butylbenzene	11.163	105	1998050	27.32	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	723418	24.23	ppb		94
83) p-Isopropyltoluene	11.340	119	1673208	25.76	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	685631	23.27	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	1034534	16.87	ppb	#	91
86) p-Diethylbenzene	11.776	105	843772	25.91	ppb	#	53
87) 1,2-Dichlorobenzene	11.805	146	563359	22.99	ppb	#	100
88) n-Butylbenzene	11.802	91	1733086m	25.55	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	35652	18.62	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	1155968	23.03	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.651	180	289102	29.33	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.837	225	160698	27.95	ppb	#	65
93) Naphthalene	13.941	128	477111	27.67	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	226876	39.33	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913277.D
Acq On : 26 Aug 2020 4:26 am
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9081920A
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 26 10:02:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913278.D
Acq On : 26 Aug 2020 4:52 am
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9081920A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 10:00:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	209566	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	765506	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	210416	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	191363	7.96	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 79.60%				
51) Toluene-d8 (SURR)	7.289	98	1063322	10.58	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 105.80%				
70) p-Bromofluorobenzene (...	10.079	95	372017	10.51	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	763027	60.14	ppb	#	1
3) Chloromethane	1.725	50	987489	98.50	ppb		92
4) Vinyl Chloride	1.832	62	912625	69.26	ppb	#	98
5) Bromomethane	2.149	94	462476	70.53	ppb		99
6) Chloroethane	2.256	64	513220	63.17	ppb	#	20
7) Trichlorofluoromethane	2.512	101	1271754	53.38	ppb	#	20
8) Ethanol	2.625	45	90055	2486.36	ppb	#	1
9) Freon-113	3.021	101	727272	54.90	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	1373209	60.73	ppb	#	83
11) Acrolein	2.881	56	36679	30.51	ppb	#	1
12) Acetone	3.006	43	80128	45.34	ppb	#	1
13) Iodomethane	3.146	142	996686	74.10	ppb	#	73
14) Methyl Acetate	3.323	43	168879	32.27	ppb	#	1
15) Carbon disulfide	3.233	76	1901198	50.25	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.526	59	24522	29.35	ppb	#	1
17) Methylene Chloride	3.459	49	998375	54.93	ppb		89
18) Acrylonitrile	3.634	53	103801m	37.99	ppb		
19) trans-1,2-Dichloroethy...	3.741	61	1305809	57.16	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.727	73	1125396	25.16	ppb	#	95
21) 1,1-Dichloroethane	4.131	63	1704000	53.99	ppb	#	99
22) Vinyl Acetate	4.122	43	468806	30.59	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	2530693	50.62	ppb	#	54
24) Ethyl-tert-Butyl ether...	4.517	59	2078344	34.55	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	1464135	51.35	ppb	#	88
26) 2-Butanone	4.622	72	22100	22.26	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	1139210	36.70	ppb	#	87
28) Tetrahydrofuran	4.904	42	67003	33.67	ppb	#	1
29) Bromochloromethane	4.875	49	593924	54.57	ppb	#	60
30) Chloroform	4.968	83	1404236	38.87	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	1452725	44.13	ppb	#	43
32) Cyclohexane	5.247	56	1991287m	34.78	ppb		
33) 1,1-Dichloropropylene	5.296	75	1186456	48.73	ppb	#	46
35) Carbon Tetrachloride	5.308	117	1229368	45.92	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.438	59	185327	198.30	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	809241	34.83	ppb	#	100
38) Benzene	5.473	78	3221043	45.00	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	1353153	26.30	ppb	#	1
41) Trichloroethylene	6.104	95	885687	48.48	ppb	#	75
42) Methyl Cyclohexane	6.357	83	1531227	58.54	ppb	#	44
43) Methyl Methacrylate	6.362	69	503975	40.78	ppb	#	98
44) Dibromomethane	6.418	93	275270	32.71	ppb	#	49
45) Bromodichloromethane	6.583	83	942468	37.35	ppb	#	98
46) 1,2-Dichloropropane	6.333	63	854665	52.48	ppb	#	84
47) 1,4-Dioxane	6.400	88	37425	573.21	ppb	#	86
49) cis-1,3-Dichloropropene	7.010	75	1077849	37.66	ppb	#	52
50) 4-Methyl-2-Pentanone	7.121	43	261440	34.13	ppb	#	71
52) Toluene	7.359	91	3570820	46.64	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913278.D
Acq On : 26 Aug 2020 4:52 am
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9081920A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 10:00:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

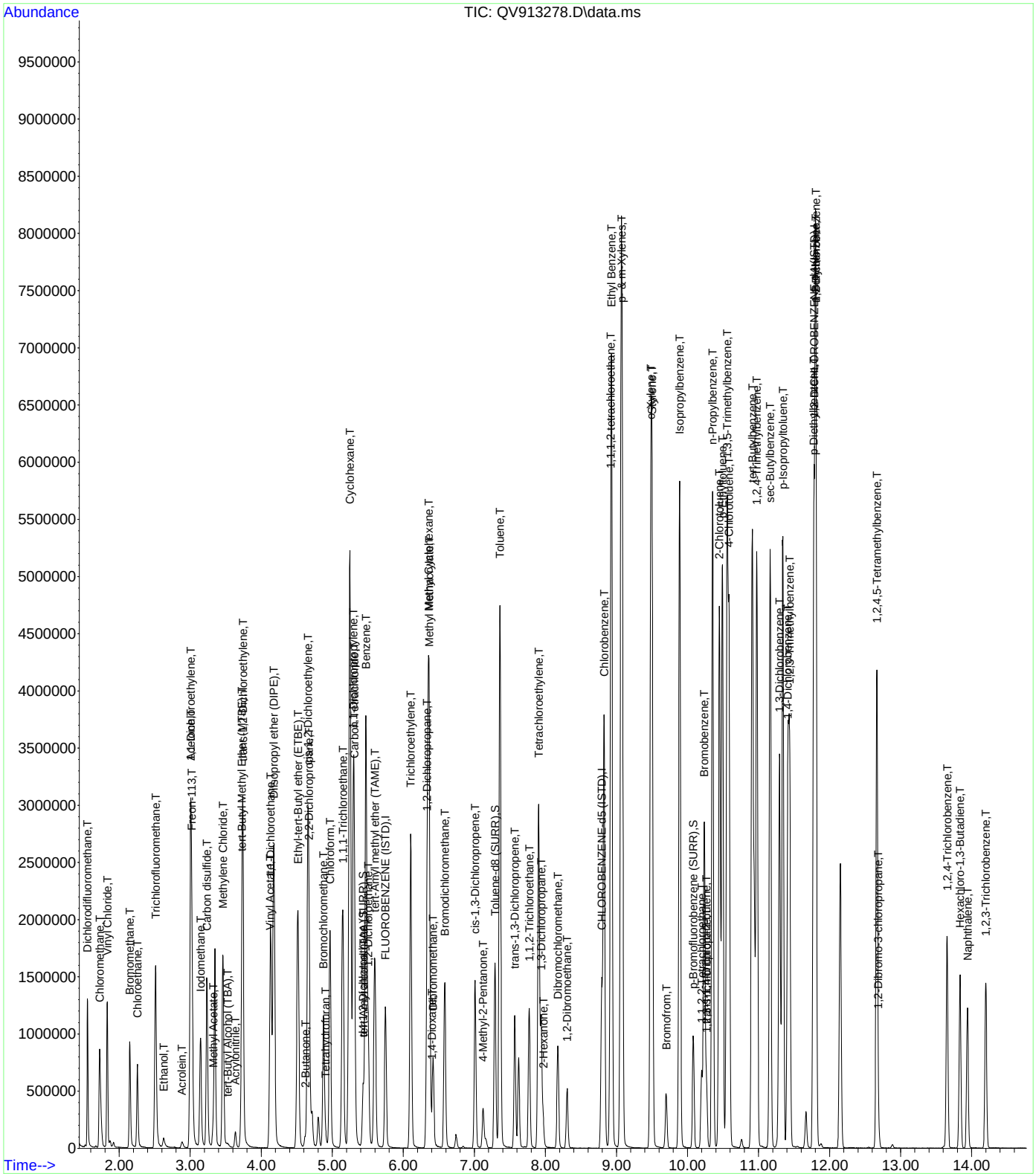
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	803727	32.61	ppb	#	99
54) 1,1,2-Trichloroethane	7.772	97	383519	32.10	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	695758	33.11	ppb	#	70
56) Tetrachloroethylene	7.906	166	882647	50.84	ppb	#	100
57) 2-Hexanone	7.969	43	160878	32.45	ppb	#	1
58) Dibromochloromethane	8.176	129	469433	32.00	ppb	#	85
59) 1,2-Dibromoethane	8.307	107	355805	31.24	ppb		92
60) Chlorobenzene	8.827	112	2102588	42.88	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.920	131	699174	39.56	ppb	#	45
62) Ethyl Benzene	8.928	91	4204821	47.34	ppb		95
63) p- & m-Xylenes	9.071	91	6566609	92.47	ppb		92
64) o-Xylene	9.483	91	3285605	44.54	ppb		96
65) Styrene	9.501	104	2199412	41.57	ppb	#	82
66) Bromofrom	9.704	173	226998	28.55	ppb	#	95
68) p-Ethyltoluene	10.492	105	3608907	49.72	ppb	#	97
69) Isopropylbenzene	9.890	105	4249920	52.65	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	344403	32.35	ppb	#	65
72) Bromobenzene	10.233	77	1348378	41.23	ppb	#	75
73) trans-1,4-Dichloro-2-b...	10.265	75	484022m	55.83	ppb		
74) 1,2,3-Trichloropropane	10.268	110	101679	29.98	ppb	#	1
75) n-Propylbenzene	10.352	91	5055264	54.80	ppb	#	90
76) 2-Chlorotoluene	10.448	91	2884344	48.32	ppb		98
77) 4-Chlorotoluene	10.582	91	3272226	48.27	ppb		95
78) 1,3,5-Trimethylbenzene	10.559	105	3366872	49.06	ppb	#	60
79) tert-Butylbenzene	10.913	119	3163663	50.29	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.974	105	3202924	46.86	ppb		93
81) sec-Butylbenzene	11.163	105	4041966	54.94	ppb	#	93
82) 1,3-Dichlorobenzene	11.297	146	1476536	49.17	ppb		93
83) p-Isopropyltoluene	11.343	119	3400098	52.03	ppb		95
84) 1,4-Dichlorobenzene	11.410	146	1394229	47.04	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	2107808	34.16	ppb	#	90
86) p-Diethylbenzene	11.776	105	1700289	51.89	ppb	#	50
87) 1,2-Dichlorobenzene	11.805	146	1126809	45.70	ppb	#	100
88) n-Butylbenzene	11.802	91	3458127m	50.68	ppb		
89) 1,2-Dibromo-3-chloropr...	12.686	75	73698	38.25	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	2386553	47.27	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.656	180	604341	60.95	ppb	#	10
92) Hexachloro-1,3-Butadiene	13.837	225	331823	57.37	ppb	#	65
93) Naphthalene	13.941	128	1012738	58.37	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.197	180	474290	81.72	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913278.D
Acq On : 26 Aug 2020 4:52 am
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9081920A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 26 10:00:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913279.D
Acq On : 26 Aug 2020 5:18 am
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9081920A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 10:43:06 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	202717	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	715980	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	186744	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.435	65	176079	7.57	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 75.70%				
51) Toluene-d8 (SURR)	7.289	98	1022387	10.88	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 108.80%				
70) p-Bromofluorobenzene (...	10.079	95	336202	10.70	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 107.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	1613991	131.50	ppb	#	1
3) Chloromethane	1.724	50	2044762	159.39	ppb		92
4) Vinyl Chloride	1.832	62	1927033	151.19	ppb	#	98
5) Bromomethane	2.152	94	1030109	136.61	ppb		98
6) Chloroethane	2.256	64	1065918	135.63	ppb	#	20
7) Trichlorofluoromethane	2.512	101	2676477	116.14	ppb	#	20
8) Ethanol	2.628	45	184414	4602.46	ppb	#	1
9) Freon-113	3.021	101	1516084	118.32	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	2922110	133.60	ppb	#	83
11) Acrolein	2.884	56	72222	62.11	ppb	#	1
12) Acetone	3.003	43	148766	82.17	ppb	#	1
13) Iodomethane	3.145	142	2078929	146.49	ppb	#	72
14) Methyl Acetate	3.326	43	334257	66.03	ppb	#	1
15) Carbon disulfide	3.236	76	4046908	110.57	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	48254	54.96	ppb	#	1
17) Methylene Chloride	3.462	49	2054387	116.86	ppb		89
18) Acrylonitrile	3.639	53	205477m	77.74	ppb		
19) trans-1,2-Dichloroethy...	3.741	61	2738747	123.94	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.727	73	2298201	53.13	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	3509363	114.94	ppb	#	99
22) Vinyl Acetate	4.122	43	910237	61.40	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	5051164	104.46	ppb	#	41
24) Ethyl-tert-Butyl ether...	4.514	59	4224176	72.59	ppb	#	95
25) cis-1,2-Dichloroethylene	4.657	61	3066860	111.19	ppb	#	88
26) 2-Butanone	4.619	72	45848	47.74	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	2422349	80.67	ppb	#	83
28) Tetrahydrofuran	4.901	42	130664	67.89	ppb	#	1
29) Bromochloromethane	4.875	49	1148115	109.06	ppb	#	59
30) Chloroform	4.968	83	2914020	83.39	ppb	#	85
31) 1,1,1-Trichloroethane	5.145	97	3056144	95.98	ppb	#	55
32) Cyclohexane	5.244	56	3034581m	54.79	ppb		
33) 1,1-Dichloropropylene	5.296	75	2517093	106.87	ppb	#	46
35) Carbon Tetrachloride	5.310	117	2580347	99.64	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.441	59	371127	410.51	ppb	#	16
37) 1,2-Dichloroethane	5.505	62	1651392	73.48	ppb	#	100
38) Benzene	5.473	78	6610170	95.47	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	2716797	54.58	ppb	#	1
41) Trichloroethylene	6.104	95	1870392	109.46	ppb	#	74
42) Methyl Cyclohexane	6.359	83	3069723	125.47	ppb	#	45
43) Methyl Methacrylate	6.365	69	1004839	86.93	ppb	#	98
44) Dibromomethane	6.420	93	556791	70.74	ppb	#	53
45) Bromodichloromethane	6.583	83	1915694	81.18	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	1725684	113.30	ppb	#	84
47) 1,4-Dioxane	6.397	88	75201	1231.47	ppb	#	86
49) cis-1,3-Dichloropropene	7.010	75	2185337	81.65	ppb	#	52
50) 4-Methyl-2-Pentanone	7.124	43	506831	70.74	ppb	#	67
52) Toluene	7.362	91	7263836	101.44	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913279.D
Acq On : 26 Aug 2020 5:18 am
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9081920A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 10:43:06 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

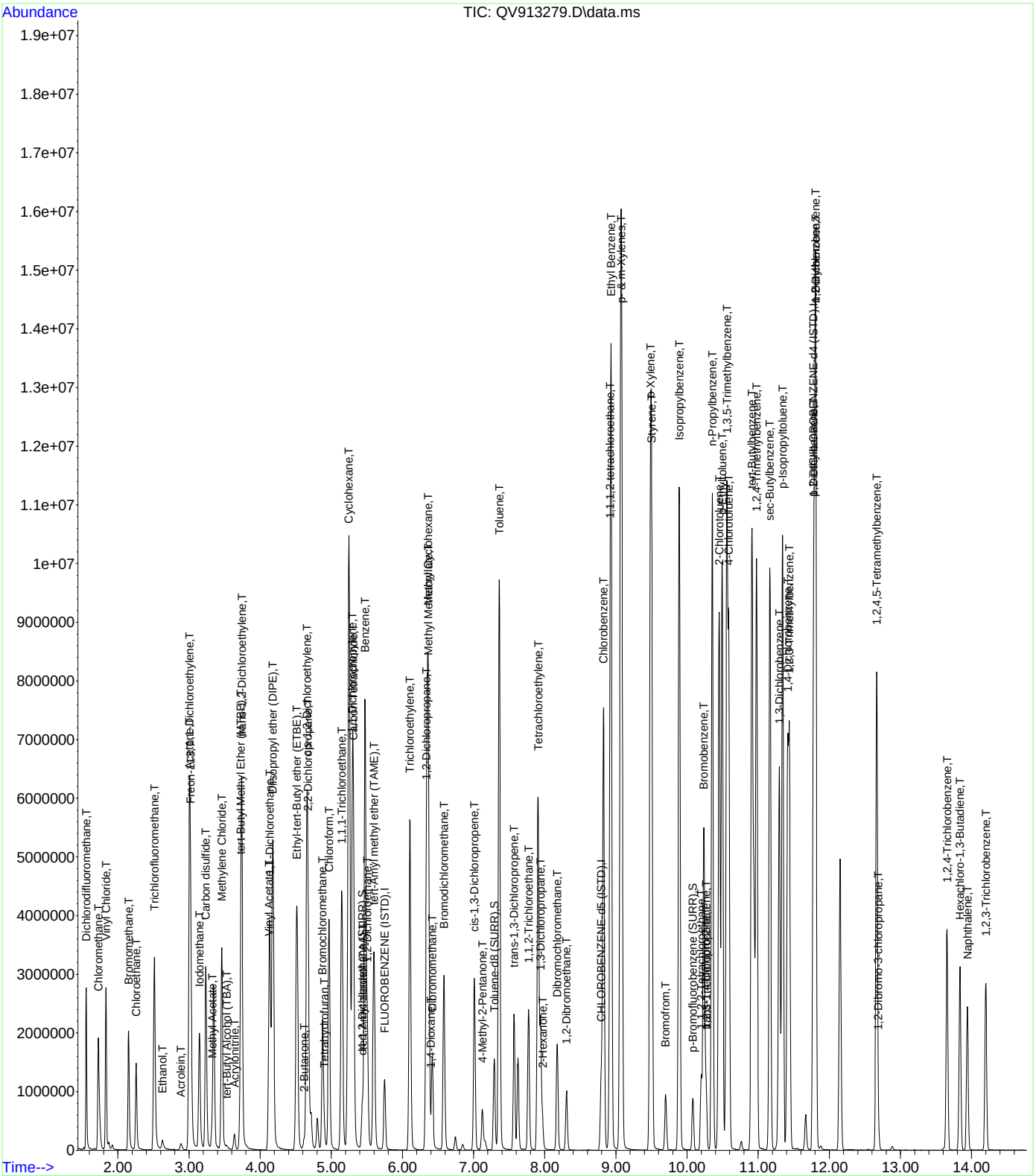
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	1621385	70.34	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	752803	67.38	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	1370635	69.74	ppb	#	68
56) Tetrachloroethylene	7.908	166	1793605	110.46	ppb	#	100
57) 2-Hexanone	7.969	43	322088	69.45	ppb	#	1
58) Dibromochloromethane	8.176	129	929329	67.72	ppb	#	83
59) 1,2-Dibromoethane	8.306	107	704833	66.16	ppb		94
60) Chlorobenzene	8.824	112	4211804	91.84	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.920	131	1389261	84.04	ppb	#	45
62) Ethyl Benzene	8.931	91	8404704	101.16	ppb		95
63) p- & m-Xylenes	9.074	91	13205327	198.81	ppb		92
64) o-Xylene	9.486	91	6463311	93.67	ppb		96
65) Styrene	9.504	104	4326068	87.43	ppb	#	93
66) Bromofrom	9.698	173	448744	60.35	ppb	#	81
68) p-Ethyltoluene	10.495	105	7090367	110.07	ppb	#	99
69) Isopropylbenzene	9.890	105	8409734	117.39	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	664070	70.28	ppb	#	65
72) Bromobenzene	10.233	77	2640851	90.98	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.268	75	936547m	121.72	ppb		
74) 1,2,3-Trichloropropane	10.268	110	194630	64.67	ppb	#	1
75) n-Propylbenzene	10.355	91	9870629	120.57	ppb	#	90
76) 2-Chlorotoluene	10.454	91	5739667	108.33	ppb		97
77) 4-Chlorotoluene	10.588	91	6426014	106.81	ppb		94
78) 1,3,5-Trimethylbenzene	10.561	105	6533095	107.27	ppb	#	59
79) tert-Butylbenzene	10.910	119	6199645	111.05	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.977	105	6264436	103.26	ppb		93
81) sec-Butylbenzene	11.163	105	7764813	118.91	ppb	#	93
82) 1,3-Dichlorobenzene	11.300	146	2855781	107.15	ppb		94
83) p-Isopropyltoluene	11.343	119	6528149	112.56	ppb		95
84) 1,4-Dichlorobenzene	11.416	146	2663175	101.25	ppb		92
85) 1,2,3-Trimethylbenzene	11.436	105	4087180	74.63	ppb	#	90
86) p-Diethylbenzene	11.779	105	3293574	113.25	ppb	#	53
87) 1,2-Dichlorobenzene	11.805	146	2147472	98.13	ppb	#	100
88) n-Butylbenzene	11.805	91	6610383m	109.16	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	143308	83.81	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.665	119	4793082	106.97	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.656	180	1222409	138.90	ppb	#	10
92) Hexachloro-1,3-Butadiene	13.837	225	684288	133.31	ppb	#	64
93) Naphthalene	13.941	128	2000917	129.94	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	935901	181.70	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913279.D
Acq On : 26 Aug 2020 5:18 am
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9081920A
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Aug 26 10:43:06 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913280.D
Acq On : 26 Aug 2020 5:43 am
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9081920A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 09:57:04 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	203166	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	721515	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	188353	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.435	65	186969	8.02	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 80.20%				
51) Toluene-d8 (SURR)	7.289	98	1052217	11.11	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 111.10%				
70) p-Bromofluorobenzene (...	10.079	95	341295	10.77	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 107.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	2242372	182.30	ppb	#	1
3) Chloromethane	1.725	50	2928645	197.56	ppb		92
4) Vinyl Chloride	1.832	62	2605978	204.01	ppb	#	98
5) Bromomethane	2.149	94	1470898	177.30	ppb		98
6) Chloroethane	2.256	64	1510759	191.81	ppb	#	20
7) Trichlorofluoromethane	2.512	101	3739325	161.89	ppb	#	19
8) Ethanol	2.625	45	290821	6506.64	ppb	#	1
9) Freon-113	3.021	101	2147713	167.24	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	4095701	186.84	ppb	#	83
11) Acrolein	2.884	56	113244	97.17	ppb	#	1
12) Acetone	3.009	43	223934	117.18	ppb	#	1
13) Iodomethane	3.146	142	2838684	190.06	ppb	#	72
14) Methyl Acetate	3.323	43	526468	103.77	ppb	#	1
15) Carbon disulfide	3.236	76	5709693	155.65	ppb	#	20
16) tert-Butyl Alcohol (TBA)	3.532	59	79718	83.28	ppb	#	1
17) Methylene Chloride	3.459	49	3008904	170.78	ppb	#	89
18) Acrylonitrile	3.637	53	334633m	126.33	ppb		
19) trans-1,2-Dichloroethy...	3.741	61	3874055	174.92	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.730	73	3557940	82.06	ppb	#	95
21) 1,1-Dichloroethane	4.137	63	5012127	163.80	ppb	#	99
22) Vinyl Acetate	4.122	43	1509564	101.60	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	7306627	150.76	ppb	#	55
24) Ethyl-tert-Butyl ether...	4.517	59	6407160	109.86	ppb	#	95
25) cis-1,2-Dichloroethylene	4.657	61	4336862	156.88	ppb	#	88
26) 2-Butanone	4.616	72	67517	70.15	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	3433698	114.09	ppb	#	85
28) Tetrahydrofuran	4.904	42	212744	110.29	ppb	#	1
29) Bromochloromethane	4.878	49	1667576	158.05	ppb	#	59
30) Chloroform	4.968	83	4251860	121.41	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	4357813	136.55	ppb	#	26
32) Cyclohexane	5.247	56	5057557m	91.12	ppb		
33) 1,1-Dichloropropylene	5.299	75	3533929	149.70	ppb	#	49
35) Carbon Tetrachloride	5.308	117	3693948	142.33	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.435	59	590624	651.86	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	2482585	110.22	ppb	#	100
38) Benzene	5.473	78	9380443	135.18	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	4169199	83.57	ppb	#	1
41) Trichloroethylene	6.104	95	2656749	154.28	ppb	#	74
42) Methyl Cyclohexane	6.360	83	4455730	180.73	ppb	#	46
43) Methyl Methacrylate	6.365	69	1501306	128.88	ppb	#	98
44) Dibromomethane	6.421	93	857808	108.15	ppb	#	52
45) Bromodichloromethane	6.583	83	2886015	121.36	ppb	#	97
46) 1,2-Dichloropropane	6.336	63	2535599	165.20	ppb	#	84
47) 1,4-Dioxane	6.403	88	117513	1909.60	ppb	#	86
49) cis-1,3-Dichloropropene	7.011	75	3241553	120.18	ppb	#	52
50) 4-Methyl-2-Pentanone	7.124	43	793405	109.88	ppb	#	69
52) Toluene	7.359	91	10349487	143.42	ppb		100

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913280.D
Acq On : 26 Aug 2020 5:43 am
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9081920A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 09:57:04 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

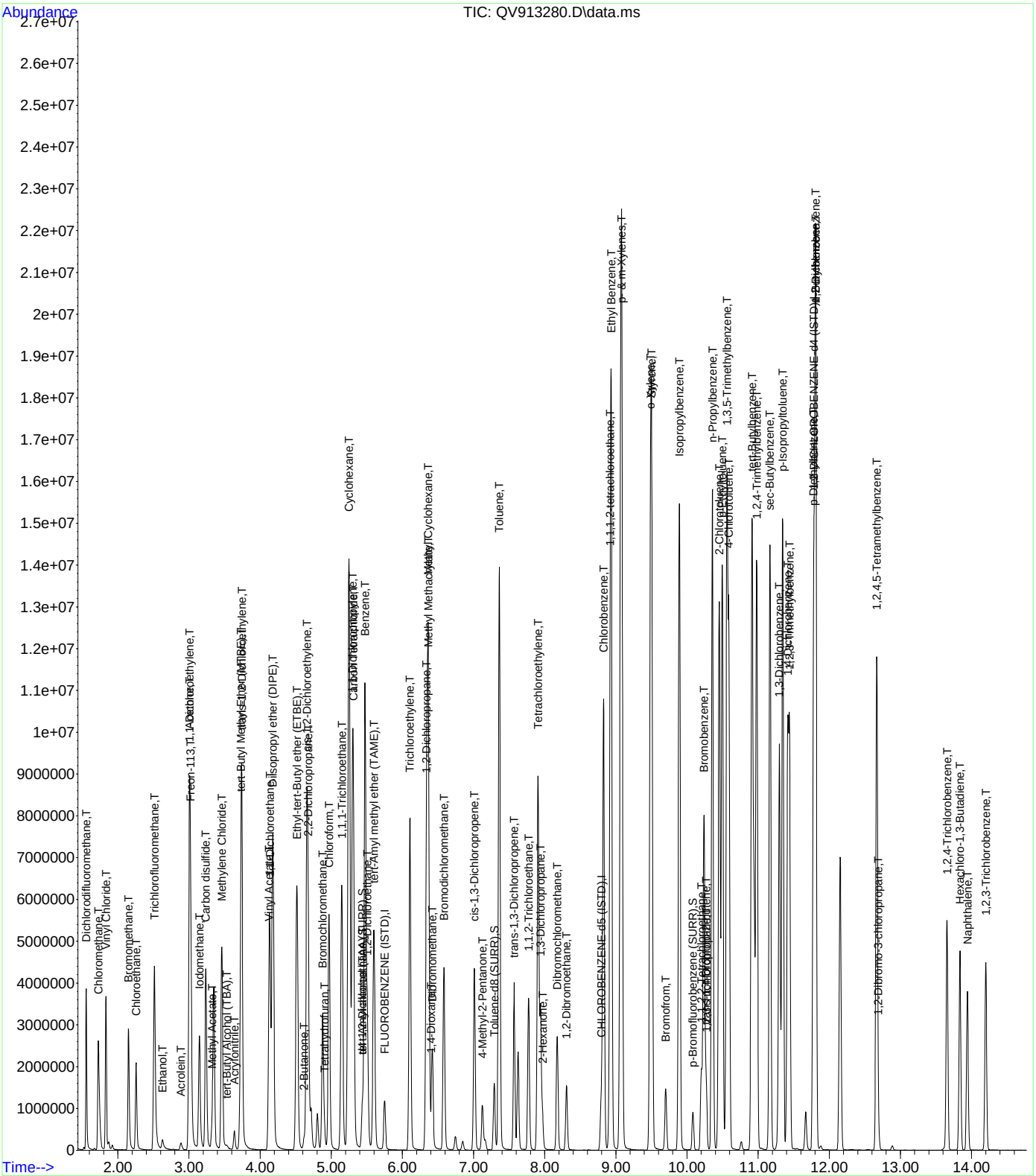
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	2462569	106.01	ppb	#	99
54) 1,1,2-Trichloroethane	7.772	97	1144444	101.64	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	2082351	105.14	ppb	#	68
56) Tetrachloroethylene	7.906	166	2584269	157.93	ppb	#	100
57) 2-Hexanone	7.969	43	506068	108.29	ppb	#	1
58) Dibromochloromethane	8.176	129	1433240	103.65	ppb	#	84
59) 1,2-Dibromoethane	8.304	107	1087129	101.26	ppb		93
60) Chlorobenzene	8.827	112	6061063	131.16	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.920	131	2021342	121.34	ppb	#	44
62) Ethyl Benzene	8.934	91	11775259	140.64	ppb		95
63) p- & m-Xylenes	9.077	91	18557313	277.25	ppb		92
64) o-Xylene	9.486	91	9137266	131.41	ppb		96
65) Styrene	9.504	104	6196478	124.27	ppb	#	82
66) Bromofrom	9.701	173	703878	93.93	ppb	#	81
68) p-Ethyltoluene	10.495	105	10072884	155.04	ppb	#	97
69) Isopropylbenzene	9.893	105	11752982	162.66	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.201	83	1022080	107.25	ppb	#	65
72) Bromobenzene	10.236	77	3900604	133.23	ppb	#	73
73) trans-1,4-Dichloro-2-b...	10.268	75	1427054m	183.89	ppb		
74) 1,2,3-Trichloropropane	10.271	110	298885	98.46	ppb	#	1
75) n-Propylbenzene	10.358	91	13882395	168.13	ppb	#	90
76) 2-Chlorotoluene	10.454	91	8153341	152.57	ppb		98
77) 4-Chlorotoluene	10.585	91	9251143	152.46	ppb		95
78) 1,3,5-Trimethylbenzene	10.562	105	9414141	153.25	ppb	#	59
79) tert-Butylbenzene	10.913	119	8866459	157.47	ppb	#	93
80) 1,2,4-Trimethylbenzene	10.980	105	8960137	146.43	ppb		93
81) sec-Butylbenzene	11.163	105	11184365	169.81	ppb	#	93
82) 1,3-Dichlorobenzene	11.297	146	4189045	155.83	ppb		93
83) p-Isopropyltoluene	11.343	119	9445151	161.47	ppb		95
84) 1,4-Dichlorobenzene	11.416	146	3966015	149.49	ppb		92
85) 1,2,3-Trimethylbenzene	11.439	105	6050401	109.54	ppb	#	90
86) p-Diethylbenzene	11.779	105	4747656	161.85	ppb	#	52
87) 1,2-Dichlorobenzene	11.805	146	3086653	139.84	ppb	#	100
88) n-Butylbenzene	11.805	91	9563344m	156.58	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	226326	131.23	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	7038133	155.73	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.656	180	1816102	204.60	ppb	#	9
92) Hexachloro-1,3-Butadiene	13.837	225	1018064	196.65	ppb	#	65
93) Naphthalene	13.941	128	3115582	200.61	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.200	180	1438208	276.83	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913280.D
Acq On : 26 Aug 2020 5:43 am
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9081920A
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Aug 26 09:57:04 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913281.D
Acq On : 26 Aug 2020 6:09 am
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9081920A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 09:54:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	207291	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	721237	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	187988	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	183255	7.70	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 77.00%				
51) Toluene-d8 (SURR)	7.292	98	1044878	11.04	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 110.40%				
70) p-Bromofluorobenzene (...	10.082	95	339737	10.75	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 107.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	3121002	248.68	ppb	#	1
3) Chloromethane	1.725	50	4235274	242.32	ppb		92
4) Vinyl Chloride	1.829	62	3694692	283.48	ppb	#	98
5) Bromomethane	2.149	94	2033061	219.76	ppb		98
6) Chloroethane	2.253	64	2125093	264.44	ppb	#	20
7) Trichlorofluoromethane	2.515	101	5283433	224.20	ppb	#	19
8) Ethanol	2.628	45	373916	7706.27	ppb	#	1
9) Freon-113	3.024	101	3013469	229.99	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	5660585	253.09	ppb	#	83
11) Acrolein	2.884	56	160088	134.63	ppb	#	1
12) Acetone	3.006	43	299258	147.13	ppb	#	1
13) Iodomethane	3.146	142	3764796	235.37	ppb	#	73
14) Methyl Acetate	3.323	43	705604	136.31	ppb	#	1
15) Carbon disulfide	3.236	76	8085154	216.02	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.535	59	113825	108.68	ppb	#	1
17) Methylene Chloride	3.459	49	4101430	228.15	ppb	#	88
18) Acrylonitrile	3.637	53	455212m	168.43	ppb		
19) trans-1,2-Dichloroethy...	3.738	61	5357569	237.10	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	4882517	110.37	ppb	#	95
21) 1,1-Dichloroethane	4.134	63	6951093	222.65	ppb	#	99
22) Vinyl Acetate	4.122	43	2045245	134.92	ppb	#	1
23) Diisopropyl ether (DIPE)	4.180	45	9970236	201.63	ppb	#	55
24) Ethyl-tert-Butyl ether...	4.517	59	8810571	148.06	ppb	#	95
25) cis-1,2-Dichloroethylene	4.654	61	5993253	212.48	ppb	#	88
26) 2-Butanone	4.619	72	94958	96.69	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	4837689	157.54	ppb	#	87
28) Tetrahydrofuran	4.904	42	288447	146.56	ppb	#	1
29) Bromochloromethane	4.875	49	2227827	206.95	ppb	#	58
30) Chloroform	4.968	83	5908020	165.34	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	6133118	188.35	ppb	#	26
32) Cyclohexane	5.247	56	6657914m	117.56	ppb		
33) 1,1-Dichloropropylene	5.296	75	4933230	204.82	ppb	#	50
35) Carbon Tetrachloride	5.313	117	5244018	198.04	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	814490	881.05	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	3372205	146.73	ppb	#	100
38) Benzene	5.473	78	12969062	183.18	ppb	#	95
39) tert-Amyl methyl ether...	5.601	73	5758840	113.14	ppb	#	1
41) Trichloroethylene	6.104	95	3709002	215.47	ppb	#	74
42) Methyl Cyclohexane	6.362	83	6133846	248.89	ppb	#	46
43) Methyl Methacrylate	6.365	69	2066646	177.49	ppb	#	98
44) Dibromomethane	6.421	93	1179399	148.75	ppb	#	89
45) Bromodichloromethane	6.583	83	3968412	166.94	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	3400710	221.65	ppb	#	93
47) 1,4-Dioxane	6.400	88	163523	2658.29	ppb	#	86
49) cis-1,3-Dichloropropene	7.013	75	4470999	165.82	ppb	#	52
50) 4-Methyl-2-Pentanone	7.124	43	1072443	148.58	ppb	#	66
52) Toluene	7.365	91	14080698	195.20	ppb		99

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913281.D
Acq On : 26 Aug 2020 6:09 am
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9081920A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 09:54:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

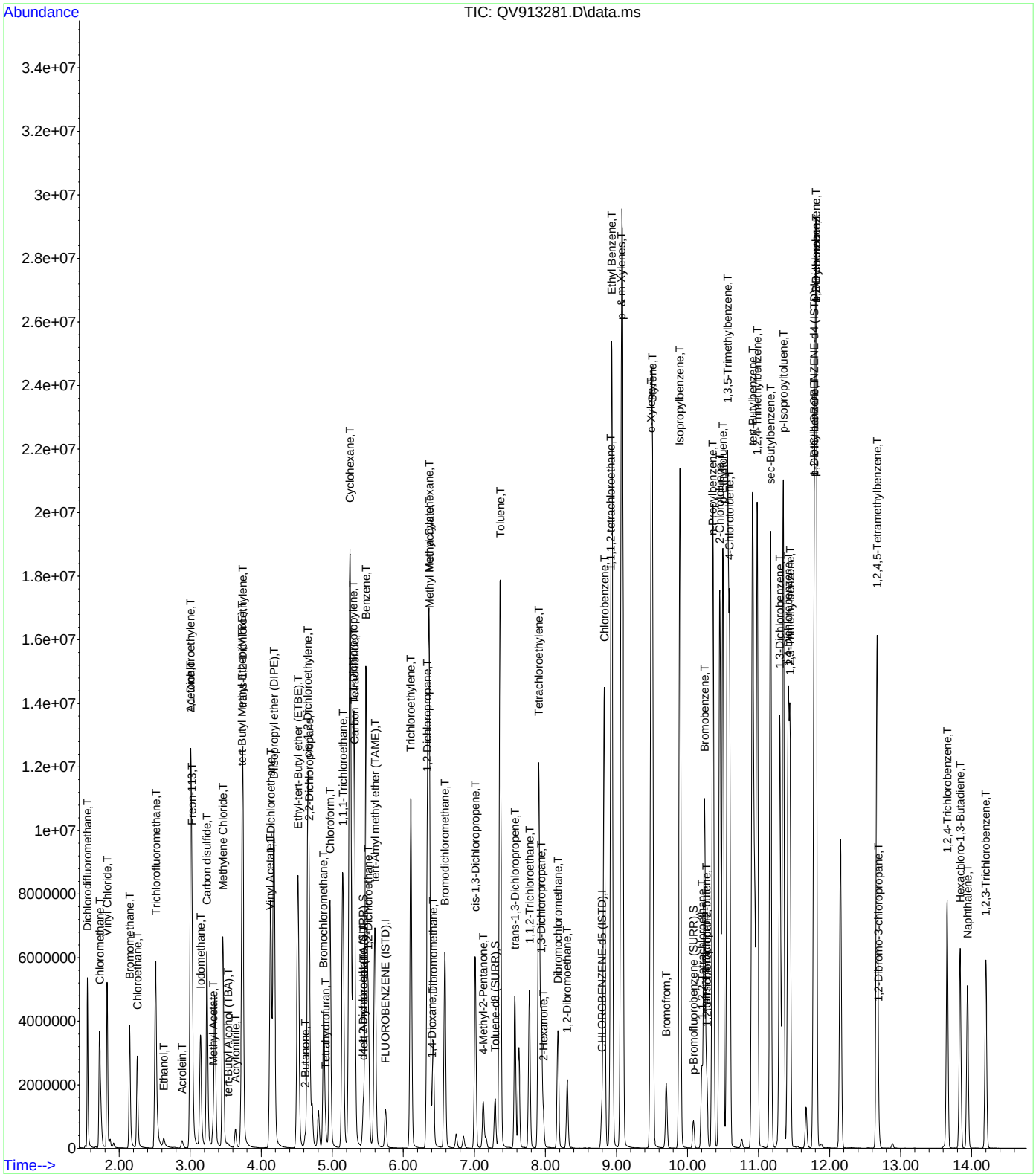
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.571	75	3375409	145.36	ppb	#	99
54) 1,1,2-Trichloroethane	7.775	97	1553307	138.01	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	2829082	142.90	ppb	#	68
56) Tetrachloroethylene	7.906	166	3523028	215.39	ppb	#	100
57) 2-Hexanone	7.970	43	668288	143.05	ppb	#	1
58) Dibromochloromethane	8.176	129	1948977	141.00	ppb	#	84
59) 1,2-Dibromoethane	8.307	107	1470908	137.06	ppb		93
60) Chlorobenzene	8.830	112	8245728	178.50	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.920	131	2745700	164.88	ppb	#	45
62) Ethyl Benzene	8.931	91	15491425	185.10	ppb		96
63) p- & m-Xylenes	9.068	91	22570662m	337.33	ppb		
64) o-Xylene	9.486	91	12455854	179.21	ppb		95
65) Styrene	9.507	104	8374989	168.02	ppb	#	82
66) Bromofrom	9.701	173	959613	128.11	ppb	#	81
68) p-Ethyltoluene	10.495	105	13567980	209.24	ppb	#	100
69) Isopropylbenzene	9.890	105	15635242	216.80	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.201	83	1367119	143.74	ppb	#	65
72) Bromobenzene	10.239	77	5250916	179.70	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.265	75	1899900	245.29	ppb	#	53
74) 1,2,3-Trichloropropane	10.271	110	401502	132.52	ppb	#	1
75) n-Propylbenzene	10.352	91	17372150m	210.80	ppb		
76) 2-Chlorotoluene	10.454	91	11048597	207.15	ppb		97
77) 4-Chlorotoluene	10.591	91	12521004	206.75	ppb		95
78) 1,3,5-Trimethylbenzene	10.565	105	12705004	207.23	ppb	#	59
79) tert-Butylbenzene	10.916	119	12175070	216.65	ppb	#	94
80) 1,2,4-Trimethylbenzene	10.980	105	12514535	204.92	ppb		92
81) sec-Butylbenzene	11.169	105	15197961	231.20	ppb	#	92
82) 1,3-Dichlorobenzene	11.300	146	5809810	216.54	ppb		93
83) p-Isopropyltoluene	11.349	119	13088337	224.18	ppb		94
84) 1,4-Dichlorobenzene	11.416	146	5508006	208.02	ppb		92
85) 1,2,3-Trimethylbenzene	11.442	105	8099106	146.91	ppb	#	90
86) p-Diethylbenzene	11.782	105	6438630	219.92	ppb	#	51
87) 1,2-Dichlorobenzene	11.808	146	4172055	189.38	ppb	#	100
88) n-Butylbenzene	11.811	91	12777268m	209.61	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	309387	179.74	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.668	119	9598232	212.78	ppb	#	90
91) 1,2,4-Trichlorobenzene	13.656	180	2518477	284.28	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.840	225	1399336	270.82	ppb	#	65
93) Naphthalene	13.941	128	4256070	274.57	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	1964777	378.92	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913281.D
Acq On : 26 Aug 2020 6:09 am
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9081920A
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Aug 26 09:54:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO028.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Jun 29 18:15:35 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	50.0	35.5	-28.9	30.00
1,1,1-Trichloroethane	50.0	46.7	-6.5	30.00
1,1,2,2-Tetrachloroethane	50.0	46.3	-7.5	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	49.7	-0.6	30.00
1,1,2-Trichloroethane	50.0	44.3	-11.5	30.00
1,1-Dichloroethane	50.0	45.1	-9.8	30.00
1,1-Dichloroethylene	50.0	48.2	-3.6	30.00
1,2,3-Trichlorobenzene	50.0	46.7	-6.7	30.00
1,2,3-Trichloropropane	50.0	44.0	-12.1	30.00
1,2,4-Trichlorobenzene	50.0	44.9	-10.3	30.00
1,2,4-Trimethylbenzene	50.0	43.6	-12.7	30.00
1,2-Dibromo-3-chloropropane	50.0	47.2	-5.5	30.00
1,2-Dibromoethane	50.0	45.6	-8.7	30.00
1,2-Dichlorobenzene	50.0	44.2	-11.6	30.00
1,2-Dichloroethane	50.0	45.2	-9.7	30.00
1,2-Dichloropropane	50.0	44.5	-11.0	30.00
1,3,5-Trimethylbenzene	50.0	45.4	-9.3	30.00
1,3-Dichlorobenzene	50.0	43.7	-12.6	30.00
1,4-Dichlorobenzene	50.0	43.4	-13.1	30.00
1,4-Dioxane	1050	1060	1.4	30.00
2-Butanone	50.0	52.2	4.4	30.00
2-Hexanone	50.0	46.6	-6.8	30.00
4-Methyl-2-pentanone	50.0	47.2	-5.6	30.00
Acetone	50.0	32.7	-34.6 *	30.00
Acrolein	50.0	37.2	-25.5	30.00
Acrylonitrile	50.0	48.7	-2.6	30.00
Benzene	50.0	46.4	-7.1	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Bromochloromethane	50.0	45.8	-8.5	30.00
Bromodichloromethane	50.0	46.2	-7.6	30.00
Bromoform	50.0	36.2	-27.7	30.00
Bromomethane	50.0	54.3	8.6	30.00
Carbon disulfide	50.0	51.2	2.4	30.00
Carbon tetrachloride	50.0	46.6	-6.7	30.00
Chlorobenzene	50.0	45.1	-9.8	30.00
Chloroethane	50.0	47.4	-5.3	30.00
Chloroform	50.0	45.5	-9.0	30.00
Chloromethane	50.0	59.3	18.6	30.00
cis-1,2-Dichloroethylene	50.0	45.2	-9.7	30.00
cis-1,3-Dichloropropylene	50.0	45.9	-8.2	30.00
Cyclohexane	50.0	49.3	-1.4	30.00
Dibromochloromethane	50.0	47.9	-4.2	30.00
Dibromomethane	50.0	44.4	-11.2	30.00
Dichlorodifluoromethane	50.0	49.6	-0.7	30.00
Ethyl Benzene	50.0	45.0	-10.0	30.00
Hexachlorobutadiene	50.0	48.0	-4.0	30.00
Isopropylbenzene	50.0	44.0	-11.9	30.00
Methyl acetate	50.0	44.9	-10.1	30.00
Methyl tert-butyl ether (MTBE)	50.0	48.1	-3.8	30.00
Methylcyclohexane	50.0	49.7	-0.7	30.00
Methylene chloride	50.0	48.1	-3.8	30.00
n-Butylbenzene	50.0	46.3	-7.4	30.00
n-Propylbenzene	50.0	44.0	-12.1	30.00
o-Xylene	50.0	44.9	-10.2	30.00
p- & m- Xylenes	100	90.9	-9.1	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Calibration: YH00003 **Laboratory ID:** Y0H0722-SCV1

Sequence: Y0H0722 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
p-Isopropyltoluene	50.0	45.6	-8.7	30.00
sec-Butylbenzene	50.0	48.1	-3.8	30.00
Styrene	50.0	45.6	-8.9	30.00
tert-Butyl alcohol (TBA)	250	238	-4.8	30.00
tert-Butylbenzene	50.0	44.5	-10.9	30.00
Tetrachloroethylene	50.0	40.9	-18.3	30.00
Toluene	50.0	45.3	-9.5	30.00
trans-1,2-Dichloroethylene	50.0	47.8	-4.4	30.00
trans-1,3-Dichloropropylene	50.0	45.9	-8.2	30.00
trans-1,4-dichloro-2-butene	50.0	44.7	-10.6	30.00
Trichloroethylene	50.0	46.9	-6.2	30.00
Trichlorofluoromethane	50.0	47.2	-5.6	30.00
Vinyl Chloride	50.0	53.3	6.5	30.00

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	573258	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2048628	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	985291	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	888015	49.59	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery =	99.18%			
54) Toluene-d8 (SURR)	6.369	98	2739872	49.93	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery =	99.86%			
73) p-Bromofluorobenzene (...	9.106	95	1133457	49.45	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	98.90%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	354542	49.65	ppb	#	86
3) Chloromethane	1.291	50	662438	59.30	ppb	#	73
4) Vinyl Chloride	1.338	62	557192	53.26	ppb		100
5) Bromomethane	1.580	94	240395	54.31	ppb		98
6) Allyl Chloride	2.615	76	211622	46.63	ppb	#	100
7) Chloroethane	1.658	64	279618	47.37	ppb		99
8) Trichlorofluoromethane	1.839	101	875579	47.21	ppb		97
10) Freon-113	2.265	101	451890	49.70	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	713249	48.18	ppb		91
12) Acrolein	2.251	56	18485	37.25	ppb		95
13) Acetone	2.393	43	105638	32.68	ppb	#	21
14) Iodomethane	2.434	142	395036	51.64	ppb	#	20
15) Methyl Acetate	2.657	43	268994	44.94	ppb		95
16) Carbon disulfide	2.471	76	1185254	51.22	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	165703	238.06	ppb	#	1
18) Methylene Chloride	2.740	49	567343	48.08	ppb		86
19) Acrylonitrile	3.002	53	100423	48.69	ppb		97
20) trans-1,2-Dichloroethy...	2.952	61	629215	47.81	ppb		91
21) tert-Butyl Methyl Ethe...	2.941	73	1060557	48.09	ppb		99
22) 1,1-Dichloroethane	3.336	63	777733	45.09	ppb	#	99
23) Vinyl Acetate	3.386	43	350825m	30.22	ppb		
24) Diisopropyl ether (DIPE)	3.353	45	1459082	45.29	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.675	59	1311310	47.27	ppb	#	97
26) cis-1,2-Dichloroethylene	3.862	61	702413	45.15	ppb		89
27) 2-Butanone	3.903	72	32286m	52.19	ppb		
28) 2,2-Dichloropropane	3.828	77	715717	46.13	ppb	#	87
29) Tetrahydrofuran	4.120	42	108933	47.51	ppb	#	73
30) Bromochloromethane	4.087	49	355631	45.75	ppb	#	61
31) Chloroform	4.159	83	749318	45.48	ppb	#	72
32) 1,1,1-Trichloroethane	4.276	97	724046	46.74	ppb	#	85
33) Cyclohexane	4.285	56	813152	49.32	ppb		87
34) 1,1-Dichloropropylene	4.421	75	627888	46.59	ppb		82
36) Carbon Tetrachloride	4.410	117	548730	46.63	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	318447	535.64	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	585268	45.17	ppb		99
39) Benzene	4.616	78	1568570	46.43	ppb	#	84
40) tert-Amyl methyl ether...	4.696	73	1261089	49.83	ppb	#	90
42) Trichloroethylene	5.214	95	426915	46.89	ppb		81
43) Methyl Cyclohexane	5.336	83	795275	49.66	ppb	#	74
44) Methyl Methacrylate	5.551	69	214432	47.34	ppb	#	81
45) Dibromomethane	5.578	93	205958	44.42	ppb		91
46) Bromodichloromethane	5.731	83	521598	46.20	ppb		98
47) 1,2-Dichloropropane	5.445	63	393264	44.51	ppb	#	81
48) 1,4-Dioxane	5.601	88	64748	1064.19	ppb		85
49) 2-Chloroethyl vinyl ether	6.010	63	243257	66.05	ppb		96
50) 2-nitropropane	5.979	43	21695m	35.47	ppb		
51) cis-1,3-Dichloropropene	6.143	75	640318	45.91	ppb		88
52) ethyl methacrylate	6.764	69	430935	48.14	ppb	#	100

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

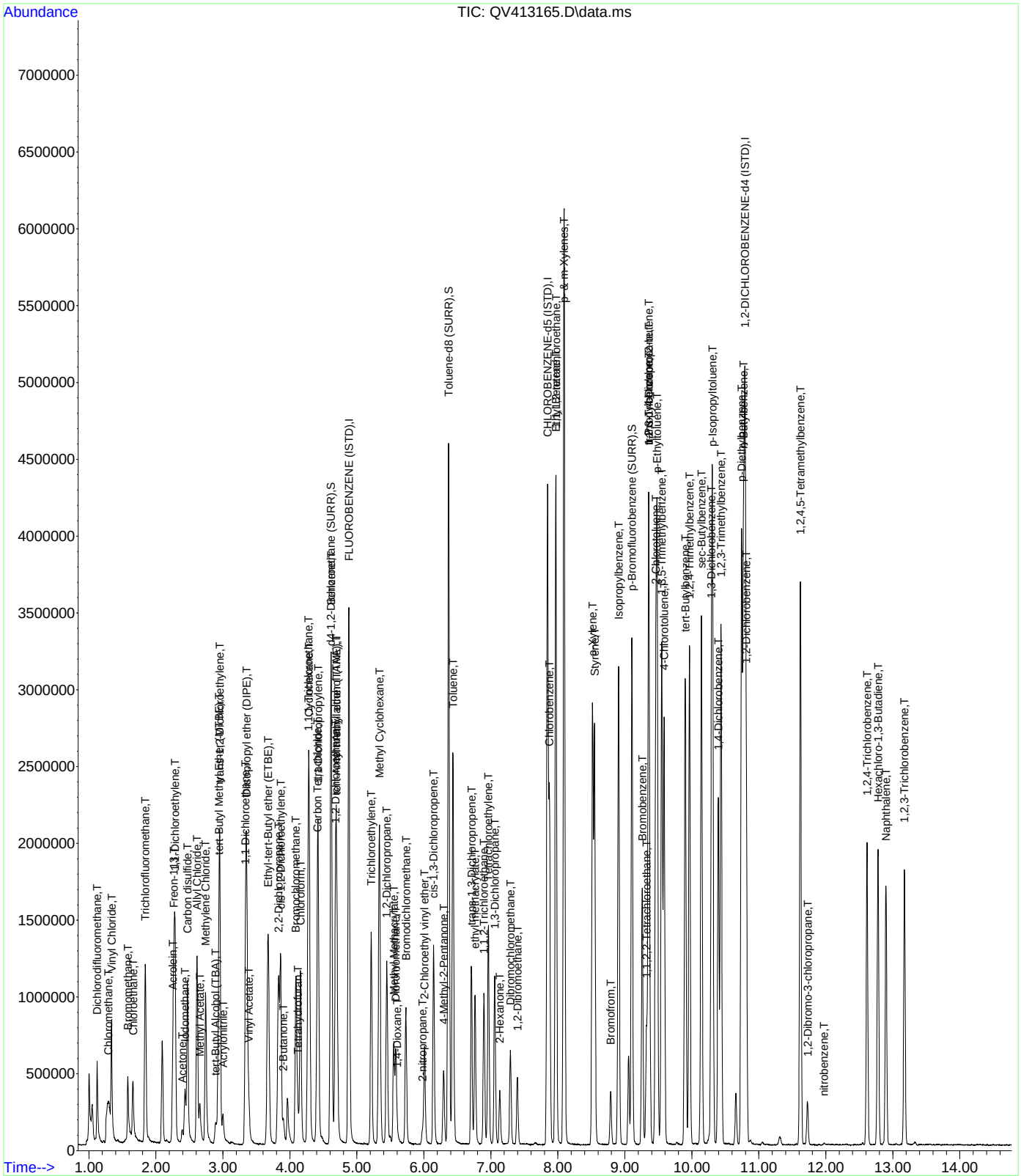
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.296	43	338329	47.20	ppb	#	86
55) Toluene	6.435	91	1694584	45.27	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	577836	45.89	ppb	#	91
57) 1,1,2-Trichloroethane	6.894	97	270869	44.26	ppb		91
58) 1,3-Dichloropropane	7.056	76	547413	45.21	ppb	#	73
59) Tetrachloroethylene	6.961	166	329210	40.87	ppb	#	77
60) 2-Hexanone	7.131	43	236035	46.58	ppb		92
61) Dibromochloromethane	7.289	129	304876	47.92	ppb		97
62) 1,2-Dibromoethane	7.395	107	288876	45.64	ppb		98
63) Chlorobenzene	7.874	112	1032957	45.10	ppb	#	84
64) 1,1,1,2-tetrachloroethane	7.971	131	331557	35.54	ppb	#	53
65) Ethyl Benzene	7.968	91	2098979	44.99	ppb		94
66) p- & m-Xylenes	8.091	91	3400222	90.89	ppb		90
67) o-Xylene	8.516	91	1664665	44.89	ppb		96
68) Styrene	8.547	104	1168410	45.55	ppb	#	100
69) Bromofrom	8.786	173	143845	36.17	ppb		99
71) p-Ethyltoluene	9.482	105	2302898	50.91	ppb	#	97
72) Isopropylbenzene	8.906	105	2027777	44.03	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.323	83	362456	46.27	ppb	#	100
75) Bromobenzene	9.259	77	753868	44.72	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.357	75	448796	44.71	ppb	#	56
77) 1,2,3-Trichloropropane	9.357	110	118528	43.97	ppb		89
78) n-Propylbenzene	9.357	91	2628789	43.95	ppb		94
79) 2-Chlorotoluene	9.462	91	1773600	45.06	ppb		97
80) 4-Chlorotoluene	9.585	91	1598298	40.38	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	1805420	45.35	ppb		90
82) tert-Butylbenzene	9.902	119	1486150	44.54	ppb		83
83) 1,2,4-Trimethylbenzene	9.963	105	1789867	43.64	ppb		87
84) sec-Butylbenzene	10.144	105	2405169	48.11	ppb		93
86) 1,3-Dichlorobenzene	10.291	146	805095	43.70	ppb	#	88
87) p-Isopropyltoluene	10.308	119	2061148	45.65	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	775101	43.44	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.436	105	1952323	53.93	ppb		92
90) nitrobenzene	11.969	77	3417m	38.29	ppb		
91) p-Diethylbenzene	10.742	105	1307356	55.20	ppb		95
92) 1,2-Dichlorobenzene	10.812	146	746307	44.21	ppb	#	88
93) n-Butylbenzene	10.770	91	2455909m	46.32	ppb		
94) 1,2-Dibromo-3-chloropr...	11.730	75	77787	47.24	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1984252	50.11	ppb		90
96) 1,2,4-Trichlorobenzene	12.615	180	496057	44.86	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	316252	47.98	ppb	#	77
98) Naphthalene	12.898	128	1243231	46.55	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	446191	46.66	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080420\
Data File : QV413165.D
Acq On : 4 Aug 2020 8:37 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV4080420A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 07 10:30:35 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Calibration: YH00005 **Laboratory ID:** Y0H1032-SCV1

Sequence: Y0H1032 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	50.0	53.7	7.4	30.00
1,1,1-Trichloroethane	50.0	54.0	7.9	30.00
1,1,2,2-Tetrachloroethane	50.0	53.8	7.6	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	50.0	55.0	9.9	30.00
1,1,2-Trichloroethane	50.0	51.9	3.7	30.00
1,1-Dichloroethane	50.0	51.2	2.3	30.00
1,1-Dichloroethylene	50.0	55.8	11.6	30.00
1,2,3-Trichlorobenzene	50.0	53.2	6.4	30.00
1,2,3-Trichloropropane	50.0	52.0	4.1	30.00
1,2,4-Trichlorobenzene	50.0	53.6	7.3	30.00
1,2,4-Trimethylbenzene	50.0	53.6	7.3	30.00
1,2-Dibromo-3-chloropropane	50.0	53.0	6.1	30.00
1,2-Dibromoethane	50.0	52.9	5.8	30.00
1,2-Dichlorobenzene	50.0	51.2	2.3	30.00
1,2-Dichloroethane	50.0	52.2	4.4	30.00
1,2-Dichloropropane	50.0	51.9	3.8	30.00
1,3,5-Trimethylbenzene	50.0	53.5	6.9	30.00
1,3-Dichlorobenzene	50.0	51.3	2.7	30.00
1,4-Dichlorobenzene	50.0	51.5	2.9	30.00
1,4-Dioxane	1050	1190	13.2	30.00
2-Butanone	50.0	55.3	10.6	30.00
2-Hexanone	50.0	54.2	8.3	30.00
4-Methyl-2-pentanone	50.0	53.6	7.2	30.00
Acetone	50.0	42.8	-14.4	30.00
Acrolein	50.0	24.0	-52.0 *	30.00
Acrylonitrile	50.0	53.3	6.5	30.00
Benzene	50.0	53.8	7.6	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Calibration: YH00005 **Laboratory ID:** Y0H1032-SCV1

Sequence: Y0H1032 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Bromochloromethane	50.0	52.7	5.4	30.00
Bromodichloromethane	50.0	53.6	7.2	30.00
Bromoform	50.0	55.1	10.2	30.00
Bromomethane	50.0	59.7	19.4	30.00
Carbon disulfide	50.0	57.2	14.3	30.00
Carbon tetrachloride	50.0	53.2	6.3	30.00
Chlorobenzene	50.0	52.0	4.0	30.00
Chloroethane	50.0	58.4	16.9	30.00
Chloroform	50.0	52.0	4.0	30.00
Chloromethane	50.0	64.7	29.3	30.00
cis-1,2-Dichloroethylene	50.0	52.8	5.7	30.00
cis-1,3-Dichloropropylene	50.0	53.5	7.0	30.00
Cyclohexane	50.0	56.5	13.0	30.00
Dibromochloromethane	50.0	55.3	10.6	30.00
Dibromomethane	50.0	51.4	2.9	30.00
Dichlorodifluoromethane	50.0	59.9	19.9	30.00
Ethyl Benzene	50.0	53.2	6.4	30.00
Hexachlorobutadiene	50.0	53.1	6.2	30.00
Isopropylbenzene	50.0	52.2	4.3	30.00
Methyl acetate	50.0	52.1	4.2	30.00
Methyl tert-butyl ether (MTBE)	50.0	55.3	10.7	30.00
Methylcyclohexane	50.0	56.4	12.7	30.00
Methylene chloride	50.0	54.6	9.1	30.00
n-Butylbenzene	50.0	52.6	5.2	30.00
n-Propylbenzene	50.0	52.1	4.2	30.00
o-Xylene	50.0	52.5	5.1	30.00
p- & m- Xylenes	100	106	5.6	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Calibration: YH00005 **Laboratory ID:** Y0H1032-SCV1

Sequence: Y0H1032 **Standard ID:** Y20G323

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
p-Isopropyltoluene	50.0	54.0	8.0	30.00
sec-Butylbenzene	50.0	55.5	11.0	30.00
Styrene	50.0	54.8	9.5	30.00
tert-Butyl alcohol (TBA)	250	260	4.2	30.00
tert-Butylbenzene	50.0	46.6	-6.9	30.00
Tetrachloroethylene	50.0	45.4	-9.3	30.00
Toluene	50.0	52.6	5.2	30.00
trans-1,2-Dichloroethylene	50.0	55.8	11.5	30.00
trans-1,3-Dichloropropylene	50.0	53.4	6.7	30.00
trans-1,4-dichloro-2-butene	50.0	52.1	4.1	30.00
Trichloroethylene	50.0	53.1	6.1	30.00
Trichlorofluoromethane	50.0	54.8	9.5	30.00
Vinyl Chloride	50.0	59.1	18.3	30.00

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115248.D
Acq On : 5 Aug 2020 8:53 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV1080520A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 10:19:04 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.007	70	651858	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2678788	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.925	152	1305420	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.699	65	993407	48.58	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery =	97.16%			
54) Toluene-d8 (SURR)	6.515	98	3264928	49.39	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery =	98.78%			
73) p-Bromofluorobenzene (...	9.236	95	1369461	49.51	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	99.02%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.190	85	377662	59.94	ppb		100
3) Chloromethane	1.329	50	564965	64.66	ppb		100
4) Vinyl Chloride	1.410	62	498481	59.13	ppb		100
5) Bromomethane	1.660	94	265805	59.70	ppb		98
6) Allyl Chloride	2.720	76	311077	52.16	ppb	#	100
7) Chloroethane	1.747	64	247673	58.43	ppb		99
8) Trichlorofluoromethane	1.955	101	756056	54.77	ppb		97
10) Freon-113	2.401	101	528531	54.95	ppb	#	92
11) 1,1-Dichloroethylene	2.401	61	950171	55.79	ppb		91
12) Acrolein	2.325	56	44722	23.98	ppb		95
13) Acetone	2.464	43	276034	42.82	ppb	#	42
14) Iodomethane	2.528	142	489743	60.89	ppb	#	20
15) Methyl Acetate	2.748	43	553680	52.12	ppb		97
16) Carbon disulfide	2.581	76	1716270	57.17	ppb		100
17) tert-Butyl Alcohol (TBA)	2.960	59	441362	260.50	ppb	#	1
18) Methylene Chloride	2.829	49	833172	54.56	ppb		94
19) Acrylonitrile	3.057	53	311941	53.26	ppb		96
20) trans-1,2-Dichloroethy...	3.068	61	949945	55.76	ppb	#	85
21) tert-Butyl Methyl Ethe...	3.077	73	1721757	55.34	ppb		98
22) 1,1-Dichloroethane	3.441	63	1117382	51.16	ppb	#	96
23) Vinyl Acetate	3.505	43	1288370	41.18	ppb		100
24) Diisopropyl ether (DIPE)	3.513	45	2004854	52.33	ppb	#	95
25) Ethyl-tert-Butyl ether...	3.836	59	2028708	55.25	ppb	#	97
26) cis-1,2-Dichloroethylene	3.959	61	1071464	52.84	ppb		93
27) 2-Butanone	3.984	72	96731	55.30	ppb		93
28) 2,2-Dichloropropane	3.956	77	791327	52.79	ppb	#	88
29) Tetrahydrofuran	4.217	42	224469	52.14	ppb		91
30) Bromochloromethane	4.173	49	564960	52.69	ppb		88
31) Chloroform	4.251	83	1053441	52.01	ppb	#	92
32) 1,1,1-Trichloroethane	4.409	97	920323	53.97	ppb	#	85
33) Cyclohexane	4.454	56	1240356	56.49	ppb		86
34) 1,1-Dichloropropylene	4.560	75	830638	53.03	ppb		85
36) Carbon Tetrachloride	4.557	117	734677	53.17	ppb		99
37) tert-Amyl alcohol (TAA)	4.774	59	709190	619.28	ppb	#	100
38) 1,2-Dichloroethane	4.768	62	891073	52.18	ppb		100
39) Benzene	4.749	78	2441008	53.81	ppb	#	97
40) tert-Amyl methyl ether...	4.857	73	1686720	56.80	ppb	#	89
42) Trichloroethylene	5.344	95	632254	53.07	ppb		89
43) Methyl Cyclohexane	5.522	83	1183812	56.37	ppb	#	79
44) Methyl Methacrylate	5.681	69	469267	52.65	ppb	#	81
45) Dibromomethane	5.670	93	383099	51.45	ppb	#	69
46) Bromodichloromethane	5.823	83	813999	53.58	ppb		98
47) 1,2-Dichloropropane	5.561	63	670848	51.92	ppb	#	81
48) 1,4-Dioxane	5.700	88	182570	1188.29	ppb		83
49) 2-Chloroethyl vinyl ether	6.120	63	480773	74.94	ppb		98
50) 2-nitropropane	6.048	43	127997	43.16	ppb	#	100
51) cis-1,3-Dichloropropene	6.257	75	971258	53.52	ppb		95
52) ethyl methacrylate	6.908	69	839349	54.49	ppb	#	100

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115248.D
Acq On : 5 Aug 2020 8:53 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV1080520A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 10:19:04 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

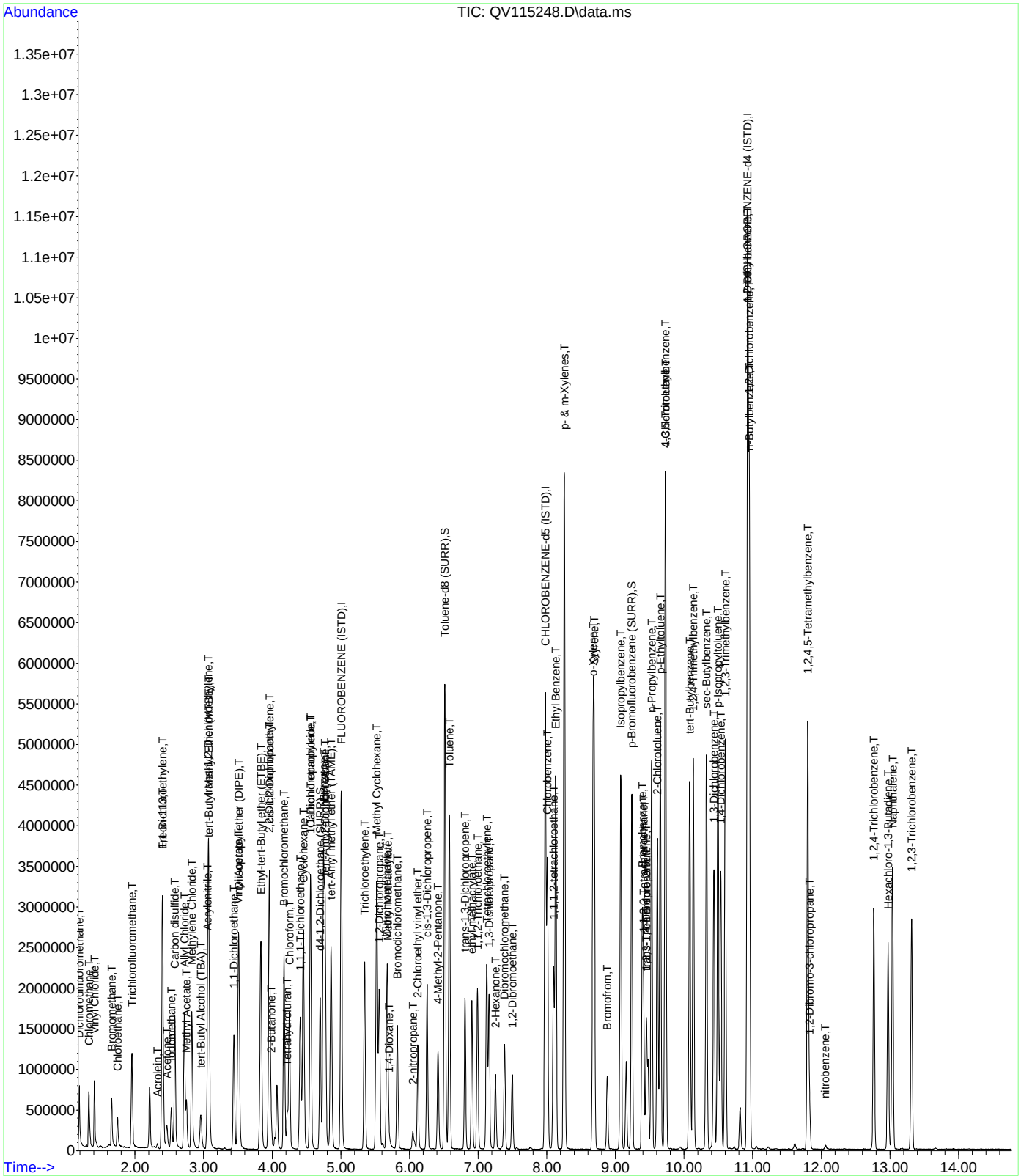
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.415	43	703703	53.58	ppb		96
55) Toluene	6.579	91	2606328	52.59	ppb		99
56) trans-1,3-Dichloropropene	6.808	75	847981	53.35	ppb		99
57) 1,1,2-Trichloroethane	6.994	97	547083	51.87	ppb		97
58) 1,3-Dichloropropane	7.161	76	958914	52.01	ppb	#	98
59) Tetrachloroethylene	7.128	166	563741	45.35	ppb		96
60) 2-Hexanone	7.253	43	511757	54.15	ppb		96
61) Dibromochloromethane	7.383	129	577892	55.28	ppb		96
62) 1,2-Dibromoethane	7.498	107	563007	52.92	ppb		98
63) Chlorobenzene	8.009	112	1675299	51.98	ppb		93
64) 1,1,1,2-tetrachloroethane	8.099	131	534713	53.72	ppb	#	55
65) Ethyl Benzene	8.129	91	2967828	53.18	ppb		99
66) p- & m-Xylenes	8.257	91	4455134	105.59	ppb		97
67) o-Xylene	8.674	91	2335493	52.54	ppb		98
68) Styrene	8.691	104	1902050	54.77	ppb	#	100
69) Bromofrom	8.880	173	339713	55.12	ppb	#	80
71) p-Ethyltoluene	9.654	105	3124949	59.09	ppb	#	100
72) Isopropylbenzene	9.078	105	2909215	52.16	ppb		97
74) 1,1,2,2-Tetrachloroethane	9.412	83	759659	53.81	ppb	#	100
75) Bromobenzene	9.392	77	1134801	52.06	ppb		81
76) trans-1,4-Dichloro-2-b...	9.451	75	810496	52.06	ppb		94
77) 1,2,3-Trichloropropane	9.451	110	231316	52.04	ppb		67
78) n-Propylbenzene	9.529	91	3473098	52.11	ppb		98
79) 2-Chlorotoluene	9.609	91	2039992	51.39	ppb		100
80) 4-Chlorotoluene	9.732	91	2371791	51.65	ppb		82
81) 1,3,5-Trimethylbenzene	9.726	105	2462094m	53.47	ppb		
82) tert-Butylbenzene	10.082	119	2091079	46.56	ppb		92
83) 1,2,4-Trimethylbenzene	10.135	105	2457216	53.63	ppb		93
84) sec-Butylbenzene	10.327	105	3249471	55.49	ppb		97
86) 1,3-Dichlorobenzene	10.436	146	1239528	51.33	ppb		95
87) p-Isopropyltoluene	10.494	119	2718503	54.00	ppb		97
88) 1,4-Dichlorobenzene	10.536	146	1246100	51.46	ppb		94
89) 1,2,3-Trimethylbenzene	10.603	105	2696180	62.46	ppb		98
90) nitrobenzene	12.055	77	21643	41.97	ppb	#	100
91) p-Diethylbenzene	10.925	105	1741885	64.45	ppb		94
92) 1,2-Dichlorobenzene	10.948	146	1194339m	51.15	ppb		
93) n-Butylbenzene	10.953	91	2919130m	52.61	ppb		
94) 1,2-Dibromo-3-chloropr...	11.827	75	171894	53.04	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.802	119	2594097	58.01	ppb		96
96) 1,2,4-Trichlorobenzene	12.764	180	800419	53.63	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.976	225	464815	53.09	ppb		86
98) Naphthalene	13.040	128	2490229	50.88	ppb		99
99) 1,2,3-Trichlorobenzene	13.315	180	776230	53.20	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115248.D
Acq On : 5 Aug 2020 8:53 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV1080520A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 07 10:19:04 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Calibration: YH00024 **Laboratory ID:** Y0H2624-SCV1

Sequence: Y0H2624 **Standard ID:** Y20H308

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	10.0	11.0	9.9	30.00
1,1,1-Trichloroethane	10.0	10.9	9.4	30.00
1,1,2,2-Tetrachloroethane	10.0	10.4	4.5	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11.7	17.1	30.00
1,1,2-Trichloroethane	10.0	10.7	6.6	30.00
1,1-Dichloroethane	10.0	10.8	8.0	30.00
1,1-Dichloroethylene	10.0	11.5	14.8	30.00
1,2,3-Trichlorobenzene	10.0	10.3	3.1	30.00
1,2,3-Trichloropropane	10.0	10.5	4.6	30.00
1,2,4-Trichlorobenzene	10.0	10.8	7.9	30.00
1,2,4-Trimethylbenzene	10.0	11.1	10.8	30.00
1,2-Dibromo-3-chloropropane	10.0	9.93	-0.7	30.00
1,2-Dibromoethane	10.0	10.4	3.6	30.00
1,2-Dichlorobenzene	10.0	10.8	7.9	30.00
1,2-Dichloroethane	10.0	10.7	6.8	30.00
1,2-Dichloropropane	10.0	10.7	6.8	30.00
1,3,5-Trimethylbenzene	10.0	11.1	10.9	30.00
1,3-Dichlorobenzene	10.0	10.6	6.5	30.00
1,4-Dichlorobenzene	10.0	10.7	7.0	30.00
1,4-Dioxane	210	233	11.1	30.00
2-Butanone	10.0	10.8	7.7	30.00
2-Hexanone	10.0	10.9	9.2	30.00
4-Methyl-2-pentanone	10.0	10.2	1.8	30.00
Acetone	10.0	12.1	20.9	30.00
Acrolein	10.0	11.2	12.4	30.00
Acrylonitrile	10.0	9.97	-0.3	30.00
Benzene	10.0	11.4	14.1	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Calibration: YH00024 **Laboratory ID:** Y0H2624-SCV1

Sequence: Y0H2624 **Standard ID:** Y20H308

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Bromochloromethane	10.0	10.5	4.7	30.00
Bromodichloromethane	10.0	10.6	5.5	30.00
Bromoform	10.0	10.2	2.4	30.00
Bromomethane	10.0	10.6	6.4	30.00
Carbon disulfide	10.0	11.6	15.5	30.00
Carbon tetrachloride	10.0	11.2	11.9	30.00
Chlorobenzene	10.0	11.1	11.2	30.00
Chloroethane	10.0	11.0	9.6	30.00
Chloroform	10.0	10.8	8.1	30.00
Chloromethane	10.0	11.5	15.2	30.00
cis-1,2-Dichloroethylene	10.0	10.9	8.8	30.00
cis-1,3-Dichloropropylene	10.0	10.7	6.8	30.00
Cyclohexane	10.0	11.9	19.1	30.00
Dibromochloromethane	10.0	10.7	7.4	30.00
Dibromomethane	10.0	10.1	0.8	30.00
Dichlorodifluoromethane	10.0	12.2	21.6	30.00
Ethyl Benzene	10.0	11.4	14.0	30.00
Hexachlorobutadiene	10.0	11.4	14.3	30.00
Isopropylbenzene	10.0	10.9	8.6	30.00
Methyl acetate	10.0	9.12	-8.8	30.00
Methyl tert-butyl ether (MTBE)	10.0	10.8	8.5	30.00
Methylcyclohexane	10.0	11.6	15.8	30.00
Methylene chloride	10.0	11.0	10.4	30.00
n-Butylbenzene	10.0	11.2	11.7	30.00
n-Propylbenzene	10.0	11.1	10.8	30.00
o-Xylene	10.0	11.1	10.7	30.00
p- & m- Xylenes	20.0	22.5	12.4	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216
Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hy
Calibration: YH00024
Laboratory ID: Y0H2624-SCV1
Sequence: Y0H2624
Standard ID: Y20H308

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
p-Isopropyltoluene	10.0	11.2	12.2	30.00
sec-Butylbenzene	10.0	11.8	17.5	30.00
Styrene	10.0	11.6	16.1	30.00
tert-Butyl alcohol (TBA)	50.0	43.6	-12.9	30.00
tert-Butylbenzene	10.0	9.68	-3.2	30.00
Tetrachloroethylene	10.0	11.2	11.8	30.00
Toluene	10.0	11.2	12.3	30.00
trans-1,2-Dichloroethylene	10.0	11.7	16.7	30.00
trans-1,3-Dichloropropylene	10.0	10.1	1.0	30.00
trans-1,4-dichloro-2-butene	10.0	10.5	5.1	30.00
Trichloroethylene	10.0	11.2	12.3	30.00
Trichlorofluoromethane	10.0	11.8	17.9	30.00
Vinyl Chloride	10.0	11.8	17.6	30.00

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913284.D
Acq On : 26 Aug 2020 7:26 am
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9081920A
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 26 10:50:43 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	202793	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	736215	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	204573	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	178625	9.85	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 98.50%				
51) Toluene-d8 (SURR)	7.289	98	1040822	10.02	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 100.20%				
70) p-Bromofluorobenzene (...	10.079	95	354225	9.81	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 98.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	215002	12.16	ppb	#	1
3) Chloromethane	1.724	50	280672	11.52	ppb		92
4) Vinyl Chloride	1.832	62	248874	11.76	ppb	#	98
5) Bromomethane	2.149	94	118157	10.64	ppb		99
6) Chloroethane	2.259	64	135212	10.96	ppb	#	19
7) Trichlorofluoromethane	2.512	101	344170	11.79	ppb	#	19
9) Freon-113	3.023	101	199929	11.71	ppb	#	1
10) 1,1-Dichloroethylene	3.003	61	371581	11.48	ppb	#	83
11) Acrolein	2.878	56	9608	11.24	ppb	#	1
12) Acetone	3.012	43	22355	12.09	ppb	#	1
13) Iodomethane	3.148	142	265795	12.33	ppb	#	72
14) Methyl Acetate	3.323	43	38855	9.12	ppb	#	1
15) Carbon disulfide	3.233	76	525969	11.55	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	29166	43.55	ppb	#	1
17) Methylene Chloride	3.462	49	266776	11.04	ppb	#	88
18) Acrylonitrile	3.637	53	26237	9.97	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	356123	11.67	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	295482	10.85	ppb	#	94
21) 1,1-Dichloroethane	4.131	63	429472	10.80	ppb	#	99
22) Vinyl Acetate	4.119	43	108013	9.25	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	595736	10.20	ppb	#	56
24) Ethyl-tert-Butyl ether...	4.517	59	546763	11.20	ppb	#	95
25) cis-1,2-Dichloroethylene	4.654	61	376828	10.88	ppb	#	88
26) 2-Butanone	4.616	72	6221	10.77	ppb	#	1
27) 2,2-Dichloropropane	4.671	77	280443	10.43	ppb	#	83
28) Tetrahydrofuran	4.909	42	16661	9.86	ppb	#	1
29) Bromochloromethane	4.877	49	146126	10.47	ppb	#	33
30) Chloroform	4.965	83	363883	10.81	ppb	#	96
31) 1,1,1-Trichloroethane	5.145	97	370606	10.94	ppb	#	72
32) Cyclohexane	5.244	56	488087	11.91	ppb	#	73
33) 1,1-Dichloropropylene	5.296	75	318006	11.32	ppb	#	64
35) Carbon Tetrachloride	5.310	117	318544	11.19	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.438	59	47885	105.78	ppb	#	16
37) 1,2-Dichloroethane	5.502	62	204330	10.68	ppb	#	98
38) Benzene	5.470	78	862342	11.41	ppb	#	96
39) tert-Amyl methyl ether...	5.598	73	344229	10.82	ppb	#	1
41) Trichloroethylene	6.104	95	237117	11.23	ppb	#	75
42) Methyl Cyclohexane	6.357	83	411963	11.58	ppb	#	49
43) Methyl Methacrylate	6.362	69	130920	11.01	ppb	#	98
44) Dibromomethane	6.418	93	67682	10.08	ppb	#	89
45) Bromodichloromethane	6.583	83	236656	10.55	ppb	#	98
46) 1,2-Dichloropropane	6.333	63	218961	10.68	ppb	#	94
47) 1,4-Dioxane	6.394	88	10659	233.37	ppb	#	86
49) cis-1,3-Dichloropropene	7.008	75	271612	10.68	ppb	#	59
50) 4-Methyl-2-Pentanone	7.124	43	64097	10.18	ppb	#	70
52) Toluene	7.359	91	963443	11.23	ppb		100
53) trans-1,3-Dichloropropene	7.565	75	192044	10.10	ppb	#	88

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913284.D
Acq On : 26 Aug 2020 7:26 am
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9081920A
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 26 10:50:43 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

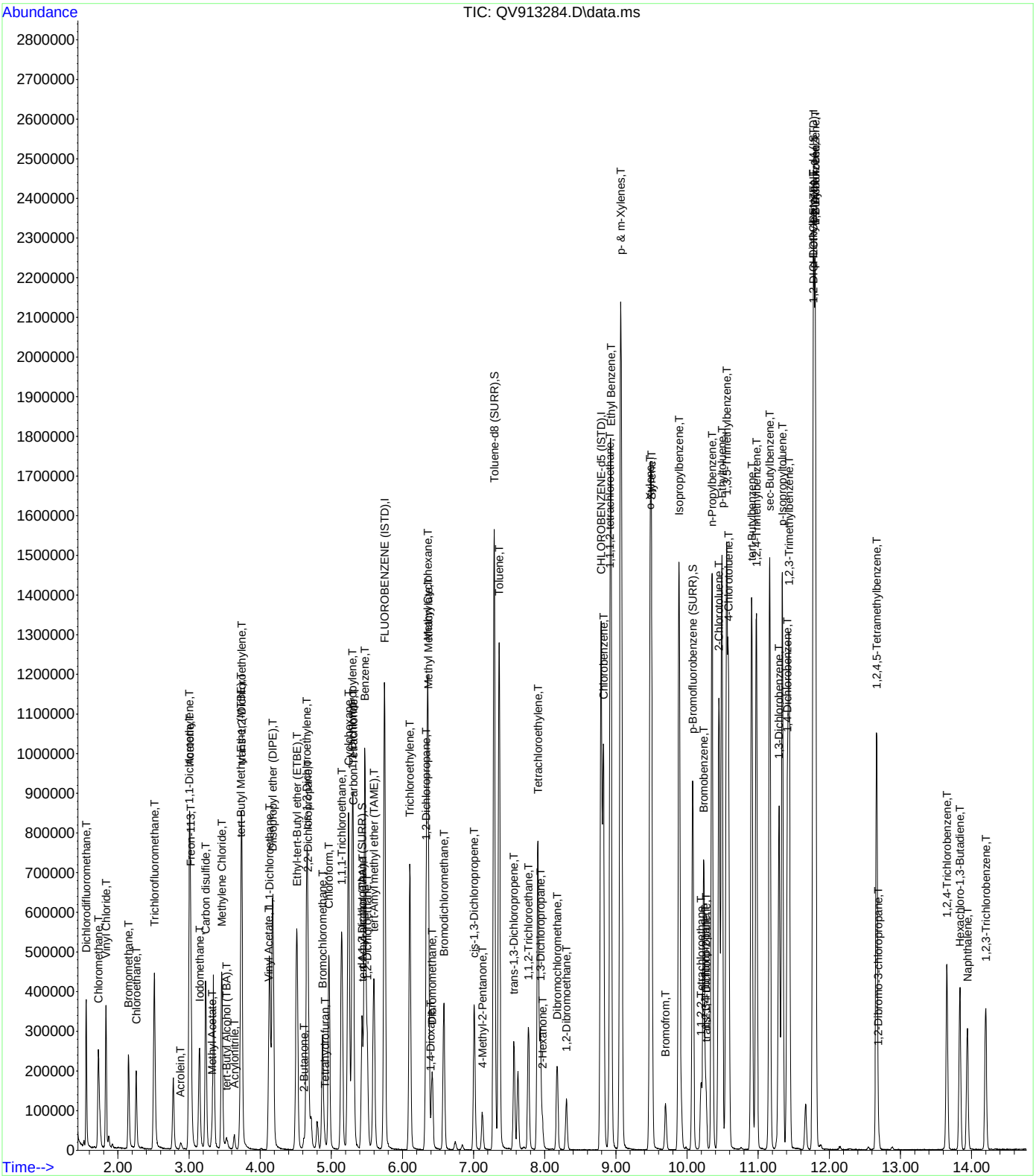
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.769	97	98697	10.66	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	174720	10.50	ppb	#	96
56) Tetrachloroethylene	7.905	166	233044	11.18	ppb	#	100
57) 2-Hexanone	7.966	43	42581	10.92	ppb	#	1
58) Dibromochloromethane	8.176	129	116188	10.74	ppb	#	84
59) 1,2-Dibromoethane	8.304	107	87947	10.36	ppb		92
60) Chlorobenzene	8.827	112	552037	11.12	ppb	#	87
61) 1,1,1,2-tetrachloroethane	8.917	131	179706	10.99	ppb	#	46
62) Ethyl Benzene	8.931	91	1117773	11.40	ppb		96
63) p- & m-Xylenes	9.068	91	1723791	22.49	ppb		93
64) o-Xylene	9.481	91	845907	11.07	ppb		96
65) Styrene	9.501	104	586672	11.61	ppb	#	82
66) Bromofrom	9.698	173	54189	10.24	ppb	#	94
68) p-Ethyltoluene	10.492	105	1015266	11.60	ppb	#	97
69) Isopropylbenzene	9.887	105	1096528	10.86	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.195	83	88016	10.45	ppb	#	65
72) Bromobenzene	10.233	77	348691	10.69	ppb	#	74
73) trans-1,4-Dichloro-2-b...	10.268	75	124116m	10.51	ppb		
74) 1,2,3-Trichloropropane	10.262	110	25707	10.46	ppb	#	1
75) n-Propylbenzene	10.352	91	1309388	11.08	ppb	#	90
76) 2-Chlorotoluene	10.448	91	752324	10.73	ppb		98
77) 4-Chlorotoluene	10.582	91	829311	10.63	ppb		95
78) 1,3,5-Trimethylbenzene	10.559	105	886814	11.09	ppb	#	62
79) tert-Butylbenzene	10.910	119	733987	9.68	ppb	#	86
80) 1,2,4-Trimethylbenzene	10.977	105	844270	11.08	ppb		94
81) sec-Butylbenzene	11.163	105	1117029	11.75	ppb	#	94
82) 1,3-Dichlorobenzene	11.294	146	377093	10.65	ppb		94
83) p-Isopropyltoluene	11.340	119	898473	11.22	ppb		96
84) 1,4-Dichlorobenzene	11.410	146	360398	10.70	ppb		92
85) 1,2,3-Trimethylbenzene	11.433	105	760467	14.98	ppb	#	91
86) p-Diethylbenzene	11.773	105	503616	12.45	ppb	#	62
87) 1,2-Dichlorobenzene	11.802	146	293146	10.79	ppb	#	100
88) n-Butylbenzene	11.802	91	900477m	11.17	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	18070	9.93	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.665	119	615480	10.82	ppb	#	92
91) 1,2,4-Trichlorobenzene	13.653	180	152590	10.79	ppb	#	8
92) Hexachloro-1,3-Butadiene	13.834	225	90142	11.43	ppb	#	66
93) Naphthalene	13.941	128	248878	9.99	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	116446	10.31	ppb	#	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913284.D
Acq On : 26 Aug 2020 7:26 am
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9081920A
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 26 10:50:43 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913647.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I1042	Injection Date:	09/08/20
Lab Sample ID:	Y0I1042-CCV1	Injection Time:	22:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	10.0	11.2	0.2221162	0.2489893		12.1	20	
1,1,1-Trichloroethane	A	10.0	9.85	1.67002	1.645745	0.1	-1.5	20	
1,1,2,2-Tetrachloroethane	A	10.0	10.4	0.4117028	0.4271222	0.3	3.7	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	8.66	0.8417352	0.7289691	0.1	-13.4	20	
1,1,2-Trichloroethane	A	10.0	10.4	0.1257684	0.1310061	0.1	4.2	20	
1,1-Dichloroethane	A	10.0	9.06	1.960854	1.77598	0.2	-9.4	20	
1,1-Dichloroethylene	A	10.0	7.49	1.595689	1.195259	0.1	-25.1	20	*
1,2,3-Trichlorobenzene	A	10.0	10.3	0.5521393	0.5687027		3.0	20	
1,2,3-Trichloropropane	A	10.0	11.2	0.12015	0.1341963		11.7	20	
1,2,4-Trichlorobenzene	A	10.0	10.7	0.6913543	0.7383531	0.2	6.8	20	
1,2,4-Trimethylbenzene	A	10.0	11.0	3.725981	4.104211		10.2	20	
1,2-Dibromo-3-chloropropane	A	10.0	10.4	8.894596E-02	9.272689E-02	0.05	4.3	20	
1,2-Dibromoethane	A	10.0	10.5	0.1153022	0.1215463	0.1	5.4	20	
1,2-Dichlorobenzene	A	10.0	11.2	1.328275	1.490221	0.4	12.2	20	
1,2-Dichloroethane	A	10.0	9.83	0.9431693	0.9274853	0.1	-1.7	20	
1,2-Dichloropropane	A	10.0	9.69	0.2785566	0.269823	0.1	-3.1	20	
1,3,5-Trimethylbenzene	A	10.0	11.0	3.907363	4.30801		10.3	20	
1,3-Dichlorobenzene	A	10.0	11.0	1.730532	1.907745	0.6	10.2	20	
1,4-Dichlorobenzene	A	10.0	11.3	1.645807	1.852847	0.5	12.6	20	
1,4-Dioxane	A	200	204	6.20386E-04	6.329943E-04		2.0	20	
2-Butanone	A	10.0	9.44	2.849649E-02	2.689142E-02	0.1	-5.6	20	
2-Hexanone	A	10.0	9.44	5.298744E-02	5.002572E-02	0.1	-5.6	20	
4-Methyl-2-pentanone	A	10.0	10.1	8.550734E-02	8.627595E-02	0.1	0.9	20	
Acetone	L	10.0	11.8	0.1438723	0.1073134	0.1	17.7	20	
Acrolein	A	10.0	4.95	4.214389E-02	2.086498E-02		-50.5	20	*
Acrylonitrile	A	10.0	9.11	0.1297412	0.1182203		-8.9	20	
Benzene	A	10.0	8.67	3.72665	3.229422	0.5	-13.3	20	
Bromochloromethane	A	10.0	8.38	0.6882402	0.5770853		-16.2	20	
Bromodichloromethane	A	10.0	10.6	0.304741	0.3216555	0.2	5.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913647.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I1042	Injection Date:	09/08/20
Lab Sample ID:	Y0I1042-CCV1	Injection Time:	22:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	A	10.0	10.4	7.188973E-02	7.445237E-02	0.1	3.6	20	
Bromomethane	A	10.0	3.99	0.5474592	0.2181802	0.1	-60.1	20	*
Carbon disulfide	A	10.0	4.39	2.246164	0.9856056	0.1	-56.1	20	*
Carbon tetrachloride	A	10.0	9.42	1.403138	1.321628	0.1	-5.8	20	
Chlorobenzene	A	10.0	10.4	0.6740761	0.7003964	0.5	3.9	20	
Chloroethane	A	10.0	9.50	0.608247	0.5777433	0.1	-5.0	20	
Chloroform	A	10.0	9.95	1.660497	1.652144	0.2	-0.5	20	
Chloromethane	A	10.0	7.70	1.201174	0.9244419	0.1	-23.0	20	*
cis-1,2-Dichloroethylene	A	10.0	9.00	1.707556	1.537636	0.1	-10.0	20	
cis-1,3-Dichloropropylene	A	10.0	9.78	0.3453457	0.3377805	0.2	-2.2	20	
Cyclohexane	L	10.0	9.05	2.247389	1.82905	0.1	-9.5	20	
Dibromochloromethane	A	10.0	10.7	0.1469266	0.1572268	0.1	7.0	20	
Dibromomethane	A	10.0	9.65	9.123417E-02	8.804483E-02		-3.5	20	
Dichlorodifluoromethane	A	10.0	8.08	0.8717251	0.7039367	0.1	-19.2	20	
Ethyl Benzene	A	10.0	10.6	1.331776	1.414076	0.1	6.2	20	
Hexachlorobutadiene	A	10.0	10.8	0.3856416	0.4159425		7.9	20	
Isopropylbenzene	A	10.0	10.9	4.937482	5.368728	0.1	8.7	20	
Methyl acetate	A	10.0	10.3	0.2101543	0.2159265	0.1	2.7	20	
Methyl tert-butyl ether (MTBE)	A	10.0	9.86	1.342444	1.324167	0.1	-1.4	20	
Methylcyclohexane	A	10.0	7.93	0.4832781	0.3831686	0.1	-20.7	20	*
Methylene chloride	A	10.0	7.93	1.191051	0.9443911	0.1	-20.7	20	*
n-Butylbenzene	A	10.0	10.2	3.939392	4.03125		2.3	20	
n-Propylbenzene	A	10.0	10.8	5.779159	6.263654		8.4	20	
o-Xylene	A	10.0	10.8	1.037678	1.11875	0.3	7.8	20	
p- & m- Xylenes	A	20.0	21.3	1.041078	1.109539	0.1	6.6	20	
p-Isopropyltoluene	A	10.0	11.1	3.914175	4.334476		10.7	20	
sec-Butylbenzene	A	10.0	11.0	4.645922	5.091697		9.6	20	
Styrene	A	10.0	10.9	0.6861538	0.7494706	0.3	9.2	20	
tert-Butyl alcohol (TBA)	L	10.0	9.26	4.023808E-02	3.059283E-02		-7.4	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913647.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I1042	Injection Date:	09/08/20
Lab Sample ID:	Y0I1042-CCV1	Injection Time:	22:51

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
tert-Butylbenzene	A	10.0	10.9	3.705221	4.027156		8.7	20	
Tetrachloroethylene	A	10.0	11.4	0.2832471	0.3233186	0.2	14.1	20	
Toluene	A	10.0	9.60	1.165704	1.119298	0.4	-4.0	20	
trans-1,2-Dichloroethylene	A	10.0	7.58	1.504407	1.140544	0.1	-24.2	20	*
trans-1,3-Dichloropropylene	A	10.0	10.2	0.2582602	0.2622457	0.1	1.5	20	
trans-1,4-dichloro-2-butene	A	10.0	10.1	0.5770014	0.5846325		1.3	20	
Trichloroethylene	A	10.0	9.42	0.2867988	0.2700691	0.2	-5.8	20	
Trichlorofluoromethane	A	10.0	10.8	1.439073	1.551302	0.1	7.8	20	
Vinyl Chloride	A	10.0	8.92	1.043492	0.9310112	0.1	-10.8	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913647.D
Acq On : 8 Sep 2020 10:51 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090820B
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 10 16:20:11 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	182363	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	633734	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	173887	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.429	65	172270	10.57	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 105.70%				
51) Toluene-d8 (SURR)	7.289	98	901105	10.08	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 100.80%				
70) p-Bromofluorobenzene (...	10.079	95	304551	9.92	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 99.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	128372	8.08	ppb	#	1
3) Chloromethane	1.724	50	168584	7.70	ppb		92
4) Vinyl Chloride	1.832	62	169782	8.92	ppb	#	98
5) Bromomethane	2.149	94	39788	3.99	ppb		97
6) Chloroethane	2.256	64	105359	9.50	ppb	#	20
7) Trichlorofluoromethane	2.512	101	282900	10.78	ppb	#	20
8) Ethanol	2.631	45	17255	453.84	ppb	#	1
9) Freon-113	3.023	101	132937	8.66	ppb	#	1
10) 1,1-Dichloroethylene	3.003	61	217971	7.49	ppb	#	79
11) Acrolein	2.884	56	3805	4.95	ppb	#	1
12) Acetone	3.006	43	19570	11.77	ppb	#	1
13) Iodomethane	3.142	142	64401	3.32	ppb	#	72
14) Methyl Acetate	3.323	43	39377	10.27	ppb	#	1
15) Carbon disulfide	3.233	76	179738	4.39	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.538	59	5579m	9.26	ppb		
17) Methylene Chloride	3.459	49	172222	7.93	ppb	#	88
18) Acrylonitrile	3.639	53	21559	9.11	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	207993	7.58	ppb	#	88
20) tert-Butyl Methyl Ethe...	3.727	73	241479	9.86	ppb	#	95
21) 1,1-Dichloroethane	4.130	63	323873	9.06	ppb	#	99
22) Vinyl Acetate	4.119	43	75017	7.15	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	498675	9.49	ppb	#	56
24) Ethyl-tert-Butyl ether...	4.514	59	448678	10.22	ppb	#	79
25) cis-1,2-Dichloroethylene	4.654	61	280408	9.00	ppb	#	80
26) 2-Butanone	4.616	72	4904	9.44	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	233058	9.64	ppb	#	89
28) Tetrahydrofuran	4.904	42	13025	8.57	ppb	#	11
29) Bromochloromethane	4.874	49	105239	8.38	ppb	#	33
30) Chloroform	4.965	83	301290	9.95	ppb	#	96
31) 1,1,1-Trichloroethane	5.148	97	300123	9.85	ppb	#	55
32) Cyclohexane	5.244	56	333551m	9.05	ppb		
33) 1,1-Dichloropropylene	5.293	75	214664	8.50	ppb	#	51
35) Carbon Tetrachloride	5.305	117	241016	9.42	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	38612	94.85	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	169139	9.83	ppb	#	100
38) Benzene	5.470	78	588927	8.67	ppb	#	96
39) tert-Amyl methyl ether...	5.595	73	293191	10.25	ppb	#	1
41) Trichloroethylene	6.101	95	171152	9.42	ppb	#	76
42) Methyl Cyclohexane	6.359	83	242827	7.93	ppb	#	39
43) Methyl Methacrylate	6.365	69	90640	8.85	ppb	#	98
44) Dibromomethane	6.415	93	55797	9.65	ppb	#	88
45) Bromodichloromethane	6.583	83	203844	10.56	ppb	#	96
46) 1,2-Dichloropropane	6.330	63	170996	9.69	ppb	#	93
47) 1,4-Dioxane	6.394	88	8023	204.06	ppb	#	78
49) cis-1,3-Dichloropropene	7.005	75	214063	9.78	ppb	#	56
50) 4-Methyl-2-Pentanone	7.121	43	54676	10.09	ppb	#	71
52) Toluene	7.356	91	709337	9.60	ppb		100

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913647.D
Acq On : 8 Sep 2020 10:51 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090820B
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 10 16:20:11 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

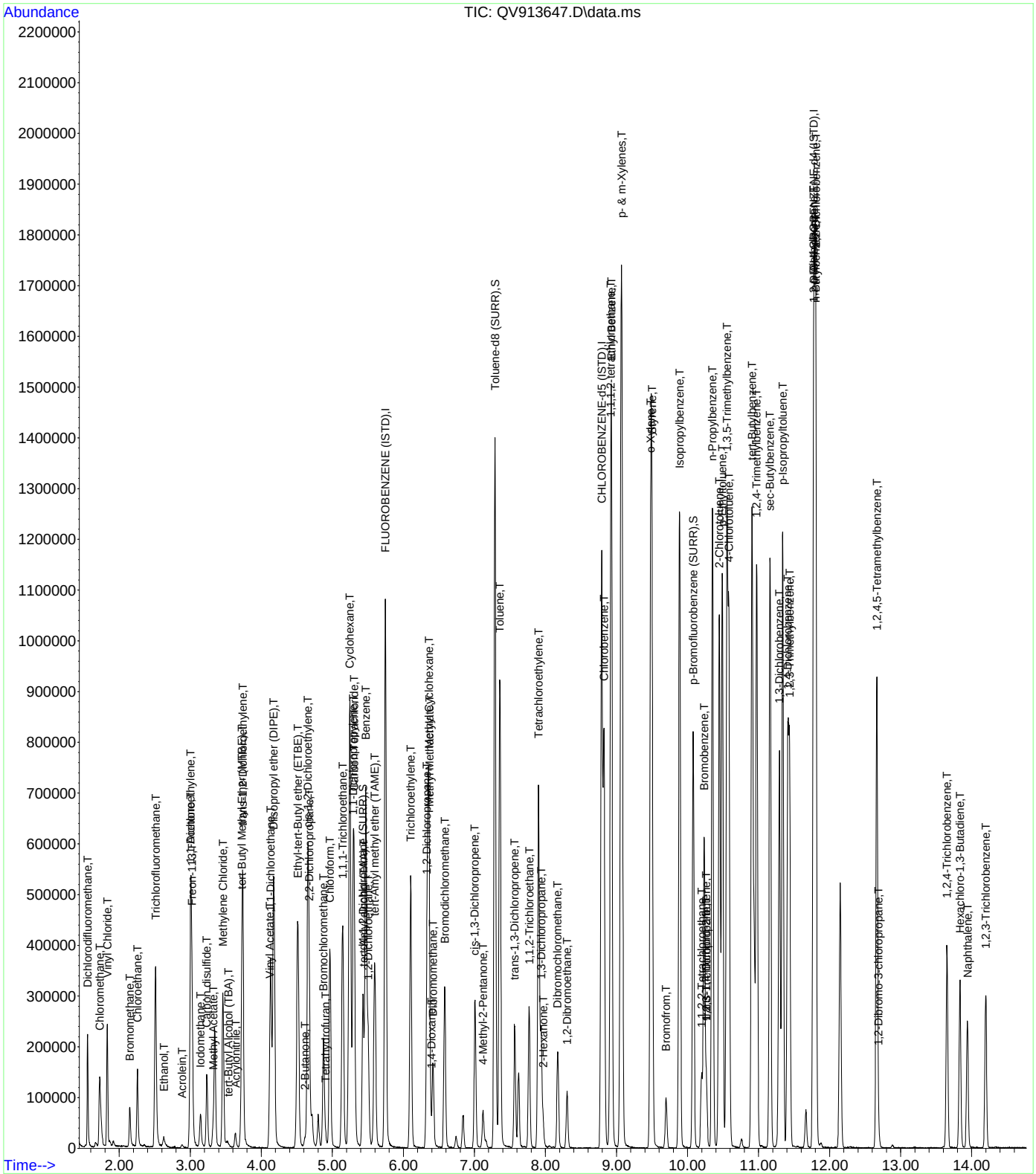
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.565	75	166194	10.15	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	83023	10.42	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	148791	10.39	ppb	#	97
56) Tetrachloroethylene	7.902	166	204898	11.41	ppb	#	100
57) 2-Hexanone	7.966	43	31703	9.44	ppb	#	8
58) Dibromochloromethane	8.170	129	99640	10.70	ppb	#	84
59) 1,2-Dibromoethane	8.303	107	77028	10.54	ppb		95
60) Chlorobenzene	8.824	112	443865	10.39	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.920	131	157793	11.21	ppb	#	48
62) Ethyl Benzene	8.928	91	896148	10.62	ppb		94
63) p- & m-Xylenes	9.071	91	1406305	21.32	ppb		92
64) o-Xylene	9.480	91	708990	10.78	ppb		96
65) Styrene	9.498	104	474965	10.92	ppb	#	82
66) Bromofrom	9.698	173	47183	10.36	ppb	#	81
68) p-Ethyltoluene	10.489	105	783145	10.53	ppb	#	97
69) Isopropylbenzene	9.890	105	933552	10.87	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	74271	10.37	ppb	#	65
72) Bromobenzene	10.233	77	289367	10.43	ppb	#	76
73) trans-1,4-Dichloro-2-b...	10.262	75	101660m	10.13	ppb		
74) 1,2,3-Trichloropropane	10.265	110	23335	11.17	ppb	#	1
75) n-Propylbenzene	10.349	91	1089168	10.84	ppb	#	90
76) 2-Chlorotoluene	10.448	91	638622	10.72	ppb		98
77) 4-Chlorotoluene	10.582	91	727348	10.97	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	749107	11.03	ppb	#	59
79) tert-Butylbenzene	10.907	119	700270	10.87	ppb	#	93
80) 1,2,4-Trimethylbenzene	10.971	105	713669	11.02	ppb		92
81) sec-Butylbenzene	11.160	105	885380	10.96	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	331732	11.02	ppb		94
83) p-Isopropyltoluene	11.340	119	753709	11.07	ppb		95
84) 1,4-Dichlorobenzene	11.410	146	322186	11.26	ppb		93
85) 1,2,3-Trimethylbenzene	11.436	105	469638	10.88	ppb	#	90
86) p-Diethylbenzene	11.773	105	362974	10.55	ppb	#	54
87) 1,2-Dichlorobenzene	11.805	146	259130	11.22	ppb	#	100
88) n-Butylbenzene	11.802	91	700982m	10.23	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	16124m	10.43	ppb		
90) 1,2,4,5-Tetramethylben...	12.665	119	517547	10.71	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.650	180	128390	10.68	ppb	#	9
92) Hexachloro-1,3-Butadiene	13.834	225	72327	10.79	ppb	#	66
93) Naphthalene	13.941	128	205368	9.70	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	98890	10.30	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913647.D
Acq On : 8 Sep 2020 10:51 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9090820B
ALS Vial : 30 Sample Multiplier: 1

Quant Time: Sep 10 16:20:11 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414080.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1045	Injection Date:	09/08/20
Lab Sample ID:	Y0I1045-CCV1	Injection Time:	10:22

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	L	50.0	42.5	0.1807482	0.1935966		-15.0	20	
1,1,1-Trichloroethane	A	50.0	48.8	1.35124	1.318142	0.1	-2.4	20	
1,1,2,2-Tetrachloroethane	A	50.0	52.6	0.3975603	0.418079	0.3	5.2	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	24.8	0.7931214	0.394014	0.1	-50.3	20	*
1,1,2-Trichloroethane	A	50.0	49.9	0.1493515	0.1490259	0.1	-0.2	20	
1,1-Dichloroethane	A	50.0	46.3	1.504345	1.394093	0.2	-7.3	20	
1,1-Dichloroethylene	A	50.0	39.4	1.291159	1.018616	0.1	-21.1	20	*
1,2,3-Trichlorobenzene	A	50.0	53.4	0.4852821	0.5180362		6.7	20	
1,2,3-Trichloropropane	A	50.0	51.8	0.1367891	0.141832		3.7	20	
1,2,4-Trichlorobenzene	A	50.0	53.2	0.5611112	0.5969924	0.2	6.4	20	
1,2,4-Trimethylbenzene	A	50.0	49.0	2.081242	2.03883		-2.0	20	
1,2-Dibromo-3-chloropropane	A	50.0	57.2	8.356553E-02	9.556995E-02	0.05	14.4	20	
1,2-Dibromoethane	A	50.0	49.4	0.1544719	0.1525373	0.1	-1.3	20	
1,2-Dichlorobenzene	A	50.0	50.5	0.8566001	0.8648652	0.4	1.0	20	
1,2-Dichloroethane	A	50.0	47.3	1.130085	1.069402	0.1	-5.4	20	
1,2-Dichloropropane	A	50.0	45.4	0.2156655	0.195785	0.1	-9.2	20	
1,3,5-Trimethylbenzene	A	50.0	48.6	2.02041	1.962212		-2.9	20	
1,3-Dichlorobenzene	A	50.0	50.9	0.9349307	0.9521247	0.6	1.8	20	
1,4-Dichlorobenzene	A	50.0	50.2	0.9055455	0.9089633	0.5	0.4	20	
1,4-Dioxane	A	1000	1150	1.484957E-03	1.708095E-03		15.0	20	
2-Butanone	A	50.0	41.3	0.0539544	4.458997E-02	0.1	-17.4	20	
2-Hexanone	A	50.0	51.9	0.1236723	0.1283246	0.1	3.8	20	
4-Methyl-2-pentanone	A	50.0	50.6	0.1749533	0.1770159	0.1	1.2	20	
Acetone	A	50.0	40.0	0.2819448	0.2252643	0.1	-20.1	20	*
Acrolein	L	50.0	112	6.800527E-02	9.683604E-02		124	20	*
Acrylonitrile	A	50.0	54.4	0.179878	0.1958708		8.9	20	
Benzene	A	50.0	44.8	2.946759	2.638612	0.5	-10.5	20	
Bromochloromethane	A	50.0	46.0	0.6780198	0.6234601		-8.0	20	
Bromodichloromethane	A	50.0	50.1	0.2755562	0.2762676	0.2	0.3	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414080.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1045	Injection Date:	09/08/20
Lab Sample ID:	Y0I1045-CCV1	Injection Time:	10:22

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	L	50.0	45.9	7.283191E-02	8.908639E-02	0.1	-8.2	20	
Bromomethane	A	50.0	74.1	0.3861049	0.5720188	0.1	48.2	20	*
Carbon disulfide	A	50.0	23.6	2.018406	0.9516753	0.1	-52.9	20	*
Carbon tetrachloride	A	50.0	50.4	1.026493	1.033999	0.1	0.7	20	
Chlorobenzene	A	50.0	48.4	0.5589409	0.5415508	0.5	-3.1	20	
Chloroethane	A	50.0	66.6	0.5148365	0.685248	0.1	33.1	20	*
Chloroform	A	50.0	49.5	1.437048	1.421698	0.2	-1.1	20	
Chloromethane	A	50.0	65.4	0.9743763	1.274694	0.1	30.8	20	*
cis-1,2-Dichloroethylene	A	50.0	45.3	1.356842	1.229754	0.1	-9.4	20	
cis-1,3-Dichloropropylene	A	50.0	48.1	0.3403912	0.3277588	0.2	-3.7	20	
Cyclohexane	A	50.0	38.7	1.437963	1.114252	0.1	-22.5	20	*
Dibromochloromethane	A	50.0	55.6	0.1552863	0.1728192	0.1	11.3	20	
Dibromomethane	A	50.0	47.5	0.1131589	0.1074924		-5.0	20	
Dichlorodifluoromethane	Q	50.0	56.0	0.5226794	0.697775	0.1	12.0	20	
Ethyl Benzene	A	50.0	47.3	1.138782	1.078177	0.1	-5.3	20	
Hexachlorobutadiene	A	50.0	51.8	0.3344537	0.3462898		3.5	20	
Isopropylbenzene	A	50.0	48.3	2.337246	2.259552	0.1	-3.3	20	
Methyl acetate	A	50.0	45.7	0.5221214	0.4776656	0.1	-8.5	20	
Methyl tert-butyl ether (MTBE)	A	50.0	49.1	1.923452	1.887904	0.1	-1.8	20	
Methylcyclohexane	A	50.0	39.2	0.3908827	0.3065818	0.1	-21.6	20	*
Methylene chloride	A	50.0	45.8	1.029307	0.9425569	0.1	-8.4	20	
n-Butylbenzene	A	50.0	50.2	2.690516	2.698567		0.3	20	
n-Propylbenzene	A	50.0	49.3	3.035225	2.991497		-1.4	20	
o-Xylene	A	50.0	47.3	0.9050673	0.8555219	0.3	-5.5	20	
p- & m- Xylenes	A	100	96.0	0.913102	0.8769262	0.1	-4.0	20	
p-Isopropyltoluene	A	50.0	49.6	2.291279	2.271196		-0.9	20	
sec-Butylbenzene	A	50.0	49.2	2.537086	2.495413		-1.6	20	
Styrene	A	50.0	48.5	0.6260358	0.6068608	0.3	-3.1	20	
tert-Butyl alcohol (TBA)	A	50.0	48.2	6.071175E-02	0.0585056		-3.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414080.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1045	Injection Date:	09/08/20
Lab Sample ID:	Y0I1045-CCV1	Injection Time:	10:22

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butylbenzene	A	50.0	49.1	1.693168	1.662417		-1.8	20
Tetrachloroethylene	A	50.0	42.9	0.1965813	0.1686873	0.2 *	-14.2	20
Toluene	A	50.0	44.4	0.9136906	0.8112362	0.4	-11.2	20
trans-1,2-Dichloroethylene	A	50.0	38.5	1.147794	0.8845826	0.1	-22.9	20 *
trans-1,3-Dichloropropylene	A	50.0	49.8	0.3072891	0.3060829	0.1	-0.4	20
trans-1,4-dichloro-2-butene	A	50.0	52.8	0.5094398	0.5376827		5.5	20
Trichloroethylene	A	50.0	43.9	0.222235	0.1951524	0.2 *	-12.2	20
Trichlorofluoromethane	A	50.0	66.6	1.617571	2.155147	0.1	33.2	20 *
Vinyl Chloride	A	50.0	75.0	0.9124362	1.36809	0.1	49.9	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414080.D
Acq On : 8 Sep 2020 10:22 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090820A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:41:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.883	70	380220	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1421115	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	691776	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	596041	50.19	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.38%				
54) Toluene-d8 (SURR)	6.368	98	1888235	49.61	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.22%				
73) p-Bromofluorobenzene (...	9.106	95	790338	49.11	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 98.22%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.118	85	265308	56.02	ppb		100
3) Chloromethane	1.294	50	484664	65.41	ppb	#	70
4) Vinyl Chloride	1.333	62	520175	74.97	ppb		100
5) Bromomethane	1.580	94	217493	74.08	ppb		98
6) Allyl Chloride	2.612	76	126432	42.00	ppb	#	100
7) Chloroethane	1.655	64	260545	66.55	ppb		98
8) Trichlorofluoromethane	1.839	101	819430	66.62	ppb		97
9) Ethanol	2.095	45	198618	3632.70	ppb		82
10) Freon-113	2.254	101	149812	24.84	ppb	#	55
11) 1,1-Dichloroethylene	2.284	61	387298	39.45	ppb	#	80
12) Acrolein	2.248	56	36819	111.86	ppb		95
13) Acetone	2.390	43	85650	39.95	ppb	#	41
14) Iodomethane	2.432	142	225704	44.48	ppb	#	59
15) Methyl Acetate	2.651	43	181618	45.74	ppb		95
16) Carbon disulfide	2.471	76	361846	23.57	ppb		100
17) tert-Butyl Alcohol (TBA)	2.893	59	22245	48.18	ppb	#	1
18) Methylene Chloride	2.740	49	358379	45.79	ppb		85
19) Acrylonitrile	3.005	53	74474	54.45	ppb		98
20) trans-1,2-Dichloroethy...	2.952	61	336336	38.53	ppb		92
21) tert-Butyl Methyl Ethe...	2.938	73	717819	49.08	ppb	#	92
22) 1,1-Dichloroethane	3.339	63	530062	46.34	ppb	#	96
23) Vinyl Acetate	3.383	43	397347	51.61	ppb		100
24) Diisopropyl ether (DIPE)	3.350	45	1051083	49.19	ppb		96
25) Ethyl-tert-Butyl ether...	3.672	59	892609	48.51	ppb	#	97
26) cis-1,2-Dichloroethylene	3.862	61	467577	45.32	ppb	#	78
27) 2-Butanone	3.903	72	16954	41.32	ppb	#	1
28) 2,2-Dichloropropane	3.828	77	510501	49.60	ppb	#	87
29) Tetrahydrofuran	4.120	42	80659	53.04	ppb	#	62
30) Bromochloromethane	4.084	49	237052	45.98	ppb		82
31) Chloroform	4.157	83	540558	49.47	ppb	#	92
32) 1,1,1-Trichloroethane	4.273	97	501184	48.78	ppb	#	85
33) Cyclohexane	4.287	56	423661	38.74	ppb		88
34) 1,1-Dichloropropylene	4.418	75	372821	41.70	ppb		94
36) Carbon Tetrachloride	4.410	117	393147	50.37	ppb	#	92
37) tert-Amyl alcohol (TAA)	4.694	59	221293	561.21	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	406608	47.32	ppb		99
39) Benzene	4.618	78	1003253	44.77	ppb	#	82
40) tert-Amyl methyl ether...	4.696	73	882911	52.60	ppb	#	90
42) Trichloroethylene	5.214	95	277334	43.91	ppb		82
43) Methyl Cyclohexane	5.336	83	435688	39.22	ppb	#	76
44) Methyl Methacrylate	5.551	69	155256	49.42	ppb	#	97
45) Dibromomethane	5.578	93	152759	47.50	ppb		91
46) Bromodichloromethane	5.731	83	392608	50.13	ppb		98
47) 1,2-Dichloropropane	5.448	63	278233	45.39	ppb	#	96
48) 1,4-Dioxane	5.595	88	48548m	1150.27	ppb		
49) 2-Chloroethyl vinyl ether	6.012	63	140293	54.91	ppb		97
50) 2-nitropropane	5.979	43	43040	90.58	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	465783	48.14	ppb		89

Data Path : C:\msdchem\1\data\090820\
Data File : QV414080.D
Acq On : 8 Sep 2020 10:22 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090820A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:41:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

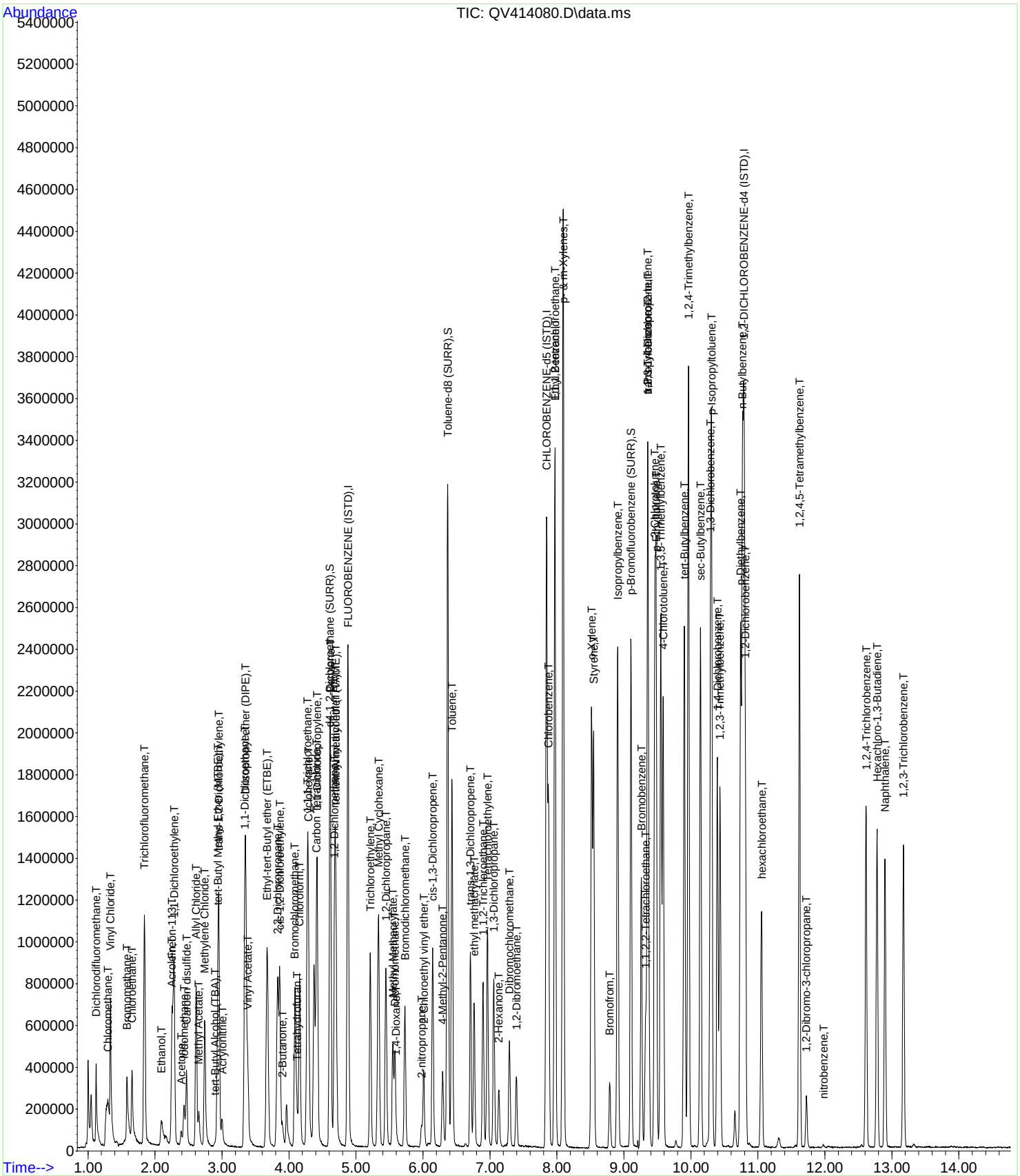
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.764	69	311235	50.12	ppb	#	100
53) 4-Methyl-2-Pentanone	6.293	43	251560	50.59	ppb	#	85
55) Toluene	6.432	91	1152860	44.39	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	434979	49.80	ppb		98
57) 1,1,2-Trichloroethane	6.897	97	211783	49.89	ppb		92
58) 1,3-Dichloropropane	7.056	76	398975	47.50	ppb	#	90
59) Tetrachloroethylene	6.964	166	239724	42.91	ppb	#	72
60) 2-Hexanone	7.128	43	182364	51.88	ppb		91
61) Dibromochloromethane	7.289	129	245596	55.65	ppb		97
62) 1,2-Dibromoethane	7.395	107	216773	49.37	ppb		97
63) Chlorobenzene	7.874	112	769606	48.44	ppb	#	85
64) 1,1,1,2-tetrachloroethane	7.971	131	275123	42.51	ppb	#	52
65) Ethyl Benzene	7.971	91	1532214	47.34	ppb		93
66) p- & m-Xylenes	8.093	91	2492426	96.04	ppb		91
67) o-Xylene	8.516	91	1215795	47.26	ppb		96
68) Styrene	8.547	104	862419	48.47	ppb	#	100
69) Bromofrom	8.786	173	126602	45.89	ppb	#	81
71) p-Ethyltoluene	9.482	105	1544057	48.62	ppb	#	97
72) Isopropylbenzene	8.906	105	1563104	48.34	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.323	83	289217	52.58	ppb	#	100
75) Bromobenzene	9.259	77	568639	48.04	ppb	#	74
76) trans-1,4-Dichloro-2-b...	9.354	75	371956	52.77	ppb	#	59
77) 1,2,3-Trichloropropane	9.354	110	98116	51.84	ppb		90
78) n-Propylbenzene	9.354	91	2069446	49.28	ppb		94
79) 2-Chlorotoluene	9.462	91	1338184	48.43	ppb		97
80) 4-Chlorotoluene	9.585	91	1227801	44.19	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	1357411	48.56	ppb		90
82) tert-Butylbenzene	9.902	119	1150020	49.09	ppb		83
83) 1,2,4-Trimethylbenzene	9.963	105	1410414	48.98	ppb		88
84) sec-Butylbenzene	10.141	105	1726267	49.18	ppb		93
85) hexachloroethane	11.057	117	219417	46.53	ppb	#	100
86) 1,3-Dichlorobenzene	10.291	146	658657	50.92	ppb	#	88
87) p-Isopropyltoluene	10.308	119	1571159	49.56	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	628799	50.19	ppb	#	89
89) 1,2,3-Trimethylbenzene	10.433	105	951143	37.42	ppb		92
90) nitrobenzene	11.980	77	4267	71.03	ppb	#	100
91) p-Diethylbenzene	10.739	105	838499	50.43	ppb	#	21
92) 1,2-Dichlorobenzene	10.812	146	598293	50.48	ppb	#	88
93) n-Butylbenzene	10.767	91	1866804m	50.15	ppb		
94) 1,2-Dibromo-3-chloropr...	11.722	75	66113	57.18	ppb	#	74
95) 1,2,4,5-Tetramethylben...	11.621	119	1411396	50.77	ppb		89
96) 1,2,4-Trichlorobenzene	12.617	180	412985	53.20	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	239555	51.77	ppb	#	77
98) Naphthalene	12.896	128	1010996	53.92	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	358365	53.37	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414080.D
Acq On : 8 Sep 2020 10:22 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090820A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 09:41:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414109.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1141	Injection Date:	09/09/20
Lab Sample ID:	Y0I1141-CCV1	Injection Time:	10:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	L	50.0	42.0	0.1807482	0.1910509		-16.1	20	
1,1,1-Trichloroethane	A	50.0	51.2	1.35124	1.38408	0.1	2.4	20	
1,1,2,2-Tetrachloroethane	A	50.0	48.3	0.3975603	0.3841065	0.3	-3.4	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	55.6	0.7931214	0.8827302	0.1	11.3	20	
1,1,2-Trichloroethane	A	50.0	50.5	0.1493515	0.1507407	0.1	0.9	20	
1,1-Dichloroethane	A	50.0	51.1	1.504345	1.538632	0.2	2.3	20	
1,1-Dichloroethylene	A	50.0	52.8	1.291159	1.364469	0.1	5.7	20	
1,2,3-Trichlorobenzene	A	50.0	54.6	0.4852821	0.5300118		9.2	20	
1,2,3-Trichloropropane	A	50.0	47.6	0.1367891	0.1300861		-4.9	20	
1,2,4-Trichlorobenzene	A	50.0	55.0	0.5611112	0.6168198	0.2	9.9	20	
1,2,4-Trimethylbenzene	A	50.0	47.6	2.081242	1.983132		-4.7	20	
1,2-Dibromo-3-chloropropane	A	50.0	48.6	8.356553E-02	8.120224E-02	0.05	-2.8	20	
1,2-Dibromoethane	A	50.0	51.8	0.1544719	0.1600985	0.1	3.6	20	
1,2-Dichlorobenzene	A	50.0	51.0	0.8566001	0.8734119	0.4	2.0	20	
1,2-Dichloroethane	A	50.0	45.3	1.130085	1.024704	0.1	-9.3	20	
1,2-Dichloropropane	A	50.0	47.1	0.2156655	0.2032173	0.1	-5.8	20	
1,3,5-Trimethylbenzene	A	50.0	47.9	2.02041	1.936546		-4.2	20	
1,3-Dichlorobenzene	A	50.0	52.4	0.9349307	0.9801846	0.6	4.8	20	
1,4-Dichlorobenzene	A	50.0	51.9	0.9055455	0.9404395	0.5	3.9	20	
1,4-Dioxane	A	1000	1100	1.484957E-03	1.632615E-03		9.9	20	
2-Butanone	A	50.0	43.6	0.0539544	4.699695E-02	0.1	-12.9	20	
2-Hexanone	A	50.0	45.6	0.1236723	0.1129217	0.1	-8.7	20	
4-Methyl-2-pentanone	A	50.0	45.8	0.1749533	0.1602891	0.1	-8.4	20	
Acetone	A	50.0	36.1	0.2819448	0.2035212	0.1	-27.8	20	*
Acrolein	L	50.0	87.6	6.800527E-02	7.579897E-02		75.1	20	*
Acrylonitrile	A	50.0	56.1	0.179878	0.2018265		12.2	20	
Benzene	A	50.0	53.3	2.946759	3.142629	0.5	6.6	20	
Bromochloromethane	A	50.0	48.3	0.6780198	0.6553052		-3.4	20	
Bromodichloromethane	A	50.0	47.1	0.2755562	0.2595813	0.2	-5.8	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414109.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1141	Injection Date:	09/09/20
Lab Sample ID:	Y0I1141-CCV1	Injection Time:	10:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	L	50.0	43.7	7.283191E-02	8.481809E-02	0.1	-12.6	20	
Bromomethane	A	50.0	49.1	0.3861049	0.3788137	0.1	-1.9	20	
Carbon disulfide	A	50.0	59.8	2.018406	2.414721	0.1	19.6	20	
Carbon tetrachloride	A	50.0	52.4	1.026493	1.076691	0.1	4.9	20	
Chlorobenzene	A	50.0	51.1	0.5589409	0.5711429	0.5	2.2	20	
Chloroethane	A	50.0	47.4	0.5148365	0.4877771	0.1	-5.3	20	
Chloroform	A	50.0	49.4	1.437048	1.418554	0.2	-1.3	20	
Chloromethane	A	50.0	64.6	0.9743763	1.257906	0.1	29.1	20	*
cis-1,2-Dichloroethylene	A	50.0	49.5	1.356842	1.34358	0.1	-1.0	20	
cis-1,3-Dichloropropylene	A	50.0	49.1	0.3403912	0.3342966	0.2	-1.8	20	
Cyclohexane	A	50.0	53.2	1.437963	1.529846	0.1	6.4	20	
Dibromochloromethane	A	50.0	52.3	0.1552863	0.1625639	0.1	4.7	20	
Dibromomethane	A	50.0	49.1	0.1131589	0.1111748		-1.8	20	
Dichlorodifluoromethane	Q	50.0	63.4	0.5226794	0.789625	0.1	26.8	20	*
Ethyl Benzene	A	50.0	48.5	1.138782	1.105089	0.1	-3.0	20	
Hexachlorobutadiene	A	50.0	54.3	0.3344537	0.3629891		8.5	20	
Isopropylbenzene	A	50.0	48.8	2.337246	2.281758	0.1	-2.4	20	
Methyl acetate	A	50.0	50.7	0.5221214	0.5293057	0.1	1.4	20	
Methyl tert-butyl ether (MTBE)	A	50.0	51.1	1.923452	1.964693	0.1	2.1	20	
Methylcyclohexane	A	50.0	52.9	0.3908827	0.4134641	0.1	5.8	20	
Methylene chloride	A	50.0	51.3	1.029307	1.055611	0.1	2.6	20	
n-Butylbenzene	A	50.0	46.5	2.690516	2.500538		-7.1	20	
n-Propylbenzene	A	50.0	47.6	3.035225	2.889404		-4.8	20	
o-Xylene	A	50.0	48.0	0.9050673	0.8693118	0.3	-4.0	20	
p- & m- Xylenes	A	100	98.0	0.913102	0.8950766	0.1	-2.0	20	
p-Isopropyltoluene	A	50.0	49.1	2.291279	2.247979		-1.9	20	
sec-Butylbenzene	A	50.0	48.2	2.537086	2.44398		-3.7	20	
Styrene	A	50.0	50.2	0.6260358	0.6290854	0.3	0.5	20	
tert-Butyl alcohol (TBA)	A	50.0	47.4	6.071175E-02	5.755873E-02		-5.2	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414109.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1141	Injection Date:	09/09/20
Lab Sample ID:	Y0I1141-CCV1	Injection Time:	10:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
tert-Butylbenzene	A	50.0	48.9	1.693168	1.656956		-2.1	20	
Tetrachloroethylene	A	50.0	55.2	0.1965813	0.2169643	0.2	10.4	20	
Toluene	A	50.0	49.3	0.9136906	0.9005061	0.4	-1.4	20	
trans-1,2-Dichloroethylene	A	50.0	52.4	1.147794	1.203757	0.1	4.9	20	
trans-1,3-Dichloropropylene	A	50.0	49.2	0.3072891	0.3022658	0.1	-1.6	20	
trans-1,4-dichloro-2-butene	A	50.0	47.2	0.5094398	0.4809156		-5.6	20	
Trichloroethylene	A	50.0	51.4	0.222235	0.2285468	0.2	2.8	20	
Trichlorofluoromethane	A	50.0	46.7	1.617571	1.510563	0.1	-6.6	20	
Vinyl Chloride	A	50.0	66.1	0.9124362	1.205908	0.1	32.2	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414109.D
Acq On : 9 Sep 2020 10:13 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090920A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 10:32:23 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	640233	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2339560	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1144365	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	892214	44.61	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 89.22%				
54) Toluene-d8 (SURR)	6.366	98	3070847	49.01	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 98.02%				
73) p-Bromofluorobenzene (...	9.106	95	1205624	45.28	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 90.56%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	505544	63.39	ppb		100
3) Chloromethane	1.285	50	805353	64.55	ppb	#	71
4) Vinyl Chloride	1.335	62	772062	66.08	ppb		100
5) Bromomethane	1.580	94	242529	49.06	ppb		97
6) Allyl Chloride	2.612	76	290736	57.36	ppb	#	100
7) Chloroethane	1.655	64	312291	47.37	ppb		99
8) Trichlorofluoromethane	1.842	101	967112	46.69	ppb		97
9) Ethanol	2.100	45	244862	2659.68	ppb		82
10) Freon-113	2.262	101	565153	55.65	ppb	#	91
11) 1,1-Dichloroethylene	2.281	61	873578	52.84	ppb		95
12) Acrolein	2.248	56	48529	87.56	ppb		95
13) Acetone	2.393	43	130301	36.09	ppb	#	43
14) Iodomethane	2.432	142	568916	66.58	ppb	#	20
15) Methyl Acetate	2.651	43	338879	50.69	ppb		95
16) Carbon disulfide	2.471	76	1545984	59.82	ppb		100
17) tert-Butyl Alcohol (TBA)	2.893	59	36851	47.40	ppb	#	1
18) Methylene Chloride	2.740	49	675837	51.28	ppb		91
19) Acrylonitrile	2.999	53	129216	56.10	ppb		98
20) trans-1,2-Dichloroethy...	2.952	61	770685	52.44	ppb		93
21) tert-Butyl Methyl Ethe...	2.941	73	1257861	51.07	ppb		100
22) 1,1-Dichloroethane	3.339	63	985083	51.14	ppb	#	99
23) Vinyl Acetate	3.383	43	659060	50.84	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	1724543	47.93	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.672	59	1487879	48.02	ppb	#	98
26) cis-1,2-Dichloroethylene	3.862	61	860204	49.51	ppb	#	80
27) 2-Butanone	3.901	72	30089	43.55	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	899161	51.89	ppb		100
29) Tetrahydrofuran	4.115	42	132115	51.60	ppb		78
30) Bromochloromethane	4.084	49	419548	48.32	ppb		88
31) Chloroform	4.159	83	908205	49.36	ppb		99
32) 1,1,1-Trichloroethane	4.273	97	886134	51.22	ppb	#	73
33) Cyclohexane	4.285	56	979458	53.19	ppb		91
34) 1,1-Dichloropropylene	4.421	75	761771	50.61	ppb		86
36) Carbon Tetrachloride	4.410	117	689333	52.45	ppb		100
37) tert-Amyl alcohol (TAA)	4.691	59	366358	551.77	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	656049	45.34	ppb		99
39) Benzene	4.616	78	2012015	53.32	ppb	#	89
40) tert-Amyl methyl ether...	4.696	73	1453028	51.41	ppb		99
42) Trichloroethylene	5.214	95	534699	51.42	ppb		87
43) Methyl Cyclohexane	5.336	83	967324	52.89	ppb	#	81
44) Methyl Methacrylate	5.550	69	260626	50.39	ppb	#	81
45) Dibromomethane	5.578	93	260100	49.12	ppb		96
46) Bromodichloromethane	5.729	83	607306	47.10	ppb		98
47) 1,2-Dichloropropane	5.445	63	475439	47.11	ppb	#	97
48) 1,4-Dioxane	5.603	88	76392	1099.44	ppb		88
49) 2-Chloroethyl vinyl ether	6.010	63	224671	53.42	ppb		98
50) 2-nitropropane	5.976	43	35988	49.95	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	782107	49.10	ppb		96

Data Path : C:\msdchem\1\data\090920\
Data File : QV414109.D
Acq On : 9 Sep 2020 10:13 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090920A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 10:32:23 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

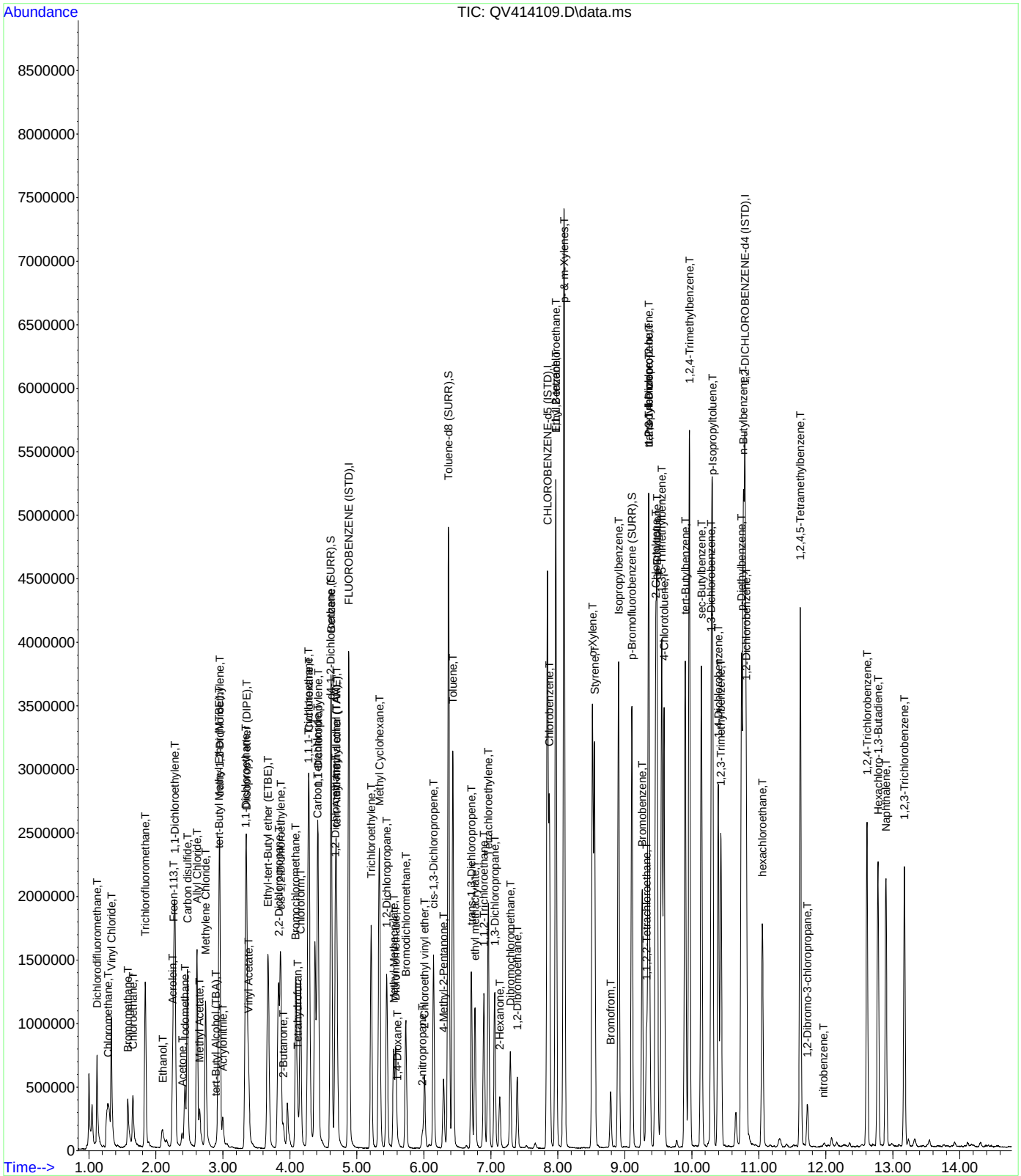
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.764	69	506030	49.50	ppb	#	100
53) 4-Methyl-2-Pentanone	6.293	43	375006	45.81	ppb	#	88
55) Toluene	6.432	91	2106788	49.28	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	707169	49.18	ppb		98
57) 1,1,2-Trichloroethane	6.894	97	352667	50.47	ppb		97
58) 1,3-Dichloropropane	7.058	76	654833	47.36	ppb	#	93
59) Tetrachloroethylene	6.961	166	507601	55.18	ppb	#	81
60) 2-Hexanone	7.134	43	264187	45.65	ppb		94
61) Dibromochloromethane	7.292	129	380328	52.34	ppb	#	95
62) 1,2-Dibromoethane	7.392	107	374560	51.82	ppb		97
63) Chlorobenzene	7.871	112	1336223	51.09	ppb		90
64) 1,1,1,2-tetrachloroethane	7.968	131	446975	41.95	ppb	#	53
65) Ethyl Benzene	7.968	91	2585422	48.52	ppb		95
66) p- & m-Xylenes	8.093	91	4188171	98.03	ppb		93
67) o-Xylene	8.516	91	2033807	48.02	ppb		97
68) Styrene	8.547	104	1471783	50.24	ppb	#	100
69) Bromofrom	8.786	173	198437	43.69	ppb	#	81
71) p-Ethyltoluene	9.482	105	2548013	48.50	ppb	#	97
72) Isopropylbenzene	8.906	105	2611164	48.81	ppb		95
74) 1,1,2,2-Tetrachloroethane	9.323	83	439558	48.31	ppb	#	100
75) Bromobenzene	9.256	77	892677	45.59	ppb		81
76) trans-1,4-Dichloro-2-b...	9.357	75	550343	47.20	ppb	#	56
77) 1,2,3-Trichloropropane	9.354	110	148866	47.55	ppb		92
78) n-Propylbenzene	9.357	91	3306533	47.60	ppb		96
79) 2-Chlorotoluene	9.460	91	2140898	46.83	ppb		98
80) 4-Chlorotoluene	9.585	91	1975032	42.97	ppb		83
81) 1,3,5-Trimethylbenzene	9.549	105	2216116	47.92	ppb		92
82) tert-Butylbenzene	9.902	119	1896163	48.93	ppb		88
83) 1,2,4-Trimethylbenzene	9.963	105	2269427	47.64	ppb		90
84) sec-Butylbenzene	10.141	105	2796805	48.17	ppb		95
85) hexachloroethane	11.051	117	323071	41.42	ppb	#	100
86) 1,3-Dichlorobenzene	10.289	146	1121689	52.42	ppb		93
87) p-Isopropyltoluene	10.308	119	2572509	49.06	ppb		95
88) 1,4-Dichlorobenzene	10.394	146	1076206	51.93	ppb		93
89) 1,2,3-Trimethylbenzene	10.433	105	1468135	34.92	ppb		94
90) nitrobenzene	11.964	77	5413m	53.23	ppb		
91) p-Diethylbenzene	10.739	105	1334558	48.52	ppb	#	23
92) 1,2-Dichlorobenzene	10.812	146	999502	50.98	ppb	#	88
93) n-Butylbenzene	10.767	91	2861528m	46.47	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	92925	48.59	ppb	#	78
95) 1,2,4,5-Tetramethylben...	11.619	119	2285777	49.70	ppb		92
96) 1,2,4-Trichlorobenzene	12.615	180	705867	54.96	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	415392	54.27	ppb		85
98) Naphthalene	12.898	128	1617804	52.16	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	606527	54.61	ppb		82

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414109.D
Acq On : 9 Sep 2020 10:13 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4090920A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 09 10:32:23 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913750.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I1143	Injection Date:	09/11/20
Lab Sample ID:	Y0I1143-CCV1	Injection Time:	10:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	A	10.0	10.5	0.2221162	0.2337413		5.2	20
1,1,1-Trichloroethane	A	10.0	10.2	1.67002	1.694929	0.1	1.5	20
1,1,2,2-Tetrachloroethane	A	10.0	9.46	0.4117028	0.3895699	0.3	-5.4	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	9.16	0.8417352	0.7706889	0.1	-8.4	20
1,1,2-Trichloroethane	A	10.0	9.87	0.1257684	0.124115	0.1	-1.3	20
1,1-Dichloroethane	A	10.0	9.55	1.960854	1.871784	0.2	-4.5	20
1,1-Dichloroethylene	A	10.0	9.78	1.595689	1.560037	0.1	-2.2	20
1,2,3-Trichlorobenzene	A	10.0	9.06	0.5521393	0.500054		-9.4	20
1,2,3-Trichloropropane	A	10.0	10.8	0.12015	0.1297445		8.0	20
1,2,4-Trichlorobenzene	A	10.0	9.44	0.6913543	0.6524488	0.2	-5.6	20
1,2,4-Trimethylbenzene	A	10.0	9.96	3.725981	3.710465		-0.4	20
1,2-Dibromo-3-chloropropane	A	10.0	9.74	8.894596E-02	8.662117E-02	0.05	-2.6	20
1,2-Dibromoethane	A	10.0	9.94	0.1153022	0.1146252	0.1	-0.6	20
1,2-Dichlorobenzene	A	10.0	10.2	1.328275	1.35122	0.4	1.7	20
1,2-Dichloroethane	A	10.0	10.1	0.9431693	0.9539419	0.1	1.1	20
1,2-Dichloropropane	A	10.0	9.60	0.2785566	0.2675424	0.1	-4.0	20
1,3,5-Trimethylbenzene	A	10.0	9.97	3.907363	3.896556		-0.3	20
1,3-Dichlorobenzene	A	10.0	9.73	1.730532	1.682971	0.6	-2.7	20
1,4-Dichlorobenzene	A	10.0	9.77	1.645807	1.607935	0.5	-2.3	20
1,4-Dioxane	A	200	206	6.20386E-04	6.379301E-04		2.8	20
2-Butanone	A	10.0	10.7	2.849649E-02	3.040362E-02	0.1	6.7	20
2-Hexanone	A	10.0	9.69	5.298744E-02	5.133141E-02	0.1	-3.1	20
4-Methyl-2-pentanone	A	10.0	9.42	8.550734E-02	8.051106E-02	0.1	-5.8	20
Acetone	L	10.0	10.6	0.1438723	9.691345E-02	0.1	6.3	20
Acrolein	A	10.0	8.28	4.214389E-02	3.488071E-02		-17.2	20
Acrylonitrile	A	10.0	8.80	0.1297412	0.1141259		-12.0	20
Benzene	A	10.0	9.28	3.72665	3.457194	0.5	-7.2	20
Bromochloromethane	A	10.0	9.07	0.6882402	0.6242071		-9.3	20
Bromodichloromethane	A	10.0	10.1	0.304741	0.3074553	0.2	0.9	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913750.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I1143	Injection Date:	09/11/20
Lab Sample ID:	Y0I1143-CCV1	Injection Time:	10:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	A	10.0	9.75	7.188973E-02	7.007481E-02	0.1	-2.5	20	
Bromomethane	A	10.0	2.01	0.5474592	0.1099876	0.1	-79.9	20	*
Carbon disulfide	A	10.0	9.67	2.246164	2.171466	0.1	-3.3	20	
Carbon tetrachloride	A	10.0	10.1	1.403138	1.415366	0.1	0.9	20	
Chlorobenzene	A	10.0	9.95	0.6740761	0.6706828	0.5	-0.5	20	
Chloroethane	A	10.0	9.05	0.608247	0.5507445	0.1	-9.5	20	
Chloroform	A	10.0	9.67	1.660497	1.60556	0.2	-3.3	20	
Chloromethane	A	10.0	7.84	1.201174	0.9415268	0.1	-21.6	20	*
cis-1,2-Dichloroethylene	A	10.0	9.34	1.707556	1.594265	0.1	-6.6	20	
cis-1,3-Dichloropropylene	A	10.0	9.60	0.3453457	0.3316879	0.2	-4.0	20	
Cyclohexane	L	10.0	10.4	2.247389	2.101089	0.1	3.9	20	
Dibromochloromethane	A	10.0	10.2	0.1469266	0.1500098	0.1	2.1	20	
Dibromomethane	A	10.0	9.98	9.123417E-02	9.104035E-02		-0.2	20	
Dichlorodifluoromethane	A	10.0	9.61	0.8717251	0.8379192	0.1	-3.9	20	
Ethyl Benzene	A	10.0	10.2	1.331776	1.359617	0.1	2.1	20	
Hexachlorobutadiene	A	10.0	8.76	0.3856416	0.3379019		-12.4	20	
Isopropylbenzene	A	10.0	10.0	4.937482	4.951119	0.1	0.3	20	
Methyl acetate	A	10.0	8.04	0.2101543	0.1689966	0.1	-19.6	20	
Methyl tert-butyl ether (MTBE)	A	10.0	9.91	1.342444	1.330603	0.1	-0.9	20	
Methylcyclohexane	A	10.0	9.50	0.4832781	0.4590127	0.1	-5.0	20	
Methylene chloride	A	10.0	9.15	1.191051	1.089911	0.1	-8.5	20	
n-Butylbenzene	A	10.0	9.17	3.939392	3.611541		-8.3	20	
n-Propylbenzene	A	10.0	9.97	5.779159	5.759206		-0.3	20	
o-Xylene	A	10.0	10.3	1.037678	1.065249	0.3	2.7	20	
p- & m- Xylenes	A	20.0	20.9	1.041078	1.090237	0.1	4.7	20	
p-Isopropyltoluene	A	10.0	9.89	3.914175	3.872103		-1.1	20	
sec-Butylbenzene	A	10.0	9.81	4.645922	4.559683		-1.9	20	
Styrene	A	10.0	10.3	0.6861538	0.7095383	0.3	3.4	20	
tert-Butyl alcohol (TBA)	L	10.0	9.34	4.023808E-02	3.084086E-02		-6.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA9	Calibration:	YH00024
Lab File ID:	QV913750.D	Calibration Date:	08/26/20 01:52
Sequence:	Y0I1143	Injection Date:	09/11/20
Lab Sample ID:	Y0I1143-CCV1	Injection Time:	10:13

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butylbenzene	A	10.0	9.92	3.705221	3.674223		-0.8	20
Tetrachloroethylene	A	10.0	10.6	0.2832471	0.3017443	0.2	6.5	20
Toluene	A	10.0	9.80	1.165704	1.142892	0.4	-2.0	20
trans-1,2-Dichloroethylene	A	10.0	9.54	1.504407	1.435904	0.1	-4.6	20
trans-1,3-Dichloropropylene	A	10.0	9.95	0.2582602	0.2569934	0.1	-0.5	20
trans-1,4-dichloro-2-butene	A	10.0	9.60	0.5770014	0.5541025		-4.0	20
Trichloroethylene	A	10.0	10.1	0.2867988	0.2896817	0.2	1.0	20
Trichlorofluoromethane	A	10.0	10.3	1.439073	1.488632	0.1	3.4	20
Vinyl Chloride	A	10.0	8.47	1.043492	0.8836755	0.1	-15.3	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913750.D
Acq On : 11 Sep 2020 10:13 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9091120A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 16:49:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	162382	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	558917	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	157525	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	153169	10.55	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 105.50%				
51) Toluene-d8 (SURR)	7.289	98	806502	10.23	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 102.30%				
70) p-Bromofluorobenzene (...	10.079	95	265111	9.53	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 95.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	136063	9.61	ppb	#	1
3) Chloromethane	1.727	50	152887	7.84	ppb		93
4) Vinyl Chloride	1.832	62	143493	8.47	ppb	#	100
5) Bromomethane	2.152	94	17860	2.01	ppb		100
6) Chloroethane	2.256	64	89431	9.05	ppb	#	19
7) Trichlorofluoromethane	2.512	101	241727	10.34	ppb	#	20
8) Ethanol	2.625	45	15962	471.49	ppb	#	1
9) Freon-113	3.021	101	125146	9.16	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	253322	9.78	ppb		83
11) Acrolein	2.884	56	5664	8.28	ppb	#	1
12) Acetone	3.006	43	15737	10.63	ppb	#	1
13) Iodomethane	3.145	142	37621	2.18	ppb	#	73
14) Methyl Acetate	3.326	43	27442	8.04	ppb	#	1
15) Carbon disulfide	3.236	76	352607	9.67	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	5008	9.34	ppb	#	1
17) Methylene Chloride	3.462	49	176982	9.15	ppb		88
18) Acrylonitrile	3.637	53	18532	8.80	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	233165	9.54	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	216066	9.91	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	303944	9.55	ppb	#	99
22) Vinyl Acetate	4.119	43	71736	7.67	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	421532	9.01	ppb	#	56
24) Ethyl-tert-Butyl ether...	4.511	59	377850	9.67	ppb	#	79
25) cis-1,2-Dichloroethylene	4.654	61	258880	9.34	ppb	#	80
26) 2-Butanone	4.622	72	4937m	10.67	ppb		
27) 2,2-Dichloropropane	4.674	77	186834	8.68	ppb	#	90
28) Tetrahydrofuran	4.901	42	12021	8.89	ppb	#	26
29) Bromochloromethane	4.877	49	101360	9.07	ppb	#	57
30) Chloroform	4.968	83	260714	9.67	ppb	#	96
31) 1,1,1-Trichloroethane	5.145	97	275226	10.15	ppb	#	55
32) Cyclohexane	5.246	56	341179m	10.39	ppb		
33) 1,1-Dichloropropylene	5.296	75	223384	9.93	ppb	#	55
35) Carbon Tetrachloride	5.310	117	229830	10.09	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.435	59	32711	90.24	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	154903	10.11	ppb	#	99
38) Benzene	5.473	78	561386	9.28	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	245205	9.63	ppb	#	1
41) Trichloroethylene	6.107	95	161908	10.10	ppb	#	75
42) Methyl Cyclohexane	6.359	83	256550	9.50	ppb	#	42
43) Methyl Methacrylate	6.365	69	87074	9.64	ppb	#	100
44) Dibromomethane	6.415	93	50884	9.98	ppb	#	89
45) Bromodichloromethane	6.583	83	171842	10.09	ppb	#	97
46) 1,2-Dichloropropane	6.333	63	149534	9.60	ppb	#	92
47) 1,4-Dioxane	6.397	88	7131	205.66	ppb	#	86
49) cis-1,3-Dichloropropene	7.008	75	185386	9.60	ppb	#	61
50) 4-Methyl-2-Pentanone	7.127	43	44999	9.42	ppb	#	72
52) Toluene	7.356	91	638782	9.80	ppb		100

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913750.D
Acq On : 11 Sep 2020 10:13 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9091120A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 16:49:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

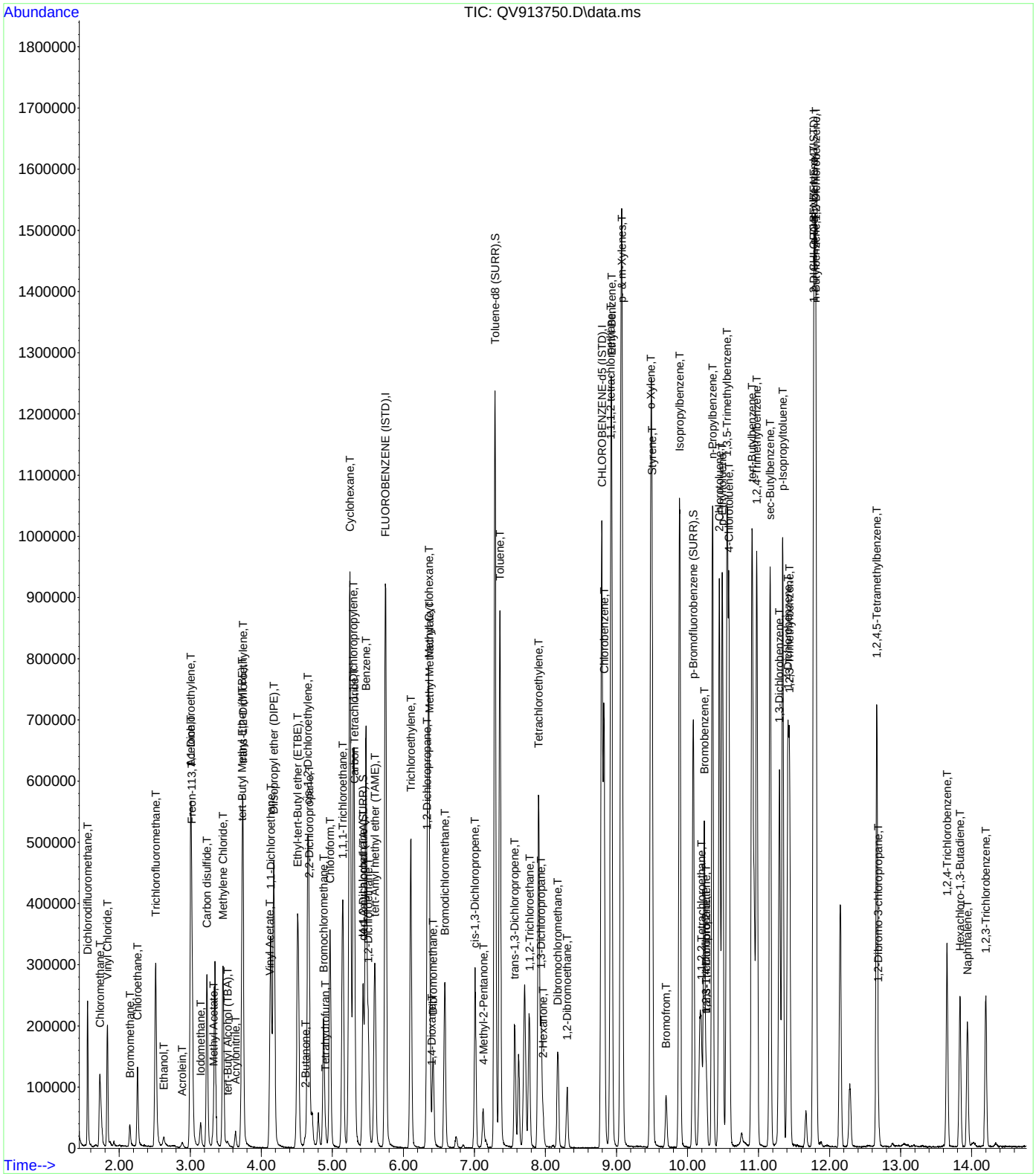
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.565	75	143638	9.95	ppb	#	99
54) 1,1,2-Trichloroethane	7.775	97	69370	9.87	ppb	#	1
55) 1,3-Dichloropropane	7.937	76	126985	10.05	ppb	#	94
56) Tetrachloroethylene	7.903	166	168650	10.65	ppb	#	100
57) 2-Hexanone	7.964	43	28690	9.69	ppb	#	1
58) Dibromochloromethane	8.173	129	83843	10.21	ppb	#	85
59) 1,2-Dibromoethane	8.306	107	64066	9.94	ppb		89
60) Chlorobenzene	8.827	112	374856	9.95	ppb	#	85
61) 1,1,1,2-tetrachloroethane	8.920	131	130642	10.52	ppb	#	44
62) Ethyl Benzene	8.931	91	759913	10.21	ppb		95
63) p- & m-Xylenes	9.074	91	1218704	20.94	ppb		92
64) o-Xylene	9.483	91	595386	10.27	ppb		96
65) Styrene	9.501	104	396573	10.34	ppb	#	82
66) Bromofrom	9.698	173	39166	9.75	ppb	#	81
68) p-Ethyltoluene	10.489	105	648359	9.62	ppb	#	97
69) Isopropylbenzene	9.887	105	779925	10.03	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.195	83	61367	9.46	ppb	#	65
72) Bromobenzene	10.236	77	246718	9.82	ppb	#	76
73) trans-1,4-Dichloro-2-b...	10.262	75	87285m	9.60	ppb		
74) 1,2,3-Trichloropropane	10.262	110	20438	10.80	ppb	#	1
75) n-Propylbenzene	10.352	91	907219	9.97	ppb	#	89
76) 2-Chlorotoluene	10.448	91	523191	9.69	ppb		98
77) 4-Chlorotoluene	10.582	91	597206	9.94	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	613805	9.97	ppb	#	60
79) tert-Butylbenzene	10.907	119	578782	9.92	ppb	#	93
80) 1,2,4-Trimethylbenzene	10.974	105	584491	9.96	ppb		93
81) sec-Butylbenzene	11.163	105	718264	9.81	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	265110	9.73	ppb		93
83) p-Isopropyltoluene	11.340	119	609953	9.89	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	253290	9.77	ppb		92
85) 1,2,3-Trimethylbenzene	11.433	105	369726	9.46	ppb	#	90
86) p-Diethylbenzene	11.776	105	293357	9.42	ppb	#	55
87) 1,2-Dichlorobenzene	11.805	146	212851	10.17	ppb	#	100
88) n-Butylbenzene	11.802	91	568908m	9.17	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	13645	9.74	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	395651	9.04	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.653	180	102777	9.44	ppb	#	10
92) Hexachloro-1,3-Butadiene	13.837	225	53228	8.76	ppb	#	63
93) Naphthalene	13.938	128	167539	8.74	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	78771	9.06	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913750.D
Acq On : 11 Sep 2020 10:13 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9091120A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Sep 11 16:49:47 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA1	Calibration:	YH00005
Lab File ID:	QV115746.D	Calibration Date:	08/05/20 16:20
Sequence:	Y0I1145	Injection Date:	09/10/20
Lab Sample ID:	Y0I1145-CCV1	Injection Time:	23:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	50.0	56.0	0.1857951	0.2082513		12.1	20	
1,1,1-Trichloroethane	A	50.0	55.1	1.308107	1.442165	0.1	10.2	20	
1,1,2,2-Tetrachloroethane	A	50.0	58.8	0.540687	0.6355164	0.3	17.5	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	59.9	0.7377899	0.8843637	0.1	19.9	20	
1,1,2-Trichloroethane	A	50.0	56.5	0.1968538	0.2223567	0.1	13.0	20	
1,1-Dichloroethane	A	50.0	56.7	1.675225	1.898621	0.2	13.3	20	
1,1-Dichloroethylene	A	50.0	59.7	1.306348	1.558969	0.1	19.3	20	
1,2,3-Trichlorobenzene	A	50.0	53.6	0.5588607	0.5995356		7.3	20	
1,2,3-Trichloropropane	A	50.0	55.4	0.1702563	0.1886299		10.8	20	
1,2,4-Trichlorobenzene	A	50.0	52.0	0.5715964	0.5941283	0.2	3.9	20	
1,2,4-Trimethylbenzene	A	50.0	54.0	1.754975	1.895572		8.0	20	
1,2-Dibromo-3-chloropropane	A	50.0	51.2	0.1241411	0.1270612	0.05	2.4	20	
1,2-Dibromoethane	A	50.0	55.3	0.1985736	0.2195623	0.1	10.6	20	
1,2-Dichlorobenzene	A	50.0	54.9	0.8944064	0.9818468	0.4	9.8	20	
1,2-Dichloroethane	A	50.0	54.3	1.3099	1.421536	0.1	8.5	20	
1,2-Dichloropropane	A	50.0	56.8	0.2411802	0.2741449	0.1	13.7	20	
1,3,5-Trimethylbenzene	A	50.0	54.7	1.763666	1.930538		9.5	20	
1,3-Dichlorobenzene	A	50.0	53.1	0.9248781	0.9829518	0.6	6.3	20	
1,4-Dichlorobenzene	A	50.0	53.9	0.9275441	0.9994007	0.5	7.7	20	
1,4-Dioxane	A	1000	1170	2.867726E-03	3.342543E-03		16.6	20	
2-Butanone	A	50.0	60.5	0.1341713	0.1623793	0.1	21.0	20	*
2-Hexanone	A	50.0	55.7	0.1763906	0.1963516	0.1	11.3	20	
4-Methyl-2-pentanone	A	50.0	56.3	0.2451571	0.2760075	0.1	12.6	20	
Acetone	A	50.0	52.1	0.4944566	0.515011	0.1	4.2	20	
Acrolein	A	50.0	48.2	0.1430353	0.1377832		-3.7	20	
Acrylonitrile	A	50.0	59.3	0.4492529	0.5324882		18.5	20	
Benzene	A	50.0	58.3	3.479749	4.058998	0.5	16.6	20	
Bromochloromethane	A	50.0	58.0	0.8224407	0.9539722		16.0	20	
Bromodichloromethane	A	50.0	55.5	0.2835421	0.3144941	0.2	10.9	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA1	Calibration:	YH00005
Lab File ID:	QV115746.D	Calibration Date:	08/05/20 16:20
Sequence:	Y0I1145	Injection Date:	09/10/20
Lab Sample ID:	Y0I1145-CCV1	Injection Time:	23:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Bromoform	A	50.0	57.1	0.1150331	0.1314526	0.1	14.3	20
Bromomethane	A	50.0	71.7	0.341533	0.4896748	0.1	43.4	20 *
Carbon disulfide	A	50.0	65.0	2.302804	2.992538	0.1	30.0	20 *
Carbon tetrachloride	A	50.0	56.1	1.059873	1.188263	0.1	12.1	20
Chlorobenzene	A	50.0	55.7	0.6015374	0.6705153	0.5	11.5	20
Chloroethane	A	50.0	82.2	0.3251376	0.5348337	0.1	64.5	20 *
Chloroform	A	50.0	56.1	1.55358	1.742247	0.2	12.1	20
Chloromethane	A	50.0	74.9	0.6701858	1.004242	0.1	49.8	20 *
cis-1,2-Dichloroethylene	A	50.0	56.5	1.555397	1.757221	0.1	13.0	20
cis-1,3-Dichloropropylene	A	50.0	55.3	0.3386966	0.3746295	0.2	10.6	20
Cyclohexane	A	50.0	58.5	1.684113	1.971682	0.1	17.1	20
Dibromochloromethane	A	50.0	56.5	0.1951224	0.2203673	0.1	12.9	20
Dibromomethane	A	50.0	54.7	0.1389798	0.1521662		9.5	20
Dichlorodifluoromethane	A	50.0	88.2	0.4832965	0.8530634	0.1	76.5	20 *
Ethyl Benzene	A	50.0	55.6	1.04159	1.158645	0.1	11.2	20
Hexachlorobutadiene	A	50.0	52.8	0.3353299	0.3538707		5.5	20
Isopropylbenzene	A	50.0	55.9	2.136338	2.387231	0.1	11.7	20
Methyl acetate	A	50.0	56.7	0.8147794	0.9236892	0.1	13.4	20
Methyl tert-butyl ether (MTBE)	A	50.0	55.4	2.386426	2.646237	0.1	10.9	20
Methylcyclohexane	A	50.0	57.9	0.3919989	0.454206	0.1	15.9	20
Methylene chloride	A	50.0	59.1	1.171363	1.385115	0.1	18.2	20
n-Butylbenzene	A	50.0	53.9	2.125236	2.290311		7.8	20
n-Propylbenzene	A	50.0	55.4	2.552575	2.828154		10.8	20
o-Xylene	A	50.0	55.4	0.8297224	0.9185993	0.3	10.7	20
p- & m- Xylenes	A	100	112	0.7875437	0.8781212	0.1	11.5	20
p-Isopropyltoluene	A	50.0	54.2	1.928071	2.088643		8.3	20
sec-Butylbenzene	A	50.0	55.3	2.242885	2.479479		10.5	20
Styrene	A	50.0	56.8	0.6482046	0.7358602	0.3	13.5	20
tert-Butyl alcohol (TBA)	L	50.0	48.9	0.1670271	0.1270101		-2.3	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA1	Calibration:	YH00005
Lab File ID:	QV115746.D	Calibration Date:	08/05/20 16:20
Sequence:	Y0I1145	Injection Date:	09/10/20
Lab Sample ID:	Y0I1145-CCV1	Injection Time:	23:31

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
tert-Butylbenzene	A	50.0	54.8	1.720265	1.885821		9.6	20	
Tetrachloroethylene	A	50.0	57.6	0.2320061	0.2673245	0.2	15.2	20	
Toluene	A	50.0	56.0	0.9250869	1.035726	0.4	12.0	20	
trans-1,2-Dichloroethylene	A	50.0	57.8	1.306826	1.511353	0.1	15.7	20	
trans-1,3-Dichloropropylene	A	50.0	54.4	0.2966532	0.3224454	0.1	8.7	20	
trans-1,4-dichloro-2-butene	A	50.0	55.2	0.596334	0.6583989		10.4	20	
Trichloroethylene	A	50.0	55.0	0.2223867	0.2447823	0.2	10.1	20	
Trichlorofluoromethane	A	50.0	77.3	1.058772	1.635948	0.1	54.5	20	*
Vinyl Chloride	A	50.0	80.2	0.6466342	1.03784	0.1	60.5	20	*

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115746.D
Acq On : 10 Sep 2020 11:31 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV1091020B
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 11 07:34:03 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.007	70	559357	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2344009	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.925	152	1154727	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.698	65	855081	48.73	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.46%				
54) Toluene-d8 (SURR)	6.515	98	2952133	51.03	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 102.06%				
73) p-Bromofluorobenzene (...	9.236	95	1140935	46.63	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 93.26%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.187	85	477167	88.25	ppb		99
3) Chloromethane	1.329	50	561730	74.92	ppb		99
4) Vinyl Chloride	1.407	62	580523	80.25	ppb	#	86
5) Bromomethane	1.660	94	273903	71.69	ppb		99
6) Allyl Chloride	2.717	76	303761	59.36	ppb	#	100
7) Chloroethane	1.744	64	299163	82.25	ppb		99
8) Trichlorofluoromethane	1.952	101	915079	77.26	ppb		98
9) Ethanol	2.153	45	238066	3009.00	ppb		82
10) Freon-113	2.403	101	494675	59.93	ppb	#	92
11) 1,1-Dichloroethylene	2.398	61	872020	59.67	ppb		93
12) Acrolein	2.322	56	77070	48.16	ppb		96
13) Acetone	2.462	43	288075	52.08	ppb	#	38
14) Iodomethane	2.528	142	483293	70.03	ppb	#	20
15) Methyl Acetate	2.751	43	516672	56.68	ppb		97
16) Carbon disulfide	2.581	76	1673897	64.98	ppb		100
17) tert-Butyl Alcohol (TBA)	2.954	59	71044	48.87	ppb	#	1
18) Methylene Chloride	2.826	49	774774	59.12	ppb		93
19) Acrylonitrile	3.054	53	297851	59.26	ppb		95
20) trans-1,2-Dichloroethy...	3.065	61	845386	57.83	ppb		94
21) tert-Butyl Methyl Ethe...	3.076	73	1480191	55.44	ppb		98
22) 1,1-Dichloroethane	3.438	63	1062007	56.67	ppb	#	99
23) Vinyl Acetate	3.499	43	1511316	56.29	ppb		100
24) Diisopropyl ether (DIPE)	3.510	45	1836745	55.87	ppb		98
25) Ethyl-tert-Butyl ether...	3.833	59	1664094	52.82	ppb	#	97
26) cis-1,2-Dichloroethylene	3.958	61	982914	56.49	ppb	#	81
27) 2-Butanone	3.983	72	90828	60.51	ppb		90
28) 2,2-Dichloropropane	3.953	77	660632	51.36	ppb	#	77
29) Tetrahydrofuran	4.217	42	213954	57.91	ppb		95
30) Bromochloromethane	4.170	49	533611	58.00	ppb		88
31) Chloroform	4.250	83	974538	56.07	ppb		99
32) 1,1,1-Trichloroethane	4.406	97	806685	55.12	ppb	#	85
33) Cyclohexane	4.454	56	1102874	58.54	ppb		88
34) 1,1-Dichloropropylene	4.559	75	776093	57.74	ppb		82
36) Carbon Tetrachloride	4.557	117	664663	56.06	ppb		99
37) tert-Amyl alcohol (TAA)	4.771	59	538205	547.69	ppb	#	100
38) 1,2-Dichloroethane	4.768	62	795146m	54.26	ppb		
39) Benzene	4.746	78	2270429	58.32	ppb	#	97
40) tert-Amyl methyl ether...	4.857	73	1380833	54.19	ppb	#	89
42) Trichloroethylene	5.344	95	573772	55.04	ppb		90
43) Methyl Cyclohexane	5.519	83	1064663	57.93	ppb	#	81
44) Methyl Methacrylate	5.678	69	447111	57.33	ppb	#	99
45) Dibromomethane	5.667	93	356679	54.74	ppb		95
46) Bromodichloromethane	5.822	83	737177	55.46	ppb		97
47) 1,2-Dichloropropane	5.558	63	642598	56.83	ppb	#	98
48) 1,4-Dioxane	5.700	88	156699	1165.57	ppb		85
49) 2-Chloroethyl vinyl ether	6.123	63	349379	62.23	ppb		98
50) 2-nitropropane	6.048	43	117757	45.27	ppb	#	100
51) cis-1,3-Dichloropropene	6.257	75	878135	55.30	ppb		94

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115746.D
Acq On : 10 Sep 2020 11:31 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV1091020B
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 11 07:34:03 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

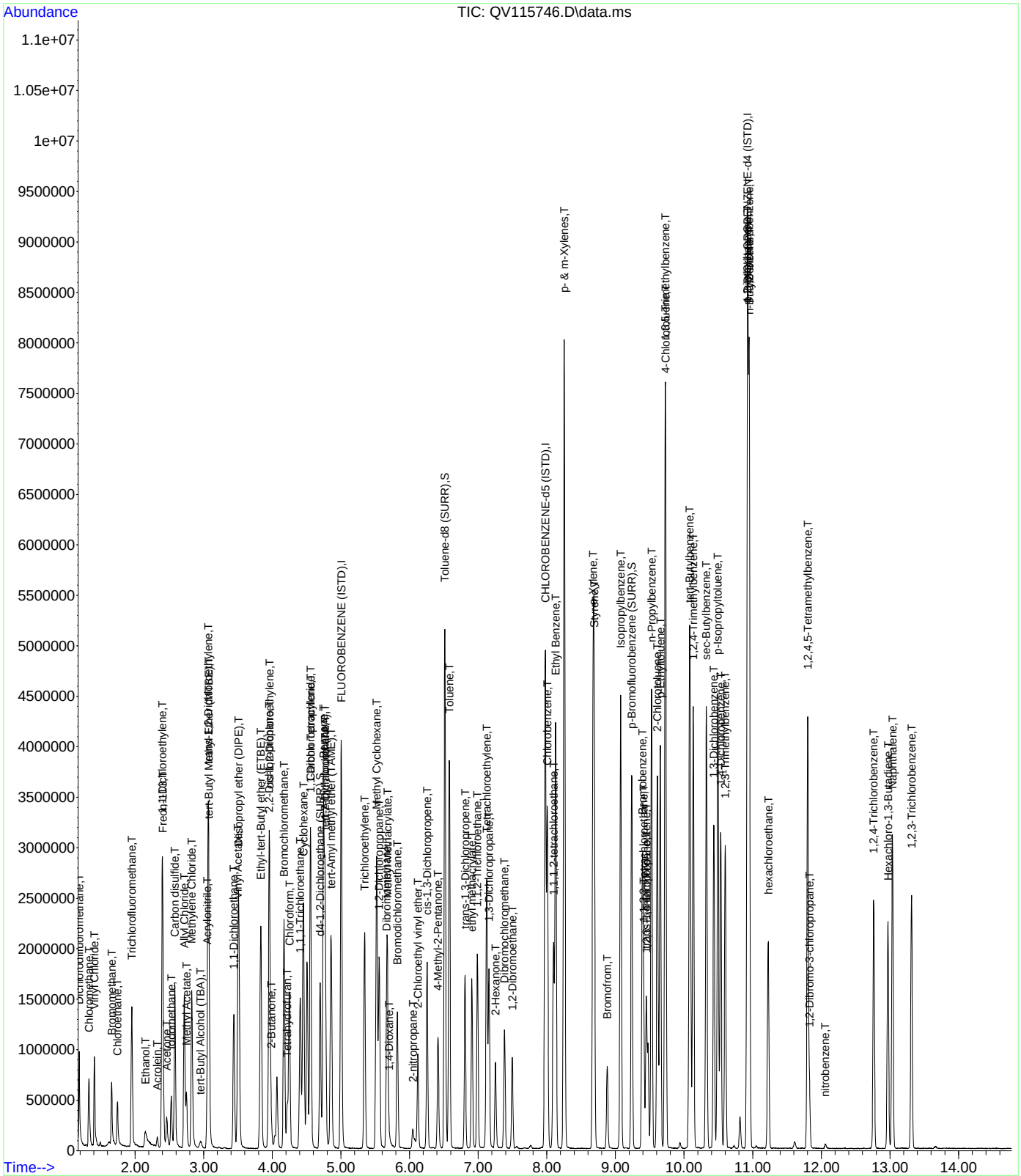
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.908	69	772012	57.28	ppb	#	100
53) 4-Methyl-2-Pentanone	6.415	43	646964	56.29	ppb		95
55) Toluene	6.579	91	2427751	55.98	ppb		100
56) trans-1,3-Dichloropropene	6.810	75	755815	54.35	ppb	#	88
57) 1,1,2-Trichloroethane	6.988	97	521206	56.48	ppb		97
58) 1,3-Dichloropropane	7.158	76	890594	55.20	ppb	#	99
59) Tetrachloroethylene	7.125	166	626611	57.61	ppb	#	71
60) 2-Hexanone	7.253	43	460250	55.66	ppb		93
61) Dibromochloromethane	7.383	129	516543	56.47	ppb		98
62) 1,2-Dibromoethane	7.497	107	514656	55.28	ppb		99
63) Chlorobenzene	8.009	112	1571694	55.73	ppb		94
64) 1,1,1,2-tetrachloroethane	8.098	131	488143	56.04	ppb	#	57
65) Ethyl Benzene	8.129	91	2715875	55.62	ppb		100
66) p- & m-Xylenes	8.254	91	4116648	111.50	ppb		98
67) o-Xylene	8.674	91	2153205	55.36	ppb		99
68) Styrene	8.691	104	1724863	56.76	ppb	#	100
69) Bromofrom	8.880	173	308126	57.14	ppb	#	81
71) p-Ethyltoluene	9.654	105	2505871	53.57	ppb	#	100
72) Isopropylbenzene	9.078	105	2756600	55.87	ppb		97
74) 1,1,2,2-Tetrachloroethane	9.412	83	733848	58.77	ppb	#	100
75) Bromobenzene	9.392	77	1011932	52.48	ppb		84
76) trans-1,4-Dichloro-2-b...	9.450	75	760271	55.20	ppb		97
77) 1,2,3-Trichloropropane	9.453	110	217816	55.40	ppb		68
78) n-Propylbenzene	9.526	91	3265746	55.40	ppb		98
79) 2-Chlorotoluene	9.609	91	1864537	53.10	ppb		99
80) 4-Chlorotoluene	9.732	91	2175969	53.57	ppb		83
81) 1,3,5-Trimethylbenzene	9.726	105	2229244m	54.73	ppb		
82) tert-Butylbenzene	10.079	119	2177609	54.81	ppb		99
83) 1,2,4-Trimethylbenzene	10.135	105	2188868	54.01	ppb		94
84) sec-Butylbenzene	10.324	105	2863121	55.27	ppb		98
85) hexachloroethane	11.228	117	385713	49.75	ppb	#	100
86) 1,3-Dichlorobenzene	10.433	146	1135041	53.14	ppb		95
87) p-Isopropyltoluene	10.491	119	2411813	54.16	ppb		98
88) 1,4-Dichlorobenzene	10.536	146	1154035	53.87	ppb		96
89) 1,2,3-Trimethylbenzene	10.600	105	1580070	41.38	ppb		99
90) nitrobenzene	12.055	77	22735	49.30	ppb	#	100
91) p-Diethylbenzene	10.925	105	1266852	52.99	ppb		87
92) 1,2-Dichlorobenzene	10.947	146	1133765m	54.89	ppb		
93) n-Butylbenzene	10.950	91	2644684m	53.88	ppb		
94) 1,2-Dibromo-3-chloropr...	11.827	75	146721	51.18	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.802	119	2086594	52.75	ppb		98
96) 1,2,4-Trichlorobenzene	12.761	180	686056	51.97	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.973	225	408624	52.76	ppb		85
98) Naphthalene	13.037	128	2260126	52.21	ppb		99
99) 1,2,3-Trichlorobenzene	13.315	180	692300	53.64	ppb		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115746.D
Acq On : 10 Sep 2020 11:31 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV1091020B
ALS Vial : 29 Sample Multiplier: 1

Quant Time: Sep 11 07:34:03 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414180.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1147	Injection Date:	09/11/20
Lab Sample ID:	Y0I1147-CCV1	Injection Time:	12:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1,1,2-Tetrachloroethane	L	50.0	37.5	0.1807482	0.1709031		-25.0	20 *
1,1,1-Trichloroethane	A	50.0	42.5	1.35124	1.147879	0.1	-15.0	20
1,1,2,2-Tetrachloroethane	A	50.0	48.2	0.3975603	0.383611	0.3	-3.5	20
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	50.0	52.6	0.7931214	0.8348336	0.1	5.3	20
1,1,2-Trichloroethane	A	50.0	49.2	0.1493515	0.1468581	0.1	-1.7	20
1,1-Dichloroethane	A	50.0	49.2	1.504345	1.479105	0.2	-1.7	20
1,1-Dichloroethylene	A	50.0	51.4	1.291159	1.32593	0.1	2.7	20
1,2,3-Trichlorobenzene	A	50.0	47.6	0.4852821	0.4618749		-4.8	20
1,2,3-Trichloropropane	A	50.0	42.5	0.1367891	0.1162546		-15.0	20
1,2,4-Trichlorobenzene	A	50.0	46.8	0.5611112	0.5248957	0.2	-6.5	20
1,2,4-Trimethylbenzene	A	50.0	44.3	2.081242	1.842362		-11.5	20
1,2-Dibromo-3-chloropropane	A	50.0	41.1	8.356553E-02	6.872033E-02	0.05	-17.8	20
1,2-Dibromoethane	A	50.0	48.0	0.1544719	0.1482082	0.1	-4.1	20
1,2-Dichlorobenzene	A	50.0	48.5	0.8566001	0.8304329	0.4	-3.1	20
1,2-Dichloroethane	A	50.0	39.0	1.130085	0.8822487	0.1	-21.9	20 *
1,2-Dichloropropane	A	50.0	49.1	0.2156655	0.211683	0.1	-1.8	20
1,3,5-Trimethylbenzene	A	50.0	43.3	2.02041	1.749654		-13.4	20
1,3-Dichlorobenzene	A	50.0	48.4	0.9349307	0.905219	0.6	-3.2	20
1,4-Dichlorobenzene	A	50.0	47.3	0.9055455	0.8571965	0.5	-5.3	20
1,4-Dioxane	A	1000	1150	1.484957E-03	1.714306E-03		15.4	20
2-Butanone	A	50.0	55.6	0.0539544	6.005018E-02	0.1	11.3	20
2-Hexanone	A	50.0	46.8	0.1236723	0.1156279	0.1	-6.5	20
4-Methyl-2-pentanone	A	50.0	46.6	0.1749533	0.1628797	0.1	-6.9	20
Acetone	A	50.0	32.7	0.2819448	0.1844032	0.1	-34.6	20 *
Acrolein	L	50.0	80.8	6.800527E-02	0.0699766		61.7	20 *
Acrylonitrile	A	50.0	58.5	0.179878	0.2104138		17.0	20
Benzene	A	50.0	54.9	2.946759	3.235564	0.5	9.8	20
Bromochloromethane	A	50.0	46.6	0.6780198	0.631587		-6.8	20
Bromodichloromethane	A	50.0	41.5	0.2755562	0.2286935	0.2	-17.0	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414180.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1147	Injection Date:	09/11/20
Lab Sample ID:	Y0I1147-CCV1	Injection Time:	12:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Bromoform	L	50.0	34.7	7.283191E-02	6.737487E-02	0.1	-30.6	20 *
Bromomethane	A	50.0	37.2	0.3861049	0.28684	0.1	-25.7	20 *
Carbon disulfide	A	50.0	62.0	2.018406	2.504974	0.1	24.1	20 *
Carbon tetrachloride	A	50.0	43.4	1.026493	0.8918402	0.1	-13.1	20
Chlorobenzene	A	50.0	49.7	0.5589409	0.5556709	0.5	-0.6	20
Chloroethane	A	50.0	37.1	0.5148365	0.3818132	0.1	-25.8	20 *
Chloroform	A	50.0	44.2	1.437048	1.27114	0.2	-11.5	20
Chloromethane	A	50.0	62.6	0.9743763	1.220878	0.1	25.3	20 *
cis-1,2-Dichloroethylene	A	50.0	47.2	1.356842	1.281874	0.1	-5.5	20
cis-1,3-Dichloropropylene	A	50.0	47.6	0.3403912	0.3240299	0.2	-4.8	20
Cyclohexane	A	50.0	53.1	1.437963	1.526832	0.1	6.2	20
Dibromochloromethane	A	50.0	44.6	0.1552863	0.1385496	0.1	-10.8	20
Dibromomethane	A	50.0	45.9	0.1131589	0.1038323		-8.2	20
Dichlorodifluoromethane	Q	50.0	52.4	0.5226794	0.6523678	0.1	4.7	20
Ethyl Benzene	A	50.0	47.1	1.138782	1.072775	0.1	-5.8	20
Hexachlorobutadiene	A	50.0	40.7	0.3344537	0.2723539		-18.6	20
Isopropylbenzene	A	50.0	44.4	2.337246	2.07588	0.1	-11.2	20
Methyl acetate	A	50.0	47.5	0.5221214	0.4960339	0.1	-5.0	20
Methyl tert-butyl ether (MTBE)	A	50.0	47.9	1.923452	1.84333	0.1	-4.2	20
Methylcyclohexane	A	50.0	52.0	0.3908827	0.4067147	0.1	4.1	20
Methylene chloride	A	50.0	49.0	1.029307	1.009466	0.1	-1.9	20
n-Butylbenzene	A	50.0	44.0	2.690516	2.366126		-12.1	20
n-Propylbenzene	A	50.0	45.5	3.035225	2.762171		-9.0	20
o-Xylene	A	50.0	45.0	0.9050673	0.8153153	0.3	-9.9	20
p- & m- Xylenes	A	100	95.5	0.913102	0.8716963	0.1	-4.5	20
p-Isopropyltoluene	A	50.0	45.5	2.291279	2.086497		-8.9	20
sec-Butylbenzene	A	50.0	45.5	2.537086	2.309309		-9.0	20
Styrene	A	50.0	49.3	0.6260358	0.6171648	0.3	-1.4	20
tert-Butyl alcohol (TBA)	A	50.0	50.9	6.071175E-02	6.182314E-02		1.8	20

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20I0216
Client:	Walden Associates	Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Instrument ID:	QVOA4	Calibration:	YH00003
Lab File ID:	QV414180.D	Calibration Date:	08/04/20 16:15
Sequence:	Y0I1147	Injection Date:	09/11/20
Lab Sample ID:	Y0I1147-CCV1	Injection Time:	12:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butylbenzene	A	50.0	44.1	1.693168	1.492408		-11.9	20
Tetrachloroethylene	A	50.0	48.6	0.1965813	0.1909948	0.2 *	-2.8	20
Toluene	A	50.0	49.4	0.9136906	0.9019419	0.4	-1.3	20
trans-1,2-Dichloroethylene	A	50.0	50.0	1.147794	1.148967	0.1	0.1	20
trans-1,3-Dichloropropylene	A	50.0	45.6	0.3072891	0.2803467	0.1	-8.8	20
trans-1,4-dichloro-2-butene	A	50.0	47.8	0.5094398	0.4867337		-4.5	20
Trichloroethylene	A	50.0	47.8	0.222235	0.2123889	0.2	-4.4	20
Trichlorofluoromethane	A	50.0	37.9	1.617571	1.225436	0.1	-24.2	20 *
Vinyl Chloride	A	50.0	62.1	0.9124362	1.133709	0.1	24.3	20 *

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414180.D
Acq On : 11 Sep 2020 12:03 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4091120A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 17:45:01 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	650889	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2416925	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	1220614	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	788038	38.76	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 77.52%				
54) Toluene-d8 (SURR)	6.366	98	3257440	50.32	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.64%				
73) p-Bromofluorobenzene (...	9.104	95	1242659	43.76	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 87.52%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.118	85	424619	52.37	ppb	#	86
3) Chloromethane	1.297	50	794656	62.65	ppb	#	94
4) Vinyl Chloride	1.335	62	737919	62.13	ppb		100
5) Bromomethane	1.580	94	186701	37.15	ppb		98
6) Allyl Chloride	2.613	76	304115	59.02	ppb	#	100
7) Chloroethane	1.655	64	248518	37.08	ppb		99
8) Trichlorofluoromethane	1.839	101	797623	37.88	ppb		97
9) Ethanol	2.095	45	220886	2359.98	ppb		82
10) Freon-113	2.265	101	543384	52.63	ppb	#	91
11) 1,1-Dichloroethylene	2.284	61	863033	51.35	ppb		97
12) Acrolein	2.251	56	45547	80.84	ppb		94
13) Acetone	2.387	43	120026	32.70	ppb	#	42
14) Iodomethane	2.432	142	561598	64.65	ppb	#	20
15) Methyl Acetate	2.649	43	322863	47.50	ppb		96
16) Carbon disulfide	2.471	76	1630460	62.05	ppb		100
17) tert-Butyl Alcohol (TBA)	2.896	59	40240	50.92	ppb	#	1
18) Methylene Chloride	2.743	49	657050	49.04	ppb		94
19) Acrylonitrile	2.999	53	136956	58.49	ppb		99
20) trans-1,2-Dichloroethy...	2.952	61	747850	50.05	ppb		95
21) tert-Butyl Methyl Ethe...	2.941	73	1199803	47.92	ppb		99
22) 1,1-Dichloroethane	3.336	63	962733	49.16	ppb	#	96
23) Vinyl Acetate	3.383	43	695850	52.80	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	1708634	46.71	ppb		97
25) Ethyl-tert-Butyl ether...	3.673	59	1423402	45.19	ppb	#	97
26) cis-1,2-Dichloroethylene	3.862	61	834358	47.24	ppb		94
27) 2-Butanone	3.901	72	39086	55.65	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	793014	45.01	ppb	#	90
29) Tetrahydrofuran	4.118	42	138092	53.05	ppb		83
30) Bromochloromethane	4.087	49	411093	46.58	ppb		87
31) Chloroform	4.157	83	827371	44.23	ppb		99
32) 1,1,1-Trichloroethane	4.271	97	747142	42.48	ppb		99
33) Cyclohexane	4.285	56	993798	53.09	ppb		93
34) 1,1-Dichloropropylene	4.418	75	738940	48.29	ppb		78
36) Carbon Tetrachloride	4.410	117	580489	43.44	ppb	#	92
37) tert-Amyl alcohol (TAA)	4.685	59	373352	553.10	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	574246m	39.03	ppb		
39) Benzene	4.616	78	2105993	54.90	ppb	#	91
40) tert-Amyl methyl ether...	4.696	73	1439352	50.09	ppb	#	92
42) Trichloroethylene	5.211	95	513328	47.78	ppb		86
43) Methyl Cyclohexane	5.334	83	982999	52.03	ppb	#	83
44) Methyl Methacrylate	5.551	69	278011	52.03	ppb	#	97
45) Dibromomethane	5.578	93	250955	45.88	ppb		93
46) Bromodichloromethane	5.731	83	552735	41.50	ppb		98
47) 1,2-Dichloropropane	5.445	63	511622	49.08	ppb	#	98
48) 1,4-Dioxane	5.598	88	82867	1154.45	ppb		90
49) 2-Chloroethyl vinyl ether	6.010	63	235553	54.21	ppb		98
50) 2-nitropropane	5.979	43	36954	49.67	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	783156	47.60	ppb		97

Data Path : C:\msdchem\1\data\091120\
Data File : QV414180.D
Acq On : 11 Sep 2020 12:03 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4091120A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 17:45:01 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

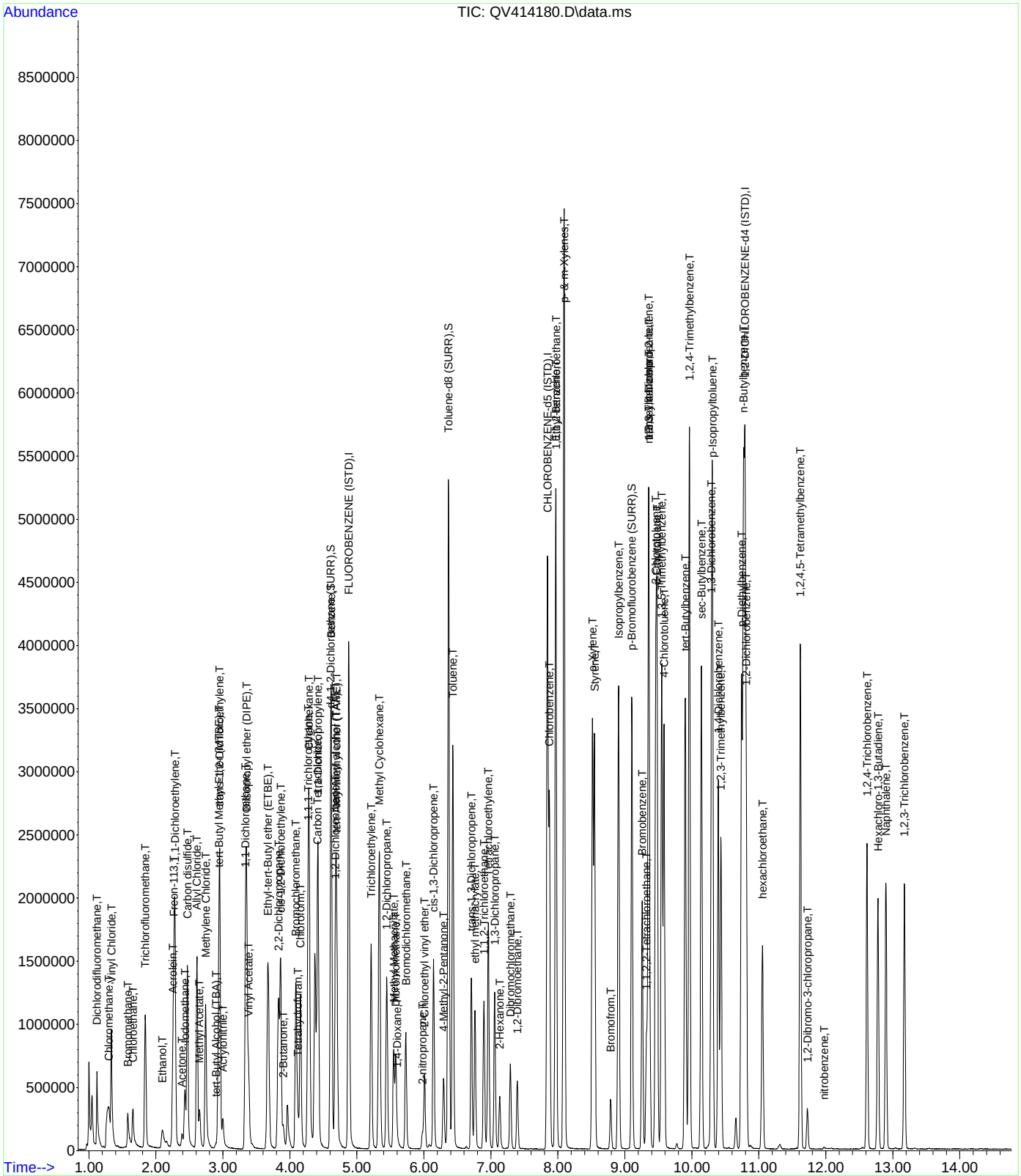
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
52) ethyl methacrylate	6.764	69	533487	50.52	ppb	#	100
53) 4-Methyl-2-Pentanone	6.293	43	393668	46.55	ppb	#	88
55) Toluene	6.433	91	2179926	49.36	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	677577	45.62	ppb		99
57) 1,1,2-Trichloroethane	6.897	97	354945	49.17	ppb		98
58) 1,3-Dichloropropane	7.056	76	670292	46.92	ppb	#	94
59) Tetrachloroethylene	6.961	166	461620	48.58	ppb		95
60) 2-Hexanone	7.134	43	279464	46.75	ppb		94
61) Dibromochloromethane	7.292	129	334864	44.61	ppb	#	97
62) 1,2-Dibromoethane	7.392	107	358208	47.97	ppb		99
63) Chlorobenzene	7.874	112	1343015	49.71	ppb		92
64) 1,1,1,2-tetrachloroethane	7.971	131	413060	37.52	ppb	#	55
65) Ethyl Benzene	7.968	91	2592817	47.10	ppb		96
66) p- & m-Xylenes	8.094	91	4213649	95.47	ppb		94
67) o-Xylene	8.516	91	1970556	45.04	ppb		98
68) Styrene	8.547	104	1491641	49.29	ppb	#	100
69) Bromofrom	8.786	173	162840	34.70	ppb	#	80
71) p-Ethyltoluene	9.482	105	2509962	44.79	ppb	#	97
72) Isopropylbenzene	8.906	105	2533848	44.41	ppb		96
74) 1,1,2,2-Tetrachloroethane	9.321	83	468241	48.25	ppb	#	100
75) Bromobenzene	9.257	77	891495	42.69	ppb		76
76) trans-1,4-Dichloro-2-b...	9.357	75	594114	47.77	ppb	#	63
77) 1,2,3-Trichloropropane	9.357	110	141902	42.49	ppb		87
78) n-Propylbenzene	9.354	91	3371545	45.50	ppb		96
79) 2-Chlorotoluene	9.462	91	2094843	42.96	ppb		98
80) 4-Chlorotoluene	9.585	91	2108054	43.00	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	2135652m	43.30	ppb		
82) tert-Butylbenzene	9.902	119	1821654	44.07	ppb		90
83) 1,2,4-Trimethylbenzene	9.963	105	2248813	44.26	ppb		92
84) sec-Butylbenzene	10.141	105	2818775	45.51	ppb		96
85) hexachloroethane	11.054	117	302646	36.38	ppb	#	100
86) 1,3-Dichlorobenzene	10.292	146	1104923	48.41	ppb		93
87) p-Isopropyltoluene	10.308	119	2546808	45.53	ppb		96
88) 1,4-Dichlorobenzene	10.394	146	1046306	47.33	ppb		93
89) 1,2,3-Trimethylbenzene	10.433	105	1427706	31.83	ppb		97
90) nitrobenzene	11.975	77	4211m	38.08	ppb		
91) p-Diethylbenzene	10.742	105	1323632	45.12	ppb	#	23
92) 1,2-Dichlorobenzene	10.812	146	1013638	48.47	ppb	#	88
93) n-Butylbenzene	10.770	91	2888127m	43.97	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	83881	41.12	ppb	#	79
95) 1,2,4,5-Tetramethylben...	11.619	119	2165299	44.14	ppb		94
96) 1,2,4-Trichlorobenzene	12.615	180	640695	46.77	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	332439	40.72	ppb		82
98) Naphthalene	12.896	128	1628365	49.22	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	563771	47.59	ppb		81

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414180.D
Acq On : 11 Sep 2020 12:03 pm
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV4091120A
ALS Vial : 6 Sample Multiplier: 1

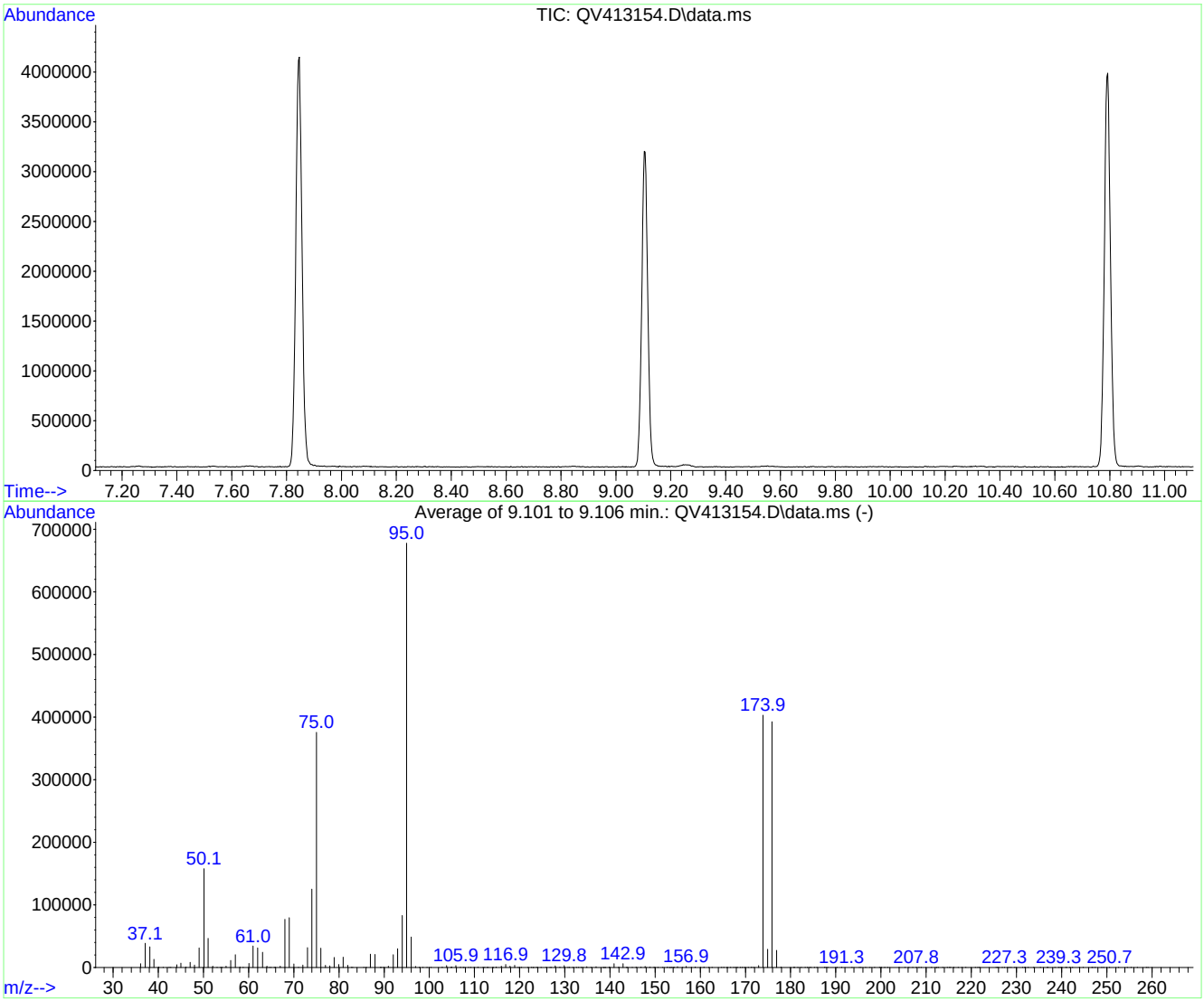
Quant Time: Sep 11 17:45:01 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



Data Path : C:\msdchem\1\data\080420\
Data File : QV413154.D
Acq On : 4 Aug 2020 4:15 pm
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4080420A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



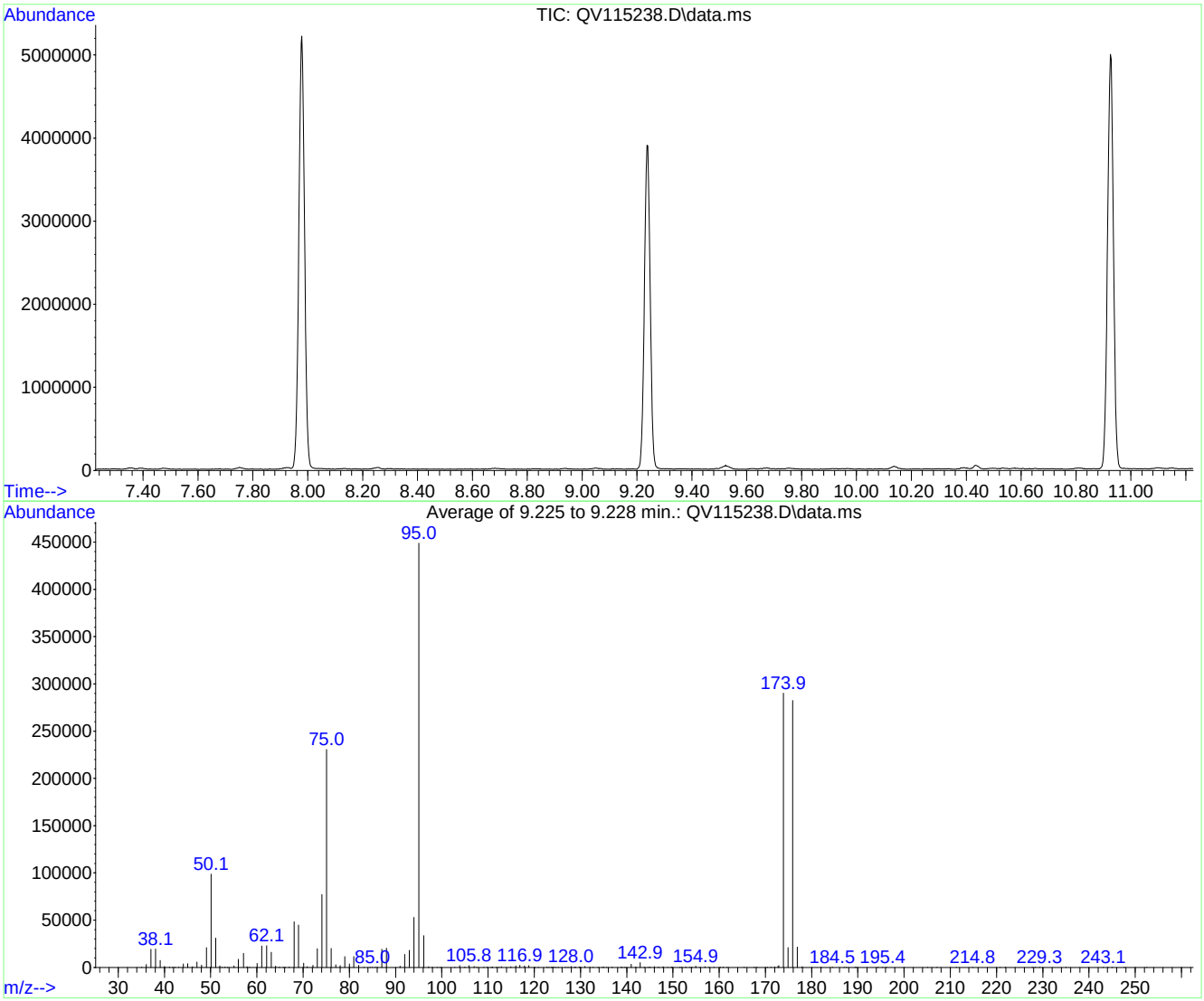
Spectrum Information: Average of 9.101 to 9.106 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	157568	PASS
75	95	30	60	55.4	375552	PASS
95	95	100	100	100.0	677739	PASS
96	95	5	9	7.1	48339	PASS
173	174	0.00	2	0.7	2742	PASS
174	95	50	100	59.5	403229	PASS
175	174	5	9	7.1	28795	PASS
176	174	95	101	97.4	392704	PASS
177	176	5	9	6.9	27075	PASS

Data Path : C:\msdchem\1\data\080520A\
Data File : QV115238.D
Acq On : 5 Aug 2020 4:20 pm
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV1080520A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ1S0035.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Fri Aug 07 10:18:47 2020
InstName : QVOA1



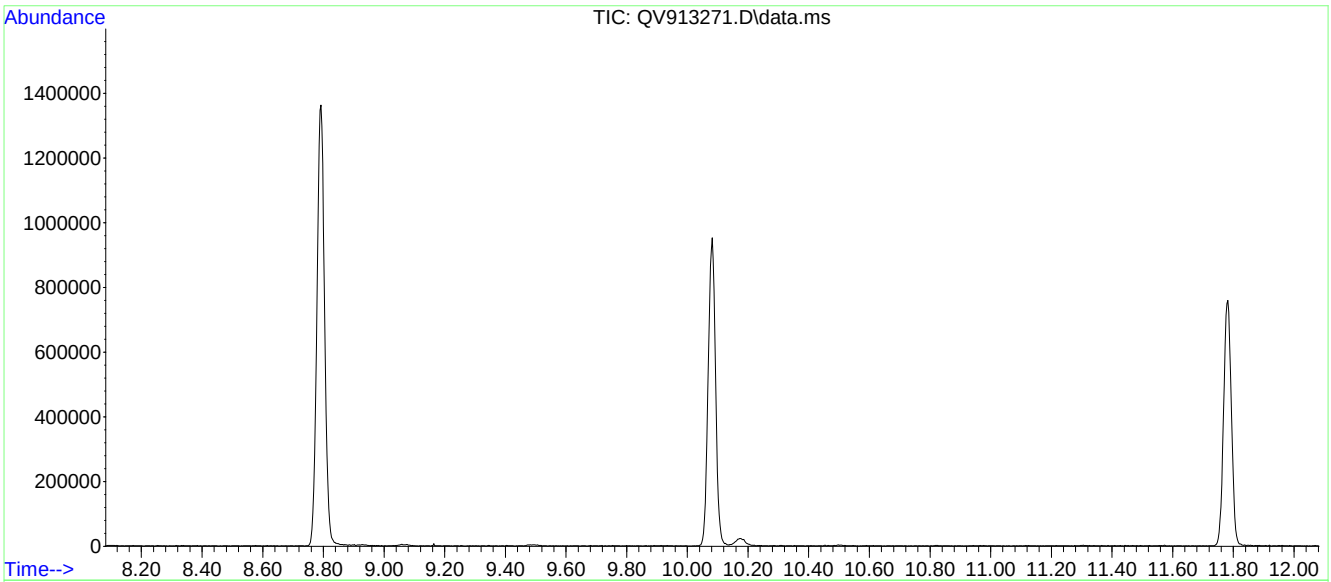
Spectrum Information: Average of 9.225 to 9.228 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.0	98568	PASS
75	95	30	60	51.4	230496	PASS
95	95	100	100	100.0	448768	PASS
96	95	5	9	7.5	33600	PASS
173	174	0.00	2	0.6	1883	PASS
174	95	50	100	64.7	290272	PASS
175	174	5	9	7.2	20860	PASS
176	174	95	101	97.3	282400	PASS
177	176	5	9	7.6	21440	PASS

Data Path : C:\msdchem\1\data\082520A\
Data File : QV913271.D
Acq On : 26 Aug 2020 1:52 am
Operator : TMP
Misc : QBQV9081920A
Sample : SEQ-TUN1 Inst : QVOA9
ALS Vial : 13 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ9LO029.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Wed Aug 26 10:44:13 2020



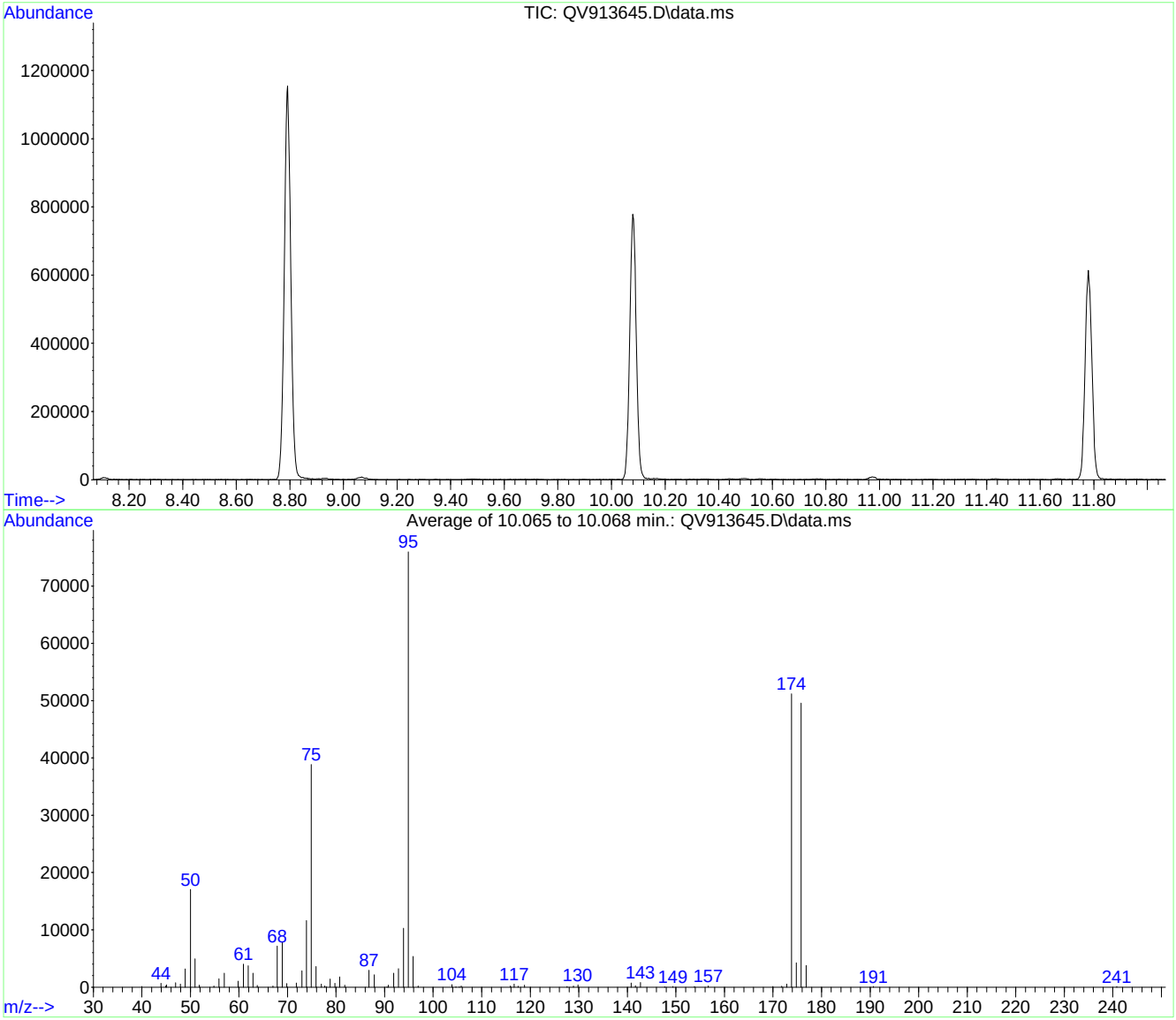
Spectrum Information: Average of 10.079 to 10.085 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.8	42427	PASS
75	95	30	60	50.9	103773	PASS
95	95	100	100	100.0	204075	PASS
96	95	5	9	6.7	13687	PASS
173	174	0.00	2	0.6	936	PASS
174	95	50	100	72.3	147456	PASS
175	174	5	9	7.3	10699	PASS
176	174	95	101	95.1	140288	PASS
177	176	5	9	7.0	9831	PASS

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913645.D
Acq On : 8 Sep 2020 9:59 pm
Operator : TMP
Misc : QBQV9090820B
Sample : SEQ-TUN1 Inst : QVOA9
ALS Vial : 28 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ9LO029.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Wed Aug 26 10:44:13 2020



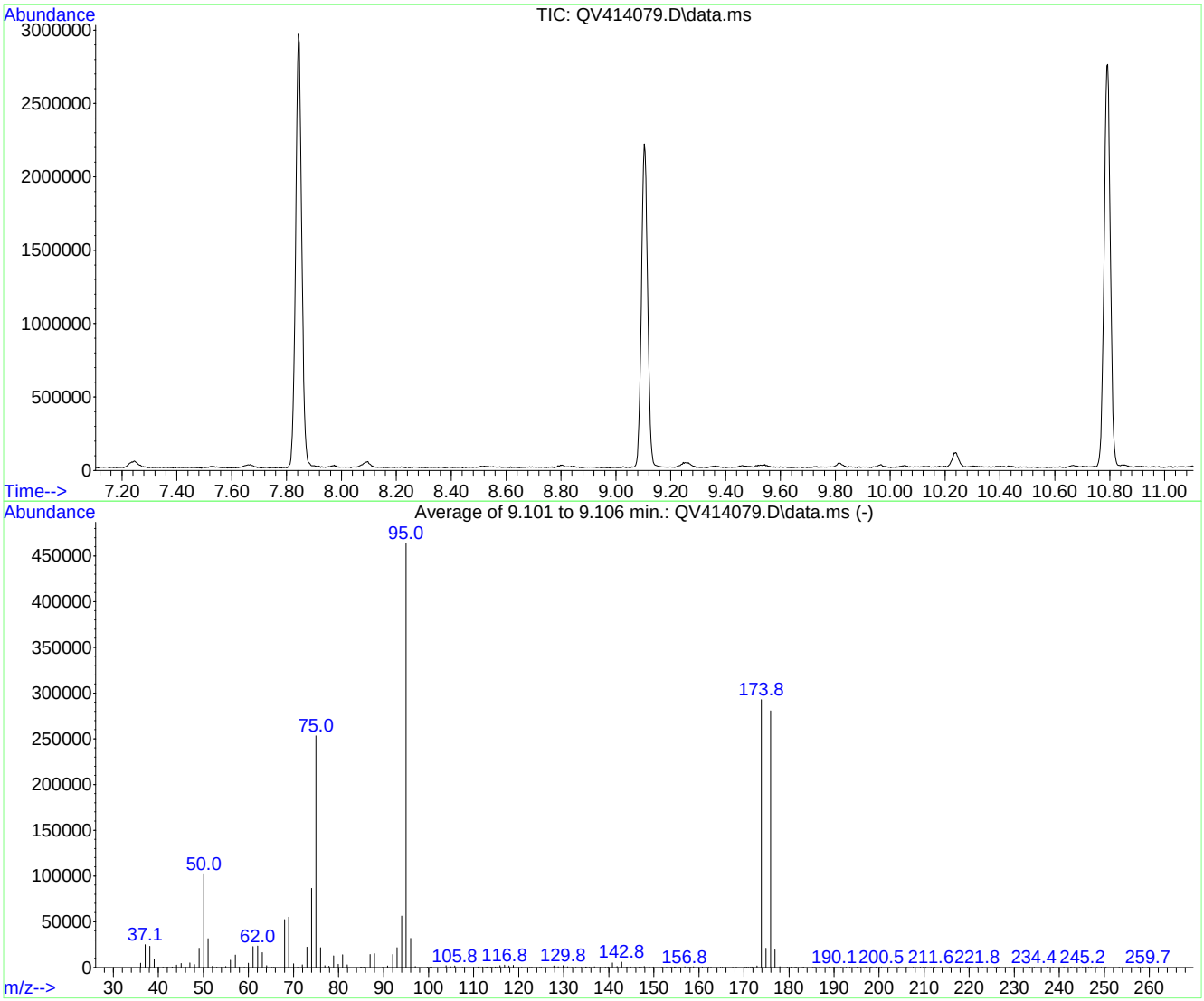
Spectrum Information: Average of 10.065 to 10.068 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.4	17048	PASS
75	95	30	60	51.1	38840	PASS
95	95	100	100	100.0	75948	PASS
96	95	5	9	7.0	5351	PASS
173	174	0.00	2	1.1	550	PASS
174	95	50	100	67.4	51172	PASS
175	174	5	9	8.3	4253	PASS
176	174	95	101	96.9	49568	PASS
177	176	5	9	7.7	3800	PASS

Data Path : C:\msdchem\1\data\090820\
Data File : QV414079.D
Acq On : 8 Sep 2020 9:56 am
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4090820A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



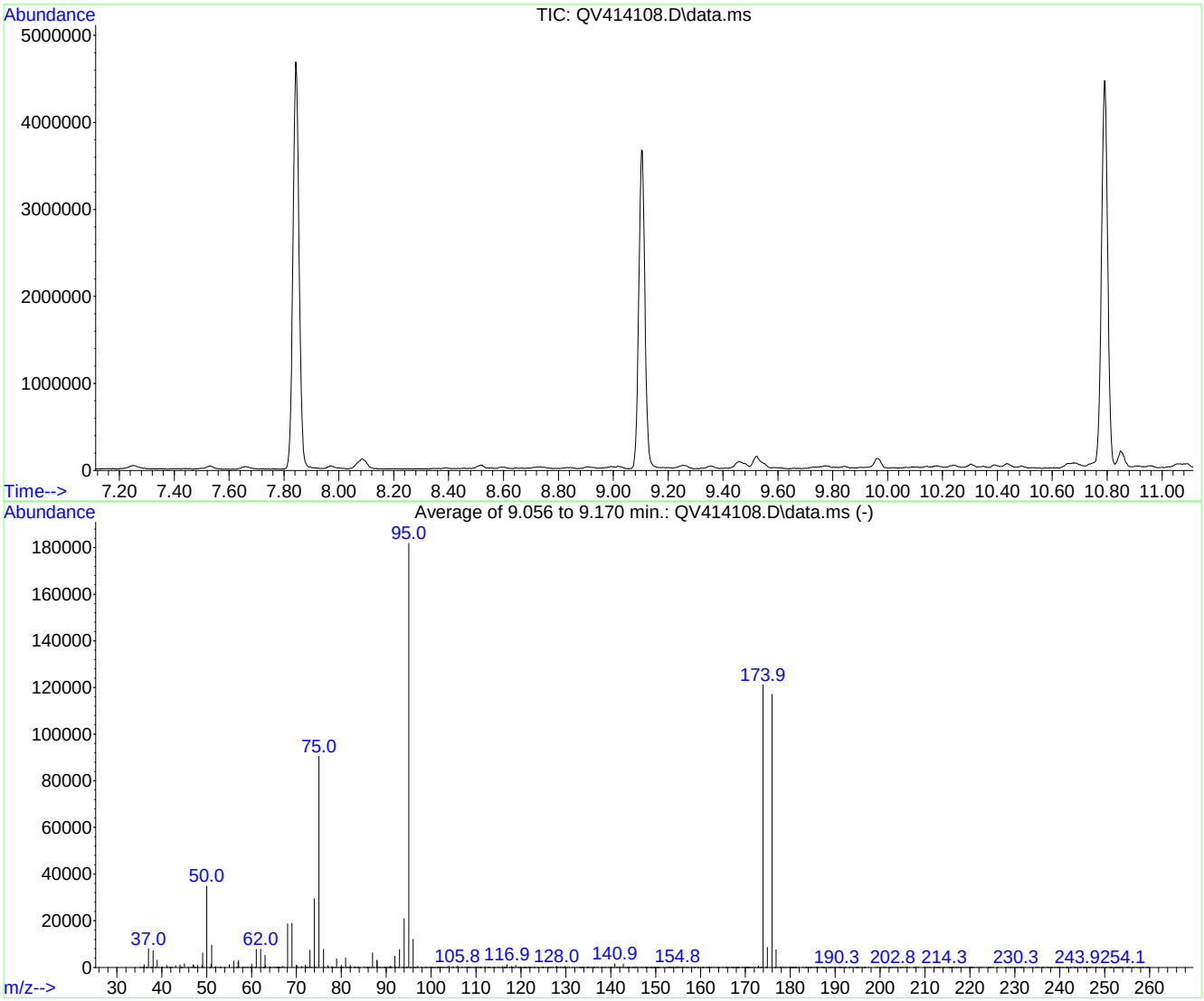
Spectrum Information: Average of 9.101 to 9.106 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.1	102708	PASS
75	95	30	60	54.6	253184	PASS
95	95	100	100	100.0	463851	PASS
96	95	5	9	6.8	31651	PASS
173	174	0.00	2	0.6	1777	PASS
174	95	50	100	63.1	292676	PASS
175	174	5	9	7.2	21109	PASS
176	174	95	101	95.9	280597	PASS
177	176	5	9	6.9	19331	PASS

Data Path : C:\msdchem\1\data\090920\
Data File : QV414108.D
Acq On : 9 Sep 2020 9:47 am
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4090920A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



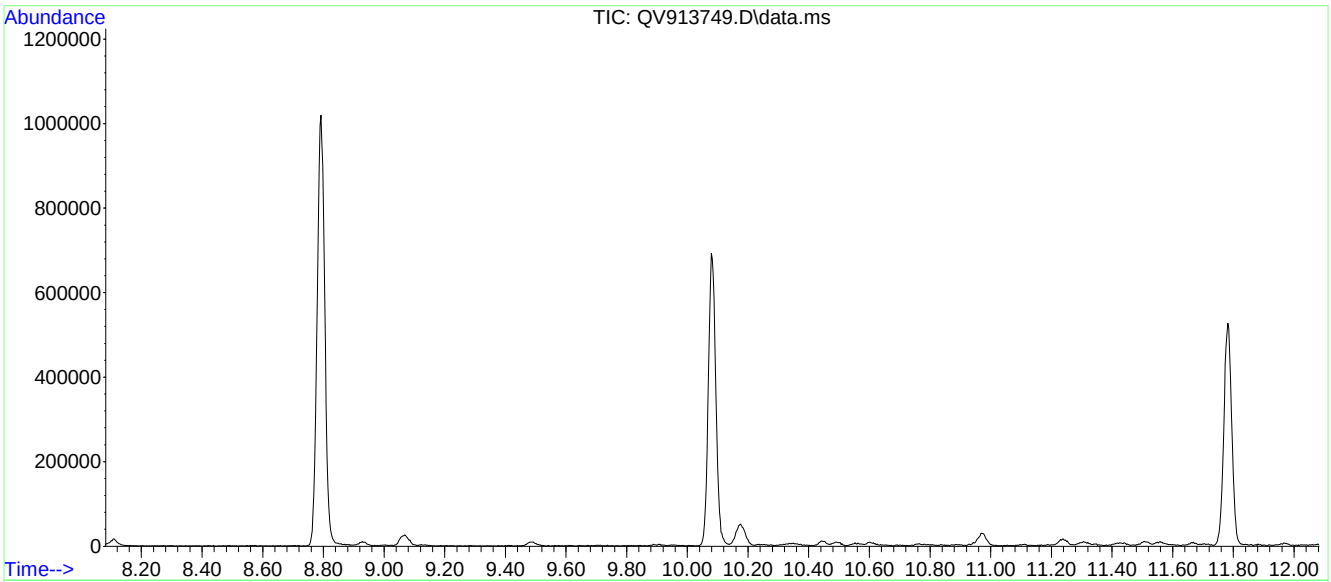
Spectrum Information: Average of 9.056 to 9.170 min.

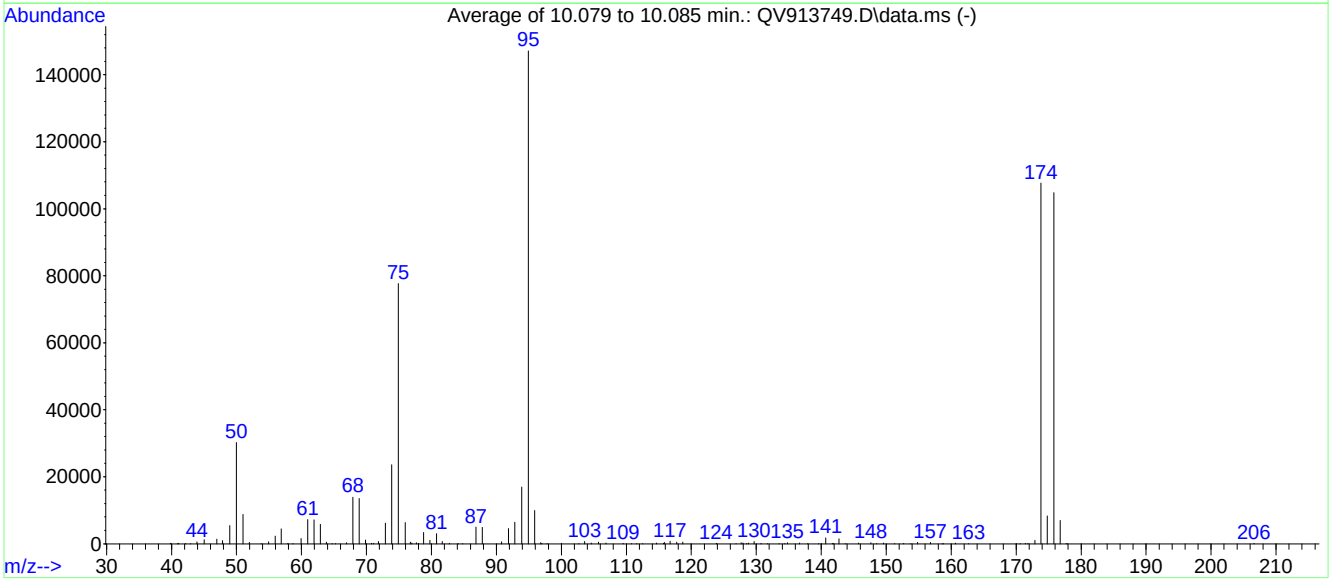
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	34808	PASS
75	95	30	60	49.8	90535	PASS
95	95	100	100	100.0	181857	PASS
96	95	5	9	6.6	12044	PASS
173	174	0.00	2	0.6	668	PASS
174	95	50	100	66.6	121186	PASS
175	174	5	9	7.1	8596	PASS
176	174	95	101	96.7	117141	PASS
177	176	5	9	6.4	7543	PASS

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913749.D
Acq On : 11 Sep 2020 9:47 am
Operator : TMP
Misc : QBQV9091120A
Sample : SEQ-TUN1 Inst : QVOA9
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ9LO029.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Wed Aug 26 10:44:13 2020





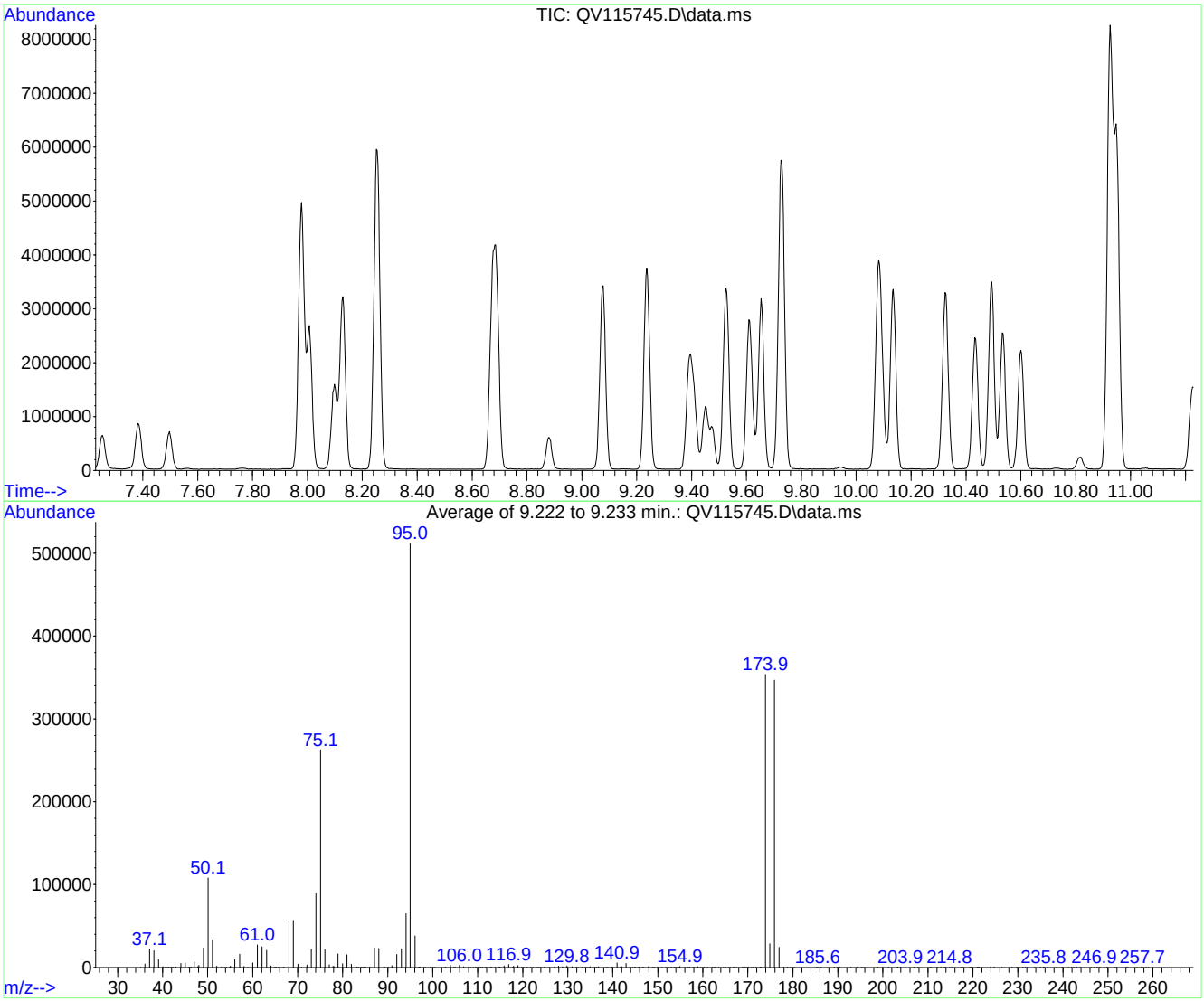
Spectrum Information: Average of 10.079 to 10.085 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	30269	PASS
75	95	30	60	52.8	77688	PASS
95	95	100	100	100.0	147093	PASS
96	95	5	9	6.8	9968	PASS
173	174	0.00	2	0.9	1009	PASS
174	95	50	100	73.2	107715	PASS
175	174	5	9	7.7	8284	PASS
176	174	95	101	97.3	104821	PASS
177	176	5	9	6.6	6970	PASS

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115745.D
Acq On : 10 Sep 2020 11:03 pm
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV1091020B
ALS Vial : 28 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ1S0035.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Fri Aug 07 10:18:47 2020
InstName : QVOA1



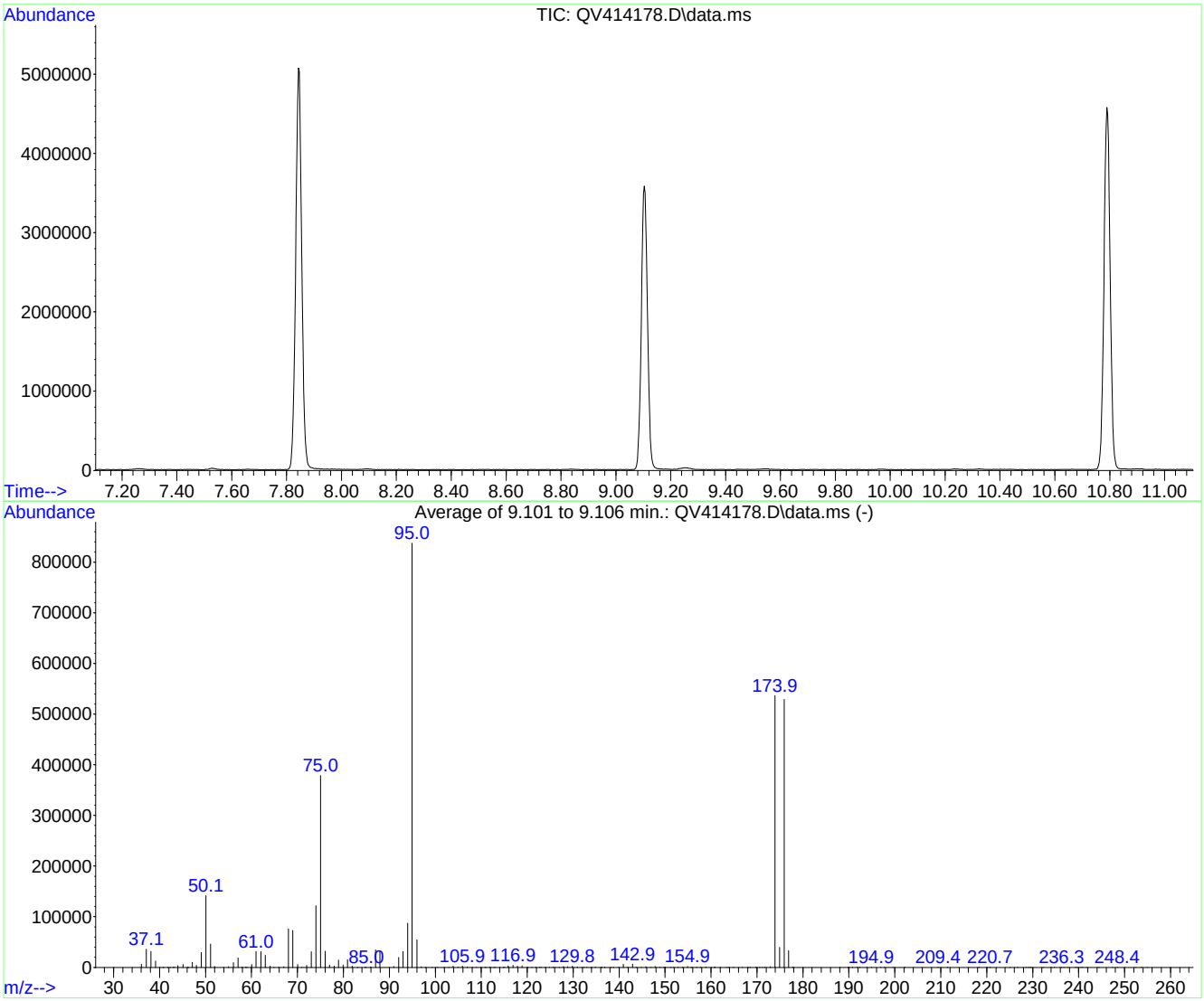
Spectrum Information: Average of 9.222 to 9.233 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.1	107954	PASS
75	95	30	60	51.3	262682	PASS
95	95	100	100	100.0	512090	PASS
96	95	5	9	7.4	38062	PASS
173	174	0.00	2	0.2	585	PASS
174	95	50	100	69.1	353843	PASS
175	174	5	9	8.1	28524	PASS
176	174	95	101	98.1	347021	PASS
177	176	5	9	7.0	24300	PASS

Data Path : C:\msdchem\1\data\091120\
Data File : QV414178.D
Acq On : 11 Sep 2020 11:07 am
Operator : TMP
Sample : SEQ-TUN1
Misc : QBQV4091120A
ALS Vial : 4 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ4C0027.M
Title : Volatile Organics EPA 8260C-SOIL
Last Update : Wed Aug 05 10:53:35 2020
InstName : QVOA4



Spectrum Information: Average of 9.101 to 9.106 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.9	141397	PASS
75	95	30	60	45.2	378837	PASS
95	95	100	100	100.0	837224	PASS
96	95	5	9	6.5	54483	PASS
173	174	0.00	2	0.2	1299	PASS
174	95	50	100	64.1	536341	PASS
175	174	5	9	7.3	39381	PASS
176	174	95	101	98.7	529173	PASS
177	176	5	9	6.2	33064	PASS

METHOD BLANK RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00428-BLK1	File ID:	QV913651.D
Prepared:	09/08/20 06:32	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/09/20 00:33	Instrument:	QVOA9		
Batch:	BI00428	Sequence:	Y0I1042	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	1.0	J
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00428-BLK1	File ID:	QV913651.D
Prepared:	09/08/20 06:32	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/09/20 00:33	Instrument:	QVOA9		
Batch:	BI00428	Sequence:	Y0I1042	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00428-BLK1	File ID:	QV913651.D
Prepared:	09/08/20 06:32	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/09/20 00:33	Instrument:	QVOA9		
Batch:	BI00428	Sequence:	Y0I1042	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.9	109	69 - 130	
SURR: Toluene-d8	10.0	10.3	103	81 - 117	
SURR: p-Bromofluorobenzene	10.0	9.82	98.2	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	173759	5.746	182363	5.746	
ISTD: Chlorobenzene-d5	601225	8.792	633734	8.792	
ISTD: 1,2-Dichlorobenzene-d4	166139	11.782	173887	11.779	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913651.D
Acq On : 9 Sep 2020 12:33 am
Operator : TMP
Sample : BI00428-BLK1
Misc : QBQV9090820B
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 10 16:23:42 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

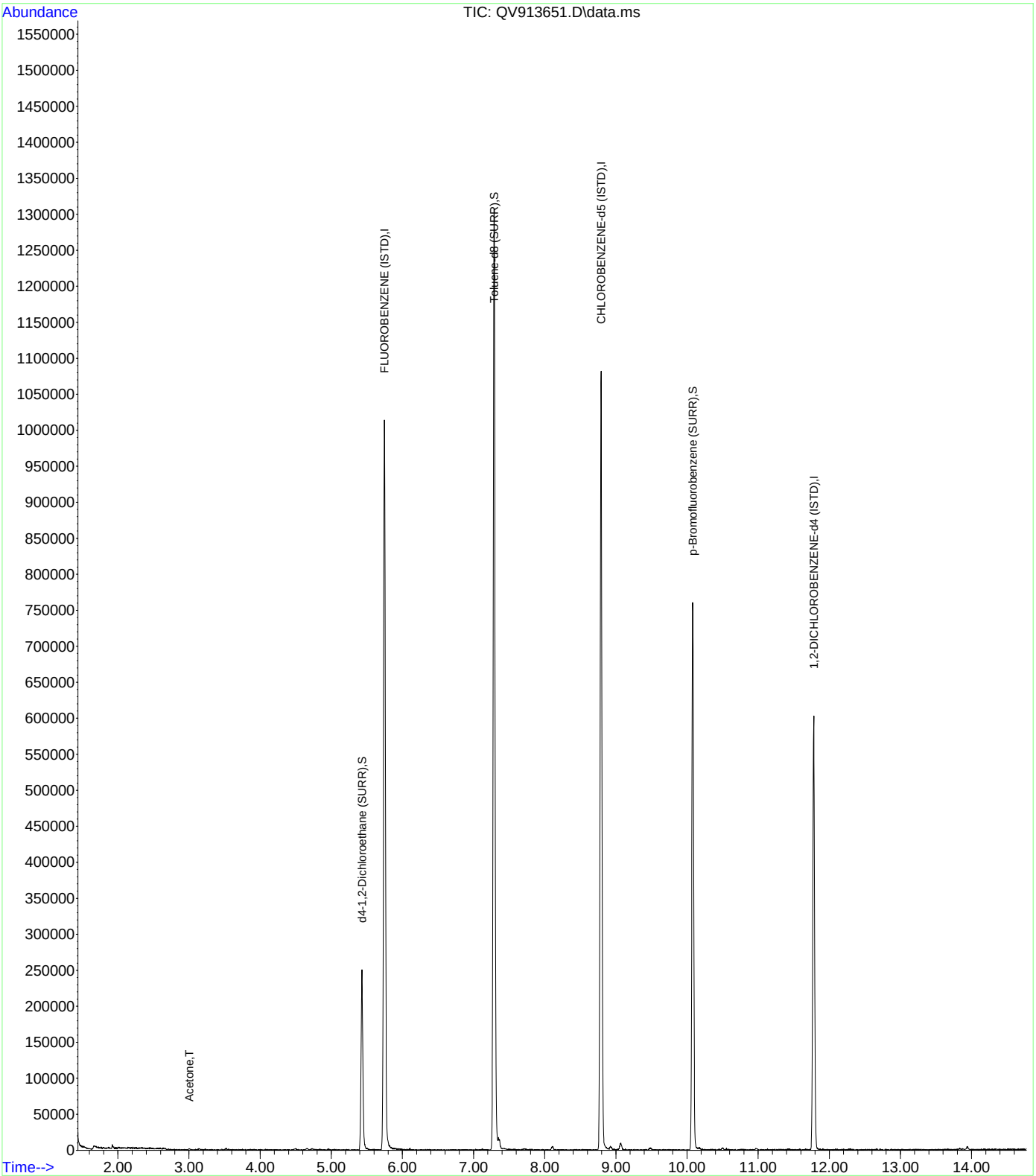
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.746	70	173759	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	601225	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	166139	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.430	65	168860	10.87	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 108.70%			
51) Toluene-d8 (SURR)	7.287	98	873579	10.30	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 103.00%			
70) p-Bromofluorobenzene (...	10.079	95	287966	9.82	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 98.20%			
Target Compounds						Qvalue
12) Acetone	3.003	43	1593	1.01	ppb	# 1

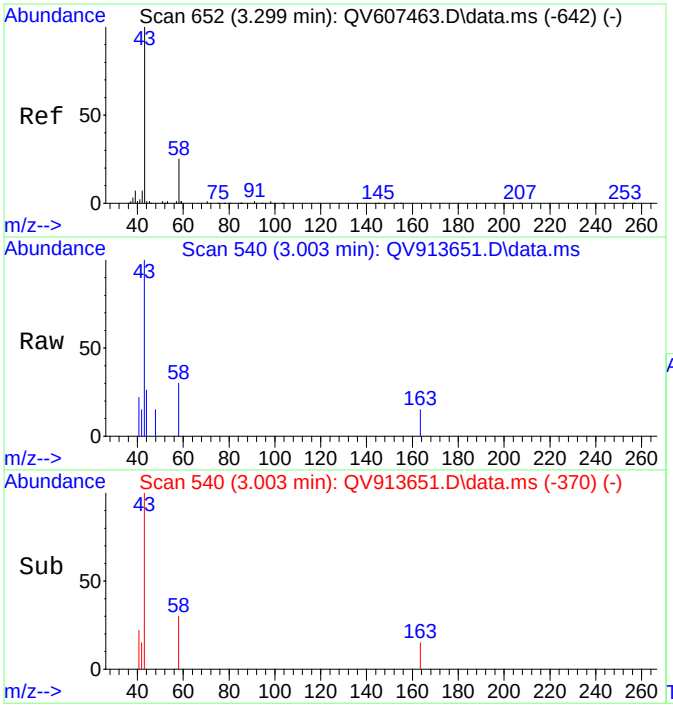
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913651.D
Acq On : 9 Sep 2020 12:33 am
Operator : TMP
Sample : BI00428-BLK1
Misc : QBQV9090820B
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 10 16:23:42 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

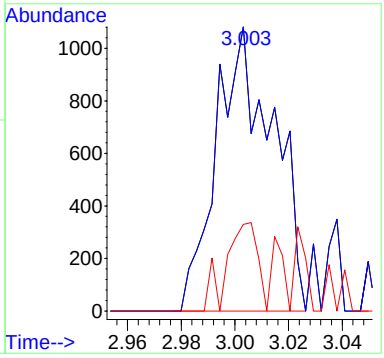




#12
Acetone
Concen: 1.01 ppb
RT: 3.003 min Scan# 540
Delta R.T. -0.006 min
Lab File: QV913651.D
Acq: 9 Sep 2020 12:33 am

Tgt Ion: 43 Resp: 1593

Ion	Ratio	Lower	Upper
43	100		
43	100.0	2.8	4.2#
58	17.0	0.4	1.1#



METHOD BLANK RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00456-BLK1	File ID:	QV414083.D
Prepared:	09/08/20 06:12	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/08/20 12:01	Instrument:	QVOA4		
Batch:	BI00456	Sequence:	Y0I1045	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00456-BLK1	File ID:	QV414083.D
Prepared:	09/08/20 06:12	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/08/20 12:01	Instrument:	QVOA4		
Batch:	BI00456	Sequence:	Y0I1045	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00456-BLK1	File ID:	QV414083.D
Prepared:	09/08/20 06:12	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/08/20 12:01	Instrument:	QVOA4		
Batch:	BI00456	Sequence:	Y0I1045	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	51.0	102	77 - 125	
SURR: Toluene-d8	50.0	50.8	102	85 - 120	
SURR: p-Bromofluorobenzene	50.0	52.2	104	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	398358	4.877	380220	4.883	
ISTD: Chlorobenzene-d5	1440983	7.843	1421115	7.843	
ISTD: 1,2-Dichlorobenzene-d4	639790	10.792	691776	10.792	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414083.D
Acq On : 8 Sep 2020 12:01 pm
Operator : TMP
Sample : BI00456-BLK1
Misc : QBQV4090820A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 17:36:47 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

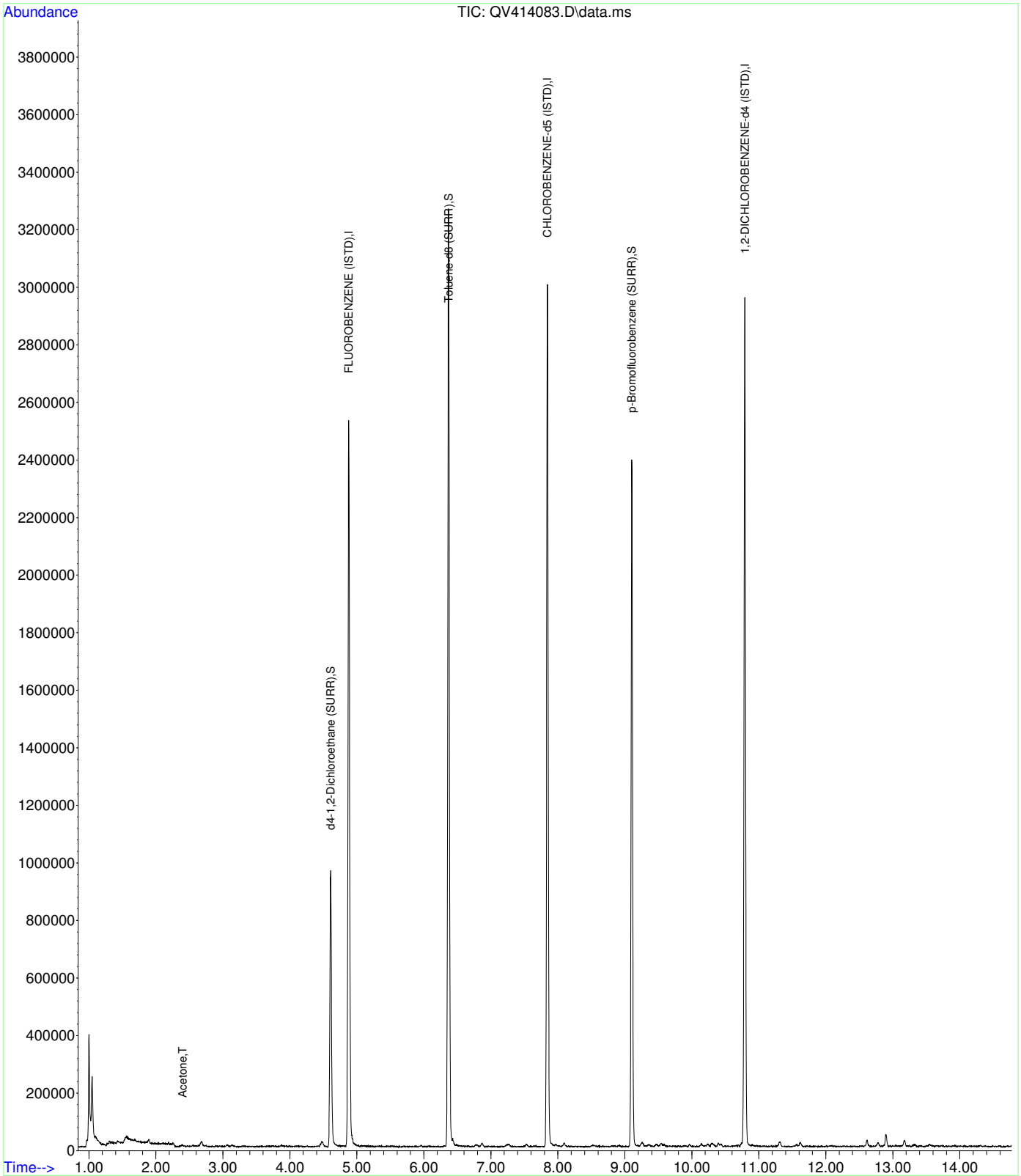
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	398358	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1440983	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	639790	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	634392	50.98	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 101.96%			
54) Toluene-d8 (SURR)	6.368	98	1962055	50.84	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 101.68%			
73) p-Bromofluorobenzene (...	9.103	95	777699	52.25	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 104.50%			
Target Compounds						Qvalue
13) Acetone	2.398	43	5620	2.50	ppb	# 32

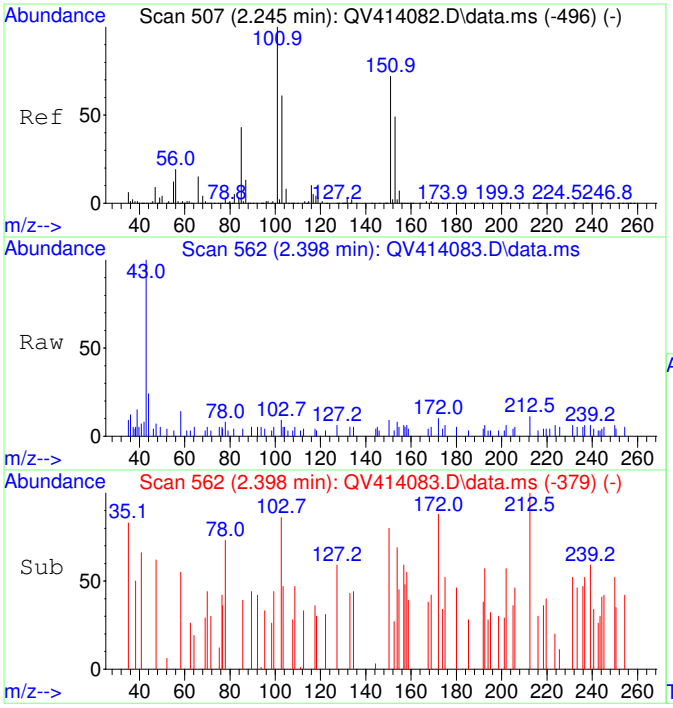
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414083.D
Acq On : 8 Sep 2020 12:01 pm
Operator : TMP
Sample : BI00456-BLK1
Misc : QBQV4090820A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 09 17:36:47 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

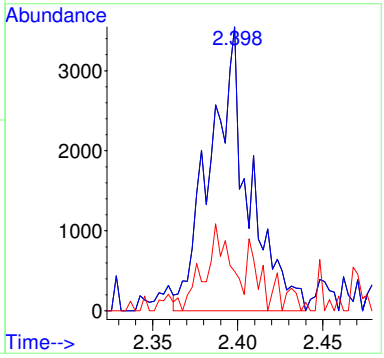




#13
Acetone
Concen: 2.50 ppb
RT: 2.398 min Scan# 562
Delta R.T. 0.008 min
Lab File: QV414083.D
Acq: 8 Sep 2020 12:01 pm

Tgt Ion: 43 Resp: 5620

Ion	Ratio	Lower	Upper
43	100		
43	100.0	32.2	48.2#
58	14.2	15.1	45.3#



METHOD BLANK RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK1	File ID:	QV115750.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:20	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK1	File ID:	QV115750.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:20	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK1	File ID:	QV115750.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:20	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.3	98.7	77 - 125	
SURR: Toluene-d8	50.0	50.2	100	85 - 120	
SURR: p-Bromofluorobenzene	50.0	47.5	95.0	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	550896	5.005	559357	5.007	
ISTD: Chlorobenzene-d5	2336510	7.976	2344009	7.979	
ISTD: 1,2-Dichlorobenzene-d4	1129929	10.925	1154727	10.925	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115750.D
Acq On : 11 Sep 2020 1:20 am
Operator : TMP
Sample : BI00602-BLK1
Misc : QBQV1091020B
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 11 08:42:08 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

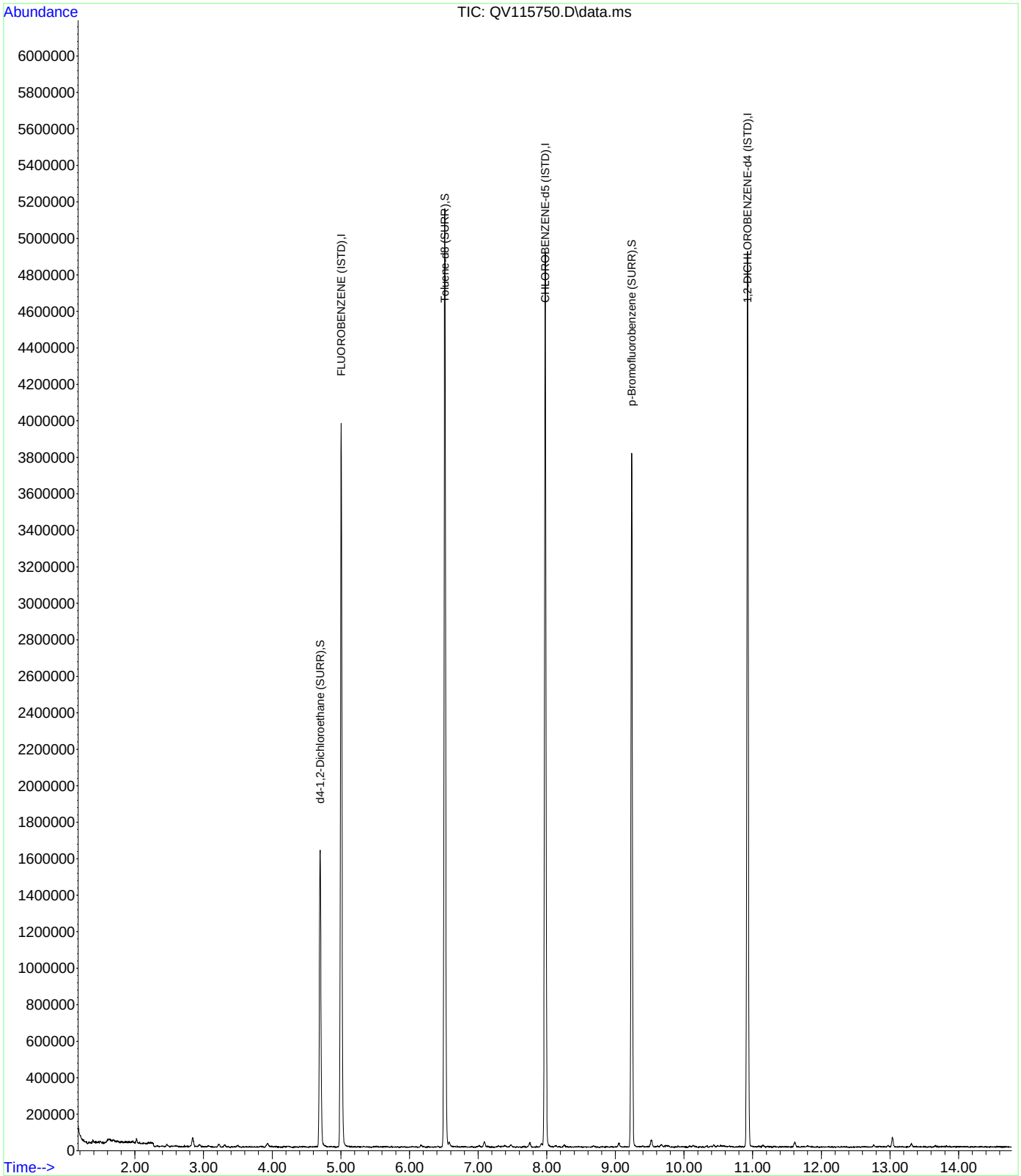
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.005	70	550896	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.976	117	2336510	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.925	152	1129929	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.699	65	852610	49.33	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.66%			
54) Toluene-d8 (SURR)	6.515	98	2895889	50.22	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.44%			
73) p-Bromofluorobenzene (...	9.236	95	1136679	47.48	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 94.96%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115750.D
Acq On : 11 Sep 2020 1:20 am
Operator : TMP
Sample : BI00602-BLK1
Misc : QBQV1091020B
ALS Vial : 33 Sample Multiplier: 1

Quant Time: Sep 11 08:42:08 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1



FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK2	File ID:	QV115751.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:47	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK2	File ID:	QV115751.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:47	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00602-BLK2	File ID:	QV115751.D
Prepared:	09/10/20 06:37	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 01:47	Instrument:	QVOA1		
Batch:	BI00602	Sequence:	Y0I1145	Calibration:	YH00005

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	49.2	98.5	77 - 125	
SURR: Toluene-d8	50.0	50.6	101	85 - 120	
SURR: p-Bromofluorobenzene	50.0	46.8	93.7	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	541419	5.004	559357	5.007	
ISTD: Chlorobenzene-d5	2279680	7.979	2344009	7.979	
ISTD: 1,2-Dichlorobenzene-d4	1109726	10.925	1154727	10.925	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115751.D
Acq On : 11 Sep 2020 1:47 am
Operator : TMP
Sample : BI00602-BLK2
Misc : QBQV1091020B
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 11 08:42:12 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

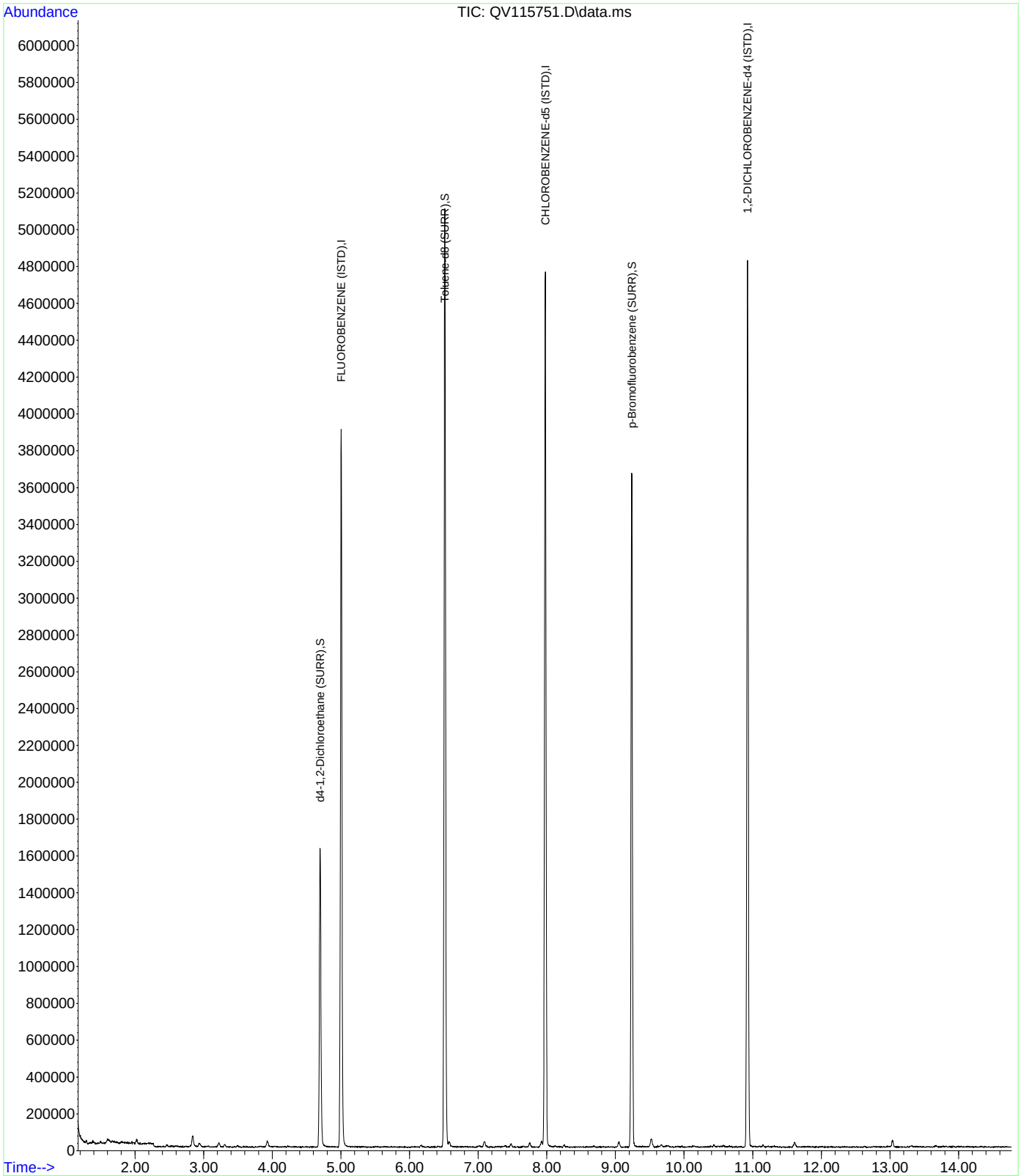
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.004	70	541419	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2279680	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.925	152	1109726	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.698	65	836237	49.23	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 98.46%			
54) Toluene-d8 (SURR)	6.515	98	2845245	50.57	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 101.14%			
73) p-Bromofluorobenzene (...	9.239	95	1101109	46.83	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 93.66%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115751.D
Acq On : 11 Sep 2020 1:47 am
Operator : TMP
Sample : BI00602-BLK2
Misc : QBQV1091020B
ALS Vial : 34 Sample Multiplier: 1

Quant Time: Sep 11 08:42:12 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1



METHOD BLANK RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00637-BLK1	File ID:	QV414112.D
Prepared:	09/09/20 06:42	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/09/20 11:44	Instrument:	QVOA4		
Batch:	BI00637	Sequence:	Y0I1141	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00637-BLK1	File ID:	QV414112.D
Prepared:	09/09/20 06:42	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/09/20 11:44	Instrument:	QVOA4		
Batch:	BI00637	Sequence:	Y0I1141	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00637-BLK1	File ID:	QV414112.D
Prepared:	09/09/20 06:42	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/09/20 11:44	Instrument:	QVOA4		
Batch:	BI00637	Sequence:	Y0I1141	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	43.3	86.6	77 - 125	
SURR: Toluene-d8	50.0	50.0	99.9	85 - 120	
SURR: p-Bromofluorobenzene	50.0	48.1	96.2	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	655345	4.877	640233	4.877	
ISTD: Chlorobenzene-d5	2458961	7.843	2339560	7.846	
ISTD: 1,2-Dichlorobenzene-d4	1133257	10.79	1144365	10.792	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414112.D
Acq On : 9 Sep 2020 11:44 am
Operator : TMP
Sample : BI00455-BLK1
Misc : QBQV4090920A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 14:32:29 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

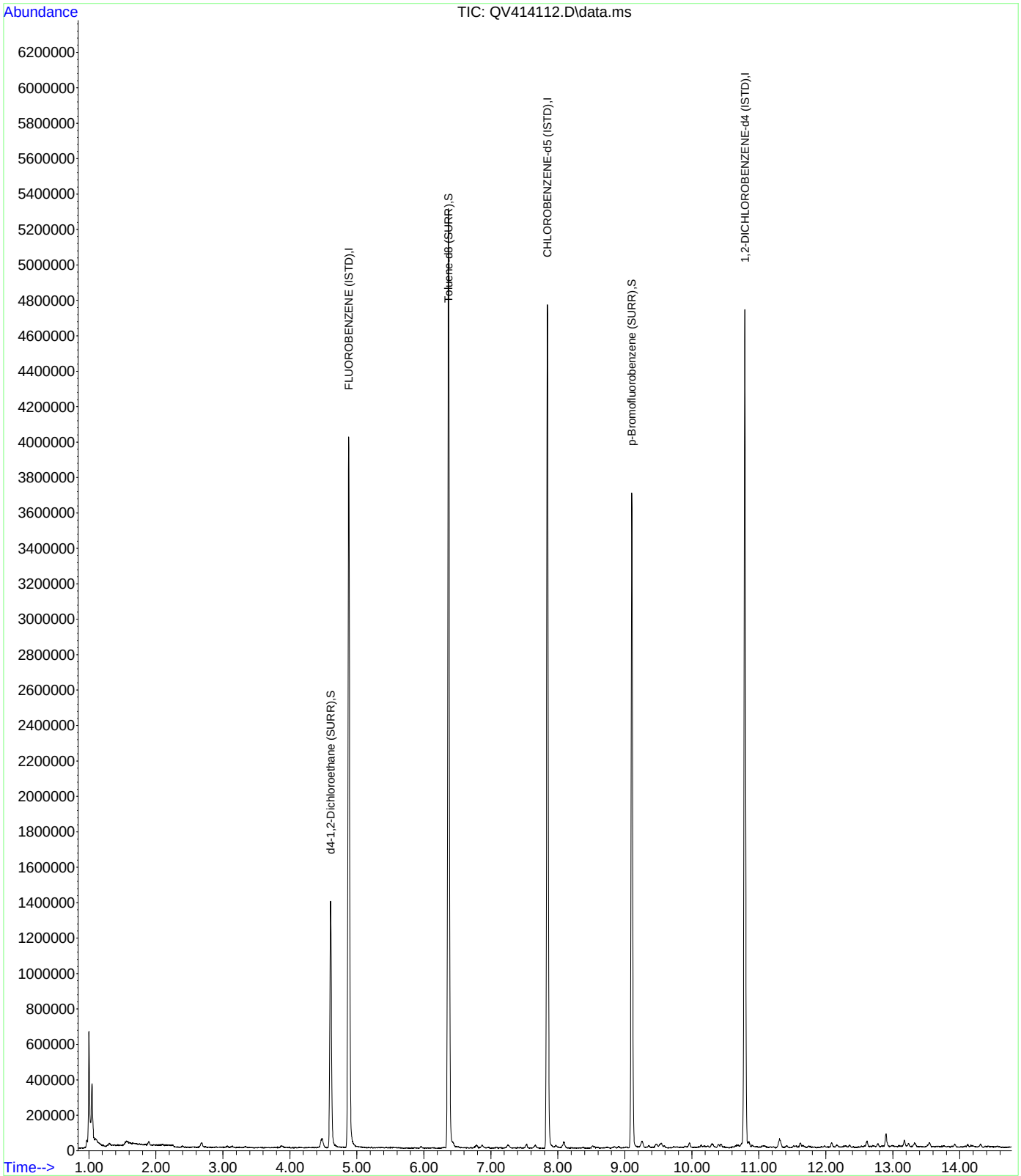
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	655345	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2458961	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	1133257	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	886576	43.31	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 86.62%			
54) Toluene-d8 (SURR)	6.366	98	3289703	49.95	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.90%			
73) p-Bromofluorobenzene (...	9.104	95	1268493	48.11	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 96.22%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414112.D
Acq On : 9 Sep 2020 11:44 am
Operator : TMP
Sample : BI00455-BLK1
Misc : QBQV4090920A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 14:32:29 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



METHOD BLANK RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00638-BLK1	File ID:	QV913754.D
Prepared:	09/11/20 06:56	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/11/20 12:03	Instrument:	QVOA9		
Batch:	BI00638	Sequence:	Y0I1143	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00638-BLK1	File ID:	QV913754.D
Prepared:	09/11/20 06:56	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/11/20 12:03	Instrument:	QVOA9		
Batch:	BI00638	Sequence:	Y0I1143	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Water	Laboratory ID:	BI00638-BLK1	File ID:	QV913754.D
Prepared:	09/11/20 06:56	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	09/11/20 12:03	Instrument:	QVOA9		
Batch:	BI00638	Sequence:	Y0I1143	Calibration:	YH00024

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.2	112	69 - 130	
SURR: Toluene-d8	10.0	10.2	102	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.0	100	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	166502	5.749	162382	5.746	
ISTD: Chlorobenzene-d5	583853	8.792	558917	8.795	
ISTD: 1,2-Dichlorobenzene-d4	156150	11.782	157525	11.779	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913754.D
Acq On : 11 Sep 2020 12:03 pm
Operator : TMP
Sample : BI00638-BLK1
Misc : QBQV9091120A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 16:52:49 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

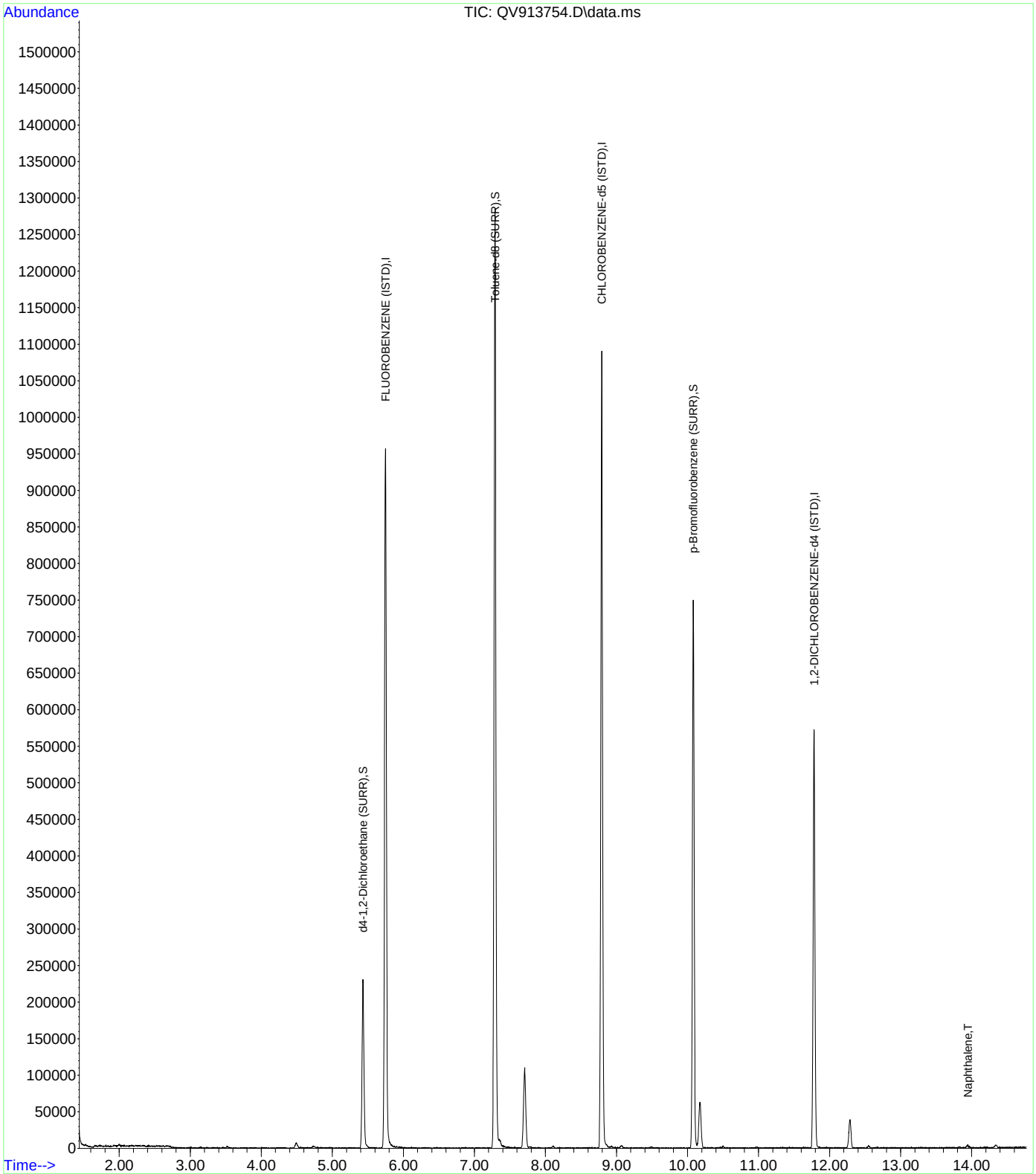
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.749	70	166502	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	583853	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	156150	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.430	65	165886	11.15	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 111.50%			
51) Toluene-d8 (SURR)	7.289	98	839048	10.19	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.90%			
70) p-Bromofluorobenzene (...	10.079	95	277090	10.05	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 100.50%			
Target Compounds						Qvalue
93) Naphthalene	13.944	128	3422	0.18	ppb	# 88

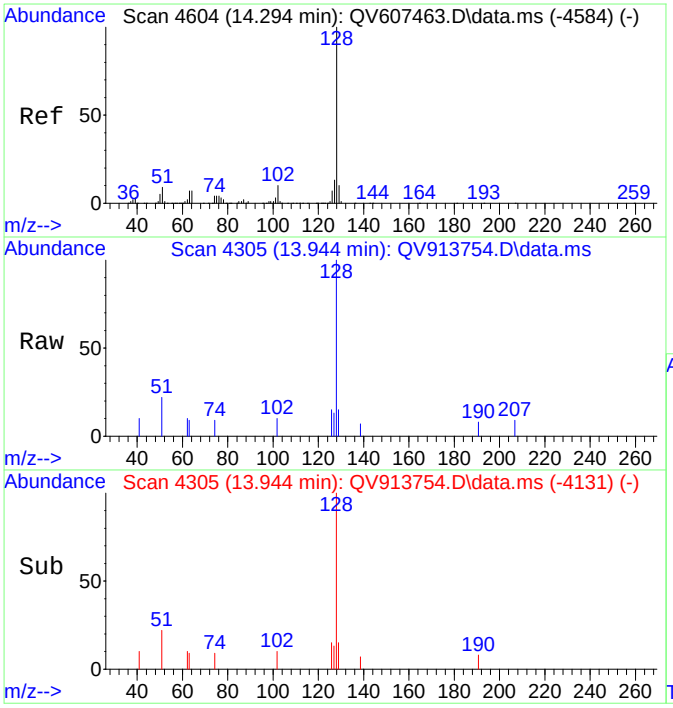
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913754.D
Acq On : 11 Sep 2020 12:03 pm
Operator : TMP
Sample : BI00638-BLK1
Misc : QBQV9091120A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Sep 11 16:52:49 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

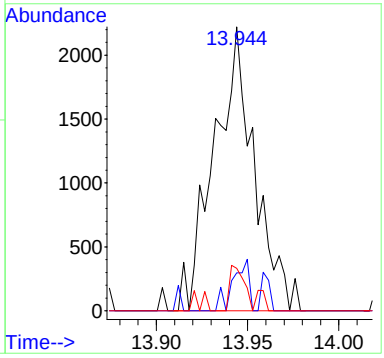




#93
Naphthalene
Concen: 0.18 ppb
RT: 13.944 min Scan# 4305
Delta R.T. 0.006 min
Lab File: QV913754.D
Acq: 11 Sep 2020 12:03 pm

Tgt Ion:128 Resp: 3422

Ion	Ratio	Lower	Upper
128	100		
127	7.2	9.0	18.6#
129	5.7	3.9	8.1



METHOD BLANK RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK1	File ID:	QV414183.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 13:26	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK1	File ID:	QV414183.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 13:26	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK1	File ID:	QV414183.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 13:26	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	38.5	77.0	77 - 125	
SURR: Toluene-d8	50.0	50.1	100	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.1	98.3	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	661022	4.88	650889	4.877	
ISTD: Chlorobenzene-d5	2465037	7.843	2416925	7.846	
ISTD: 1,2-Dichlorobenzene-d4	1094767	10.792	1220614	10.79	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414183.D
Acq On : 11 Sep 2020 1:26 pm
Operator : TMP
Sample : BI00641-BLK1
Misc : QBQV4091120A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 17:46:53 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

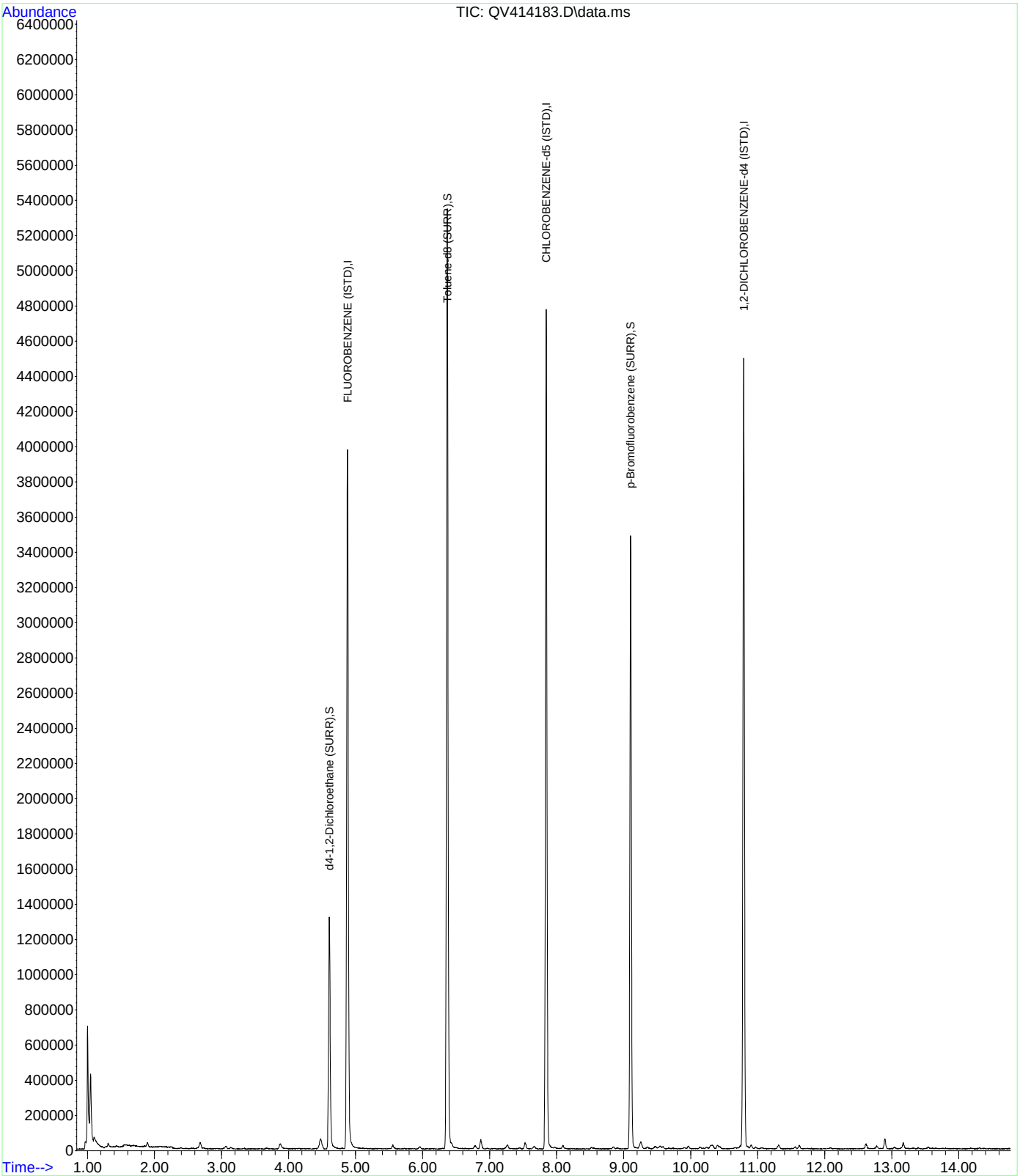
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.880	70	661022	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2465037	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1094767	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	794522	38.48	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 76.96%#			
54) Toluene-d8 (SURR)	6.369	98	3308329	50.11	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.22%			
73) p-Bromofluorobenzene (...	9.103	95	1251443	49.13	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 98.26%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414183.D
Acq On : 11 Sep 2020 1:26 pm
Operator : TMP
Sample : BI00641-BLK1
Misc : QBQV4091120A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 17:46:53 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK2	File ID:	QV414186.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 14:44	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
630-20-6	1,1,1,2-Tetrachloroethane	5.0	U
71-55-6	1,1,1-Trichloroethane	5.0	U
79-34-5	1,1,2,2-Tetrachloroethane	5.0	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	5.0	U
79-00-5	1,1,2-Trichloroethane	5.0	U
75-34-3	1,1-Dichloroethane	5.0	U
75-35-4	1,1-Dichloroethylene	5.0	U
87-61-6	1,2,3-Trichlorobenzene	5.0	U
96-18-4	1,2,3-Trichloropropane	5.0	U
120-82-1	1,2,4-Trichlorobenzene	5.0	U
95-63-6	1,2,4-Trimethylbenzene	5.0	U
96-12-8	1,2-Dibromo-3-chloropropane	5.0	U
106-93-4	1,2-Dibromoethane	5.0	U
95-50-1	1,2-Dichlorobenzene	5.0	U
107-06-2	1,2-Dichloroethane	5.0	U
78-87-5	1,2-Dichloropropane	5.0	U
108-67-8	1,3,5-Trimethylbenzene	5.0	U
541-73-1	1,3-Dichlorobenzene	5.0	U
106-46-7	1,4-Dichlorobenzene	5.0	U
123-91-1	1,4-Dioxane	100	U
78-93-3	2-Butanone	5.0	U
591-78-6	2-Hexanone	5.0	U
108-10-1	4-Methyl-2-pentanone	5.0	U
67-64-1	Acetone	10	U
107-02-8	Acrolein	10	U
107-13-1	Acrylonitrile	5.0	U
71-43-2	Benzene	5.0	U
74-97-5	Bromochloromethane	5.0	U
75-27-4	Bromodichloromethane	5.0	U
75-25-2	Bromoform	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK2	File ID:	QV414186.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 14:44	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
74-83-9	Bromomethane	5.0	U
75-15-0	Carbon disulfide	5.0	U
56-23-5	Carbon tetrachloride	5.0	U
108-90-7	Chlorobenzene	5.0	U
75-00-3	Chloroethane	5.0	U
67-66-3	Chloroform	5.0	U
74-87-3	Chloromethane	5.0	U
156-59-2	cis-1,2-Dichloroethylene	5.0	U
10061-01-5	cis-1,3-Dichloropropylene	5.0	U
110-82-7	Cyclohexane	5.0	U
124-48-1	Dibromochloromethane	5.0	U
74-95-3	Dibromomethane	5.0	U
75-71-8	Dichlorodifluoromethane	5.0	U
100-41-4	Ethyl Benzene	5.0	U
87-68-3	Hexachlorobutadiene	5.0	U
98-82-8	Isopropylbenzene	5.0	U
79-20-9	Methyl acetate	5.0	U
1634-04-4	Methyl tert-butyl ether (MTBE)	5.0	U
108-87-2	Methylcyclohexane	5.0	U
75-09-2	Methylene chloride	10	U
104-51-8	n-Butylbenzene	5.0	U
103-65-1	n-Propylbenzene	5.0	U
95-47-6	o-Xylene	5.0	U
179601-23-1	p- & m- Xylenes	10	U
99-87-6	p-Isopropyltoluene	5.0	U
135-98-8	sec-Butylbenzene	5.0	U
100-42-5	Styrene	5.0	U
75-65-0	tert-Butyl alcohol (TBA)	5.0	U
98-06-6	tert-Butylbenzene	5.0	U
127-18-4	Tetrachloroethylene	5.0	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20I0216
Client:	Walden Associates			Project:	IMPLO115.6-218 Lakeview Road, New Hyde Park
Matrix:	Soil	Laboratory ID:	BI00641-BLK2	File ID:	QV414186.D
Prepared:	09/11/20 06:53	Preparation:	EPA 5035A	Initial/Final:	5 g / 5 ml
Analyzed:	09/11/20 14:44	Instrument:	QVOA4		
Batch:	BI00641	Sequence:	Y0I1147	Calibration:	YH00003

CAS NO.	COMPOUND	CONC. (ug/kg wet)	Q
108-88-3	Toluene	5.0	U
156-60-5	trans-1,2-Dichloroethylene	5.0	U
10061-02-6	trans-1,3-Dichloropropylene	5.0	U
110-57-6	trans-1,4-dichloro-2-butene	5.0	U
79-01-6	Trichloroethylene	5.0	U
75-69-4	Trichlorofluoromethane	5.0	U
75-01-4	Vinyl Chloride	5.0	U
1330-20-7	Xylenes, Total	15	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	50.0	38.9	77.7	77 - 125	
SURR: Toluene-d8	50.0	49.9	99.8	85 - 120	
SURR: p-Bromofluorobenzene	50.0	49.0	98.0	76 - 130	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	624571	4.877	650889	4.877	
ISTD: Chlorobenzene-d5	2350484	7.843	2416925	7.846	
ISTD: 1,2-Dichlorobenzene-d4	1033413	10.79	1220614	10.79	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414186.D
Acq On : 11 Sep 2020 2:44 pm
Operator : TMP
Sample : BI00641-BLK2
Misc : QBQV4091120A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 16:00:57 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

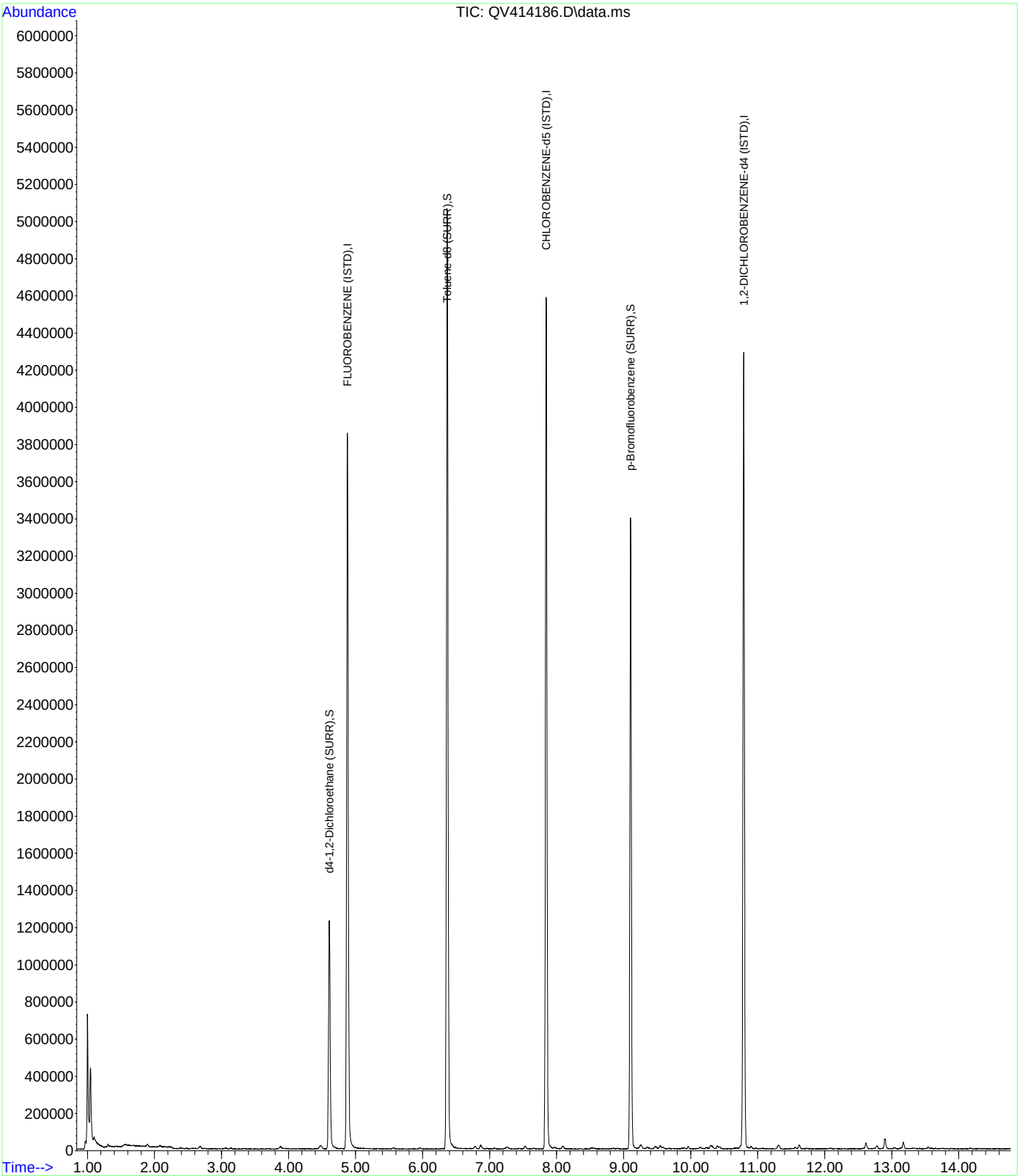
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	4.877	70	624571	50.00	ppb	# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2350484	50.00	ppb	# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	1033413	50.00	ppb	0.00
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	4.607	65	758266	38.87	ppb	0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 77.74%			
54) Toluene-d8 (SURR)	6.366	98	3142096	49.91	ppb	0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.82%			
73) p-Bromofluorobenzene (...	9.103	95	1177508	48.98	ppb	0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 97.96%			
Target Compounds						Qvalue

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414186.D
Acq On : 11 Sep 2020 2:44 pm
Operator : TMP
Sample : BI00641-BLK2
Misc : QBQV4091120A
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Sep 11 16:00:57 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



LCS RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913648.D
Acq On : 8 Sep 2020 11:16 pm
Operator : TMP
Sample : BI00428-BS1
Misc : QBQV9090820B
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 16:21:25 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	178707	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	616123	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	171223	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	163226	10.22	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 102.20%				
51) Toluene-d8 (SURR)	7.290	98	872274	10.03	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 100.30%				
70) p-Bromofluorobenzene (...	10.079	95	296376	9.80	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 98.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	118013	7.58	ppb	#	1
3) Chloromethane	1.727	50	156887	7.31	ppb		92
4) Vinyl Chloride	1.832	62	156118	8.37	ppb	#	98
5) Bromomethane	2.152	94	44024	4.50	ppb		98
6) Chloroethane	2.256	64	112717	10.37	ppb	#	25
7) Trichlorofluoromethane	2.512	101	249361	9.70	ppb	#	18
9) Freon-113	3.021	101	138499	9.21	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	259150	9.09	ppb	#	83
11) Acrolein	2.884	56	4126	5.48	ppb	#	1
12) Acetone	3.009	43	15004	9.20	ppb	#	1
13) Iodomethane	3.146	142	73785	3.88	ppb	#	73
14) Methyl Acetate	3.323	43	30005	7.99	ppb	#	1
15) Carbon disulfide	3.233	76	345198	8.60	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	21079	35.71	ppb	#	1
17) Methylene Chloride	3.459	49	176656	8.30	ppb	#	87
18) Acrylonitrile	3.631	53	17845	7.70	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	243530	9.06	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.727	73	215462	8.98	ppb	#	94
21) 1,1-Dichloroethane	4.131	63	306122	8.74	ppb	#	99
22) Vinyl Acetate	4.119	43	77374	7.52	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	415905	8.08	ppb	#	41
24) Ethyl-tert-Butyl ether...	4.514	59	389141	9.05	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	276955	9.08	ppb	#	88
26) 2-Butanone	4.619	72	5286m	10.38	ppb		
27) 2,2-Dichloropropane	4.671	77	237267	10.02	ppb	#	83
28) Tetrahydrofuran	4.901	42	11507	7.73	ppb	#	1
29) Bromochloromethane	4.875	49	102041	8.30	ppb	#	58
30) Chloroform	4.965	83	273535	9.22	ppb	#	96
31) 1,1,1-Trichloroethane	5.148	97	288143	9.65	ppb	#	55
32) Cyclohexane	5.241	56	330344	9.14	ppb	#	72
33) 1,1-Dichloropropylene	5.293	75	225727	9.12	ppb	#	55
35) Carbon Tetrachloride	5.308	117	242400	9.67	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	32674	81.91	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	151426	8.98	ppb	#	98
38) Benzene	5.473	78	604965	9.08	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	246051	8.78	ppb	#	1
41) Trichloroethylene	6.104	95	172175	9.74	ppb	#	75
42) Methyl Cyclohexane	6.357	83	287009	9.64	ppb	#	50
43) Methyl Methacrylate	6.365	69	92047	9.25	ppb	#	98
44) Dibromomethane	6.421	93	49990	8.89	ppb	#	52
45) Bromodichloromethane	6.580	83	177405	9.45	ppb	#	97
46) 1,2-Dichloropropane	6.336	63	150982	8.80	ppb	#	94
47) 1,4-Dioxane	6.392	88	8313	217.48	ppb	#	84
49) cis-1,3-Dichloropropene	7.008	75	196423	9.23	ppb	#	58
50) 4-Methyl-2-Pentanone	7.121	43	44769	8.50	ppb	#	65
52) Toluene	7.356	91	690506	9.61	ppb		99
53) trans-1,3-Dichloropropene	7.568	75	142647	8.96	ppb	#	98

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913648.D
Acq On : 8 Sep 2020 11:16 pm
Operator : TMP
Sample : BI00428-BS1
Misc : QBQV9090820B
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 16:21:25 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

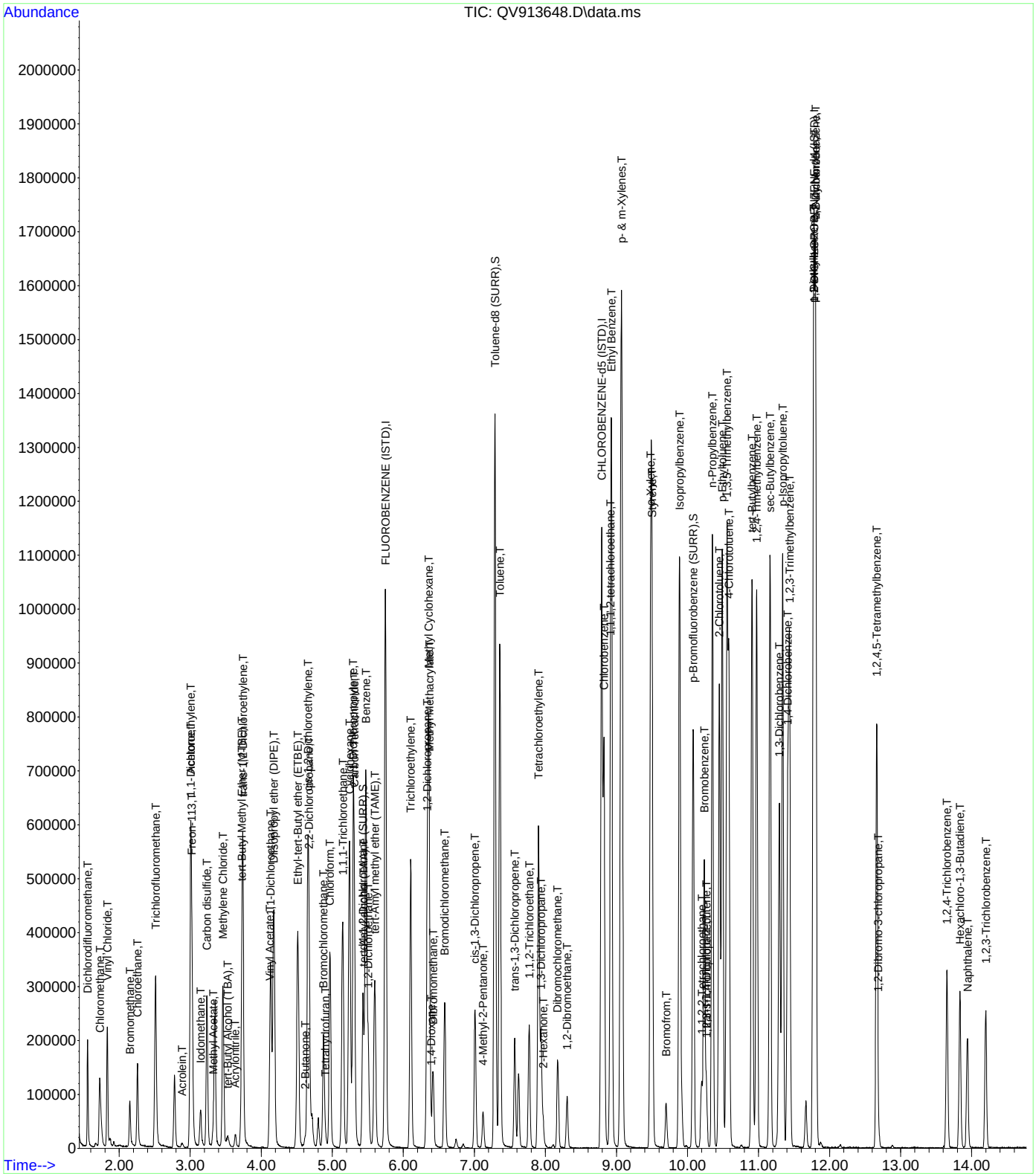
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.772	97	70401	9.09	ppb	#	1
55) 1,3-Dichloropropane	7.938	76	126075	9.06	ppb	#	70
56) Tetrachloroethylene	7.903	166	172412	9.88	ppb	#	100
57) 2-Hexanone	7.967	43	28920	8.86	ppb	#	1
58) Dibromochloromethane	8.170	129	85499	9.44	ppb	#	84
59) 1,2-Dibromoethane	8.304	107	64988	9.15	ppb		94
60) Chlorobenzene	8.824	112	395651	9.53	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.914	131	134660	9.84	ppb	#	44
62) Ethyl Benzene	8.928	91	823982	10.04	ppb		96
63) p- & m-Xylenes	9.071	91	1278592	19.93	ppb		93
64) o-Xylene	9.481	91	629969	9.85	ppb		96
65) Styrene	9.501	104	431210	10.20	ppb	#	82
66) Bromofrom	9.701	173	38967	8.80	ppb	#	95
68) p-Ethyltoluene	10.489	105	719834	9.83	ppb	#	97
69) Isopropylbenzene	9.887	105	813869	9.63	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.201	83	62420	8.85	ppb	#	65
72) Bromobenzene	10.236	77	249390	9.13	ppb	#	76
73) trans-1,4-Dichloro-2-b...	10.265	75	86793m	8.79	ppb		
74) 1,2,3-Trichloropropane	10.268	110	19227	9.35	ppb	#	1
75) n-Propylbenzene	10.350	91	953585	9.64	ppb	#	90
76) 2-Chlorotoluene	10.448	91	545136	9.29	ppb		98
77) 4-Chlorotoluene	10.582	91	615348	9.42	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	662993	9.91	ppb	#	61
79) tert-Butylbenzene	10.907	119	547530	8.63	ppb	#	86
80) 1,2,4-Trimethylbenzene	10.974	105	627259	9.83	ppb		93
81) sec-Butylbenzene	11.163	105	828231	10.41	ppb	#	93
82) 1,3-Dichlorobenzene	11.291	146	279774	9.44	ppb		94
83) p-Isopropyltoluene	11.340	119	668535	9.98	ppb		95
84) 1,4-Dichlorobenzene	11.410	146	268284	9.52	ppb		92
85) 1,2,3-Trimethylbenzene	11.436	105	560883	13.20	ppb	#	91
86) p-Diethylbenzene	11.776	105	374278	11.05	ppb	#	58
87) 1,2-Dichlorobenzene	11.802	146	216622	9.52	ppb	#	100
88) n-Butylbenzene	11.802	91	681643m	10.11	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	13344	8.76	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	455364	9.57	ppb	#	90
91) 1,2,4-Trichlorobenzene	13.651	180	107738	9.10	ppb	#	5
92) Hexachloro-1,3-Butadiene	13.834	225	63795	9.66	ppb	#	65
93) Naphthalene	13.941	128	174055	8.35	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	83879	8.87	ppb	#	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913648.D
Acq On : 8 Sep 2020 11:16 pm
Operator : TMP
Sample : BI00428-BS1
Misc : QBQV9090820B
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 10 16:21:25 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913649.D
Acq On : 8 Sep 2020 11:42 pm
Operator : TMP
Sample : BI00428-BSD1
Misc : QBQV9090820B
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 10 16:22:45 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	182005	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	628361	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	166718	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.432	65	168575	10.36	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 103.60%				
51) Toluene-d8 (SURR)	7.286	98	899304	10.14	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.40%				
70) p-Bromofluorobenzene (...	10.079	95	299492	10.18	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	112631	7.10	ppb	#	1
3) Chloromethane	1.724	50	150803	6.90	ppb		93
4) Vinyl Chloride	1.832	62	149410	7.87	ppb	#	98
5) Bromomethane	2.149	94	42244	4.24	ppb		97
6) Chloroethane	2.253	64	106596	9.63	ppb	#	19
7) Trichlorofluoromethane	2.509	101	244258	9.33	ppb	#	19
9) Freon-113	3.023	101	133003	8.68	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	247578	8.52	ppb	#	83
11) Acrolein	2.884	56	4145	5.40	ppb	#	1
12) Acetone	3.012	43	15441	9.30	ppb	#	1
13) Iodomethane	3.145	142	69034	3.57	ppb	#	73
14) Methyl Acetate	3.320	43	29418	7.69	ppb	#	1
15) Carbon disulfide	3.236	76	329592	8.06	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.520	59	21137	35.16	ppb	#	1
17) Methylene Chloride	3.459	49	171104	7.89	ppb	#	87
18) Acrylonitrile	3.637	53	17344	7.34	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	240558	8.79	ppb	#	87
20) tert-Butyl Methyl Ethe...	3.730	73	211152	8.64	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	298367	8.36	ppb	#	99
22) Vinyl Acetate	4.122	43	77039	7.35	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	415144	7.92	ppb	#	56
24) Ethyl-tert-Butyl ether...	4.514	59	381892	8.72	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	268290	8.63	ppb	#	88
26) 2-Butanone	4.616	72	5113m	9.86	ppb		
27) 2,2-Dichloropropane	4.671	77	228239	9.46	ppb	#	85
28) Tetrahydrofuran	4.909	42	11355	7.49	ppb	#	74
29) Bromochloromethane	4.875	49	100612	8.03	ppb	#	33
30) Chloroform	4.968	83	265747	8.79	ppb	#	85
31) 1,1,1-Trichloroethane	5.145	97	278305	9.16	ppb	#	73
32) Cyclohexane	5.241	56	319585	8.69	ppb	#	72
33) 1,1-Dichloropropylene	5.293	75	220899	8.76	ppb	#	51
35) Carbon Tetrachloride	5.308	117	235735	9.23	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.435	59	33253	81.85	ppb	#	16
37) 1,2-Dichloroethane	5.502	62	151831	8.84	ppb	#	98
38) Benzene	5.470	78	578192	8.52	ppb	#	96
39) tert-Amyl methyl ether...	5.592	73	247724	8.68	ppb	#	1
41) Trichloroethylene	6.104	95	164347	9.12	ppb	#	76
42) Methyl Cyclohexane	6.357	83	266611	8.78	ppb	#	45
43) Methyl Methacrylate	6.359	69	88216	8.69	ppb	#	98
44) Dibromomethane	6.418	93	49447	8.63	ppb	#	49
45) Bromodichloromethane	6.580	83	173795	9.08	ppb	#	98
46) 1,2-Dichloropropane	6.336	63	149867	8.56	ppb	#	94
47) 1,4-Dioxane	6.397	88	7917	203.09	ppb	#	77
49) cis-1,3-Dichloropropene	7.010	75	192938	8.89	ppb	#	53
50) 4-Methyl-2-Pentanone	7.124	43	46900	8.73	ppb	#	70
52) Toluene	7.359	91	673580	9.20	ppb		100
53) trans-1,3-Dichloropropene	7.568	75	139230	8.58	ppb	#	88

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913649.D
Acq On : 8 Sep 2020 11:42 pm
Operator : TMP
Sample : BI00428-BSD1
Misc : QBQV9090820B
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 10 16:22:45 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

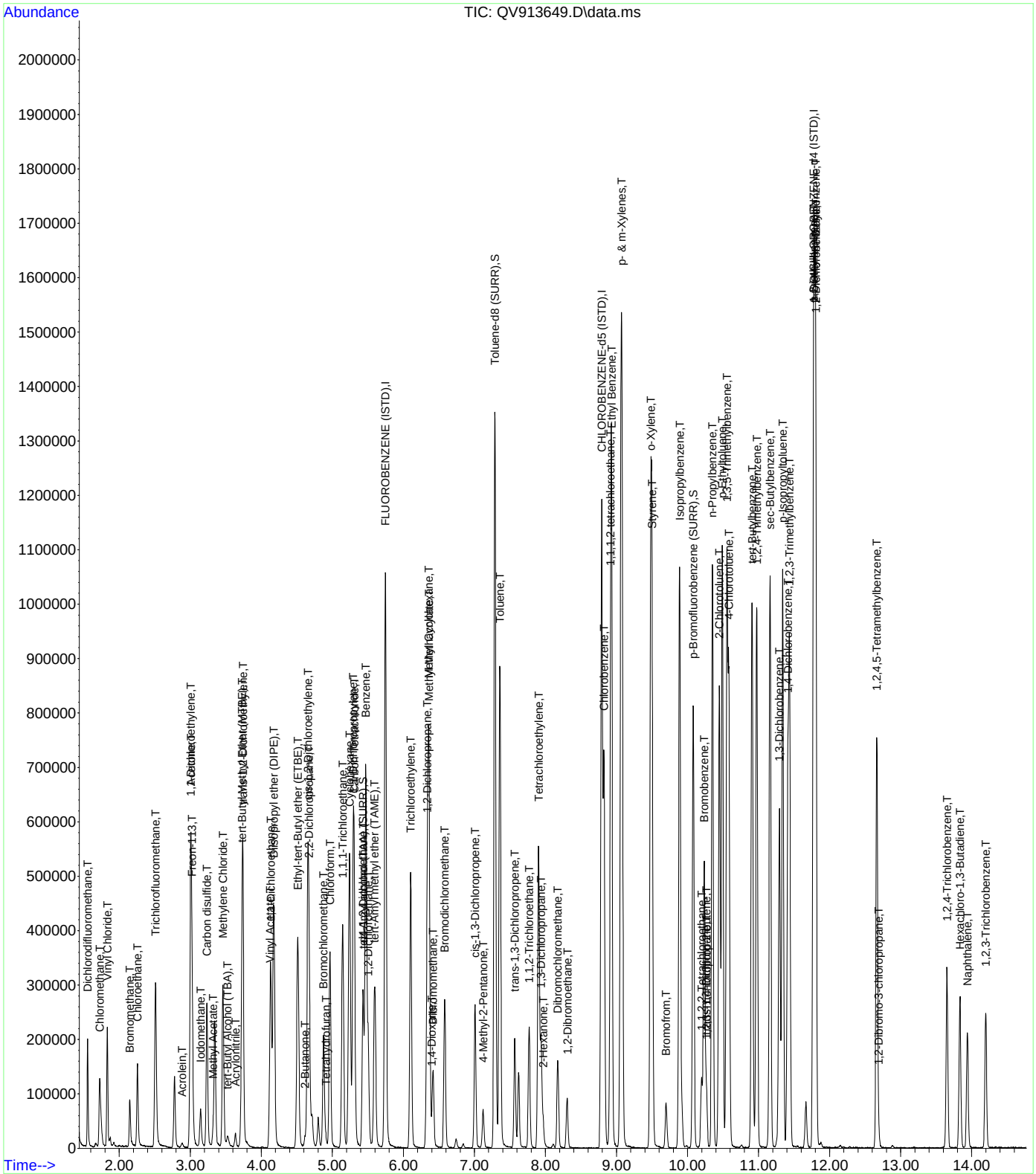
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.769	97	68012	8.61	ppb	#	1
55) 1,3-Dichloropropane	7.937	76	125109	8.81	ppb	#	97
56) Tetrachloroethylene	7.905	166	168173	9.45	ppb	#	100
57) 2-Hexanone	7.966	43	30175	9.06	ppb	#	1
58) Dibromochloromethane	8.173	129	84271	9.13	ppb	#	84
59) 1,2-Dibromoethane	8.309	107	63863	8.81	ppb		93
60) Chlorobenzene	8.824	112	389630	9.20	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.917	131	134635	9.65	ppb	#	49
62) Ethyl Benzene	8.931	91	806429	9.64	ppb		94
63) p- & m-Xylenes	9.071	91	1256394	19.21	ppb		92
64) o-Xylene	9.483	91	616075	9.45	ppb		96
65) Styrene	9.501	104	419385	9.73	ppb	#	82
66) Bromofrom	9.698	173	39385	8.72	ppb	#	81
68) p-Ethyltoluene	10.489	105	728179	10.21	ppb	#	97
69) Isopropylbenzene	9.890	105	775299	9.42	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.198	83	62942	9.17	ppb	#	65
72) Bromobenzene	10.233	77	247327	9.30	ppb	#	75
73) trans-1,4-Dichloro-2-b...	10.265	75	86937m	9.04	ppb		
74) 1,2,3-Trichloropropane	10.268	110	19091	9.53	ppb	#	1
75) n-Propylbenzene	10.349	91	921469	9.56	ppb	#	89
76) 2-Chlorotoluene	10.448	91	538305	9.42	ppb		98
77) 4-Chlorotoluene	10.582	91	598850	9.42	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	639446	9.82	ppb	#	61
79) tert-Butylbenzene	10.910	119	533533	8.64	ppb	#	86
80) 1,2,4-Trimethylbenzene	10.977	105	620691	9.99	ppb		92
81) sec-Butylbenzene	11.163	105	794940	10.26	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	273593	9.48	ppb		94
83) p-Isopropyltoluene	11.340	119	642558	9.85	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	260548	9.50	ppb		92
85) 1,2,3-Trimethylbenzene	11.433	105	554708	13.40	ppb	#	90
86) p-Diethylbenzene	11.776	105	358885	10.88	ppb	#	58
87) 1,2-Dichlorobenzene	11.805	146	215541	9.73	ppb	#	100
88) n-Butylbenzene	11.802	91	626683m	9.54	ppb		
89) 1,2-Dibromo-3-chloropr...	12.692	75	12997	8.76	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	433821	9.36	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.653	180	105514	9.15	ppb	#	6
92) Hexachloro-1,3-Butadiene	13.837	225	60595	9.42	ppb	#	63
93) Naphthalene	13.938	128	175017	8.62	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	80332	8.73	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820A\
Data File : QV913649.D
Acq On : 8 Sep 2020 11:42 pm
Operator : TMP
Sample : BI00428-BSD1
Misc : QBQV9090820B
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 10 16:22:45 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



LCS RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414081.D
Acq On : 8 Sep 2020 11:08 am
Operator : TMP
Sample : BI00456-BS1
Misc : QBQV4090820A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 17:34:09 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	408965	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1484503	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	707601	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	645725	50.55	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 101.10%				
54) Toluene-d8 (SURR)	6.369	98	1979338	49.78	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.56%				
73) p-Bromofluorobenzene (...	9.106	95	802121	48.72	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 97.44%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	269043	52.81	ppb		100
3) Chloromethane	1.297	50	486804	61.08	ppb		98
4) Vinyl Chloride	1.335	62	511198	68.50	ppb		100
5) Bromomethane	1.580	94	239571	75.86	ppb		98
6) Allyl Chloride	2.613	76	146722	45.32	ppb	#	100
7) Chloroethane	1.658	64	319097	75.78	ppb		99
8) Trichlorofluoromethane	1.842	101	798348	60.34	ppb		98
10) Freon-113	2.262	101	339906	52.40	ppb	#	73
11) 1,1-Dichloroethylene	2.284	61	508522	48.15	ppb		90
12) Acrolein	2.248	56	25616	72.36	ppb		92
13) Acetone	2.393	43	88077	38.19	ppb	#	40
14) Iodomethane	2.434	142	289845	53.11	ppb	#	59
15) Methyl Acetate	2.651	43	187756	43.96	ppb		96
16) Carbon disulfide	2.471	76	786850	47.66	ppb		100
17) tert-Butyl Alcohol (TBA)	2.894	59	125368	252.46	ppb	#	1
18) Methylene Chloride	2.743	49	425698	50.56	ppb		83
19) Acrylonitrile	3.002	53	78261	53.19	ppb		97
20) trans-1,2-Dichloroethy...	2.952	61	450686	48.01	ppb		92
21) tert-Butyl Methyl Ethe...	2.944	73	756952	48.11	ppb		99
22) 1,1-Dichloroethane	3.339	63	570803	46.39	ppb	#	99
23) Vinyl Acetate	3.383	43	374520	45.23	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	1018783	44.32	ppb		96
25) Ethyl-tert-Butyl ether...	3.675	59	924388	46.70	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	524393	47.25	ppb	#	68
27) 2-Butanone	3.898	72	25266	57.25	ppb	#	48
28) 2,2-Dichloropropane	3.831	77	540748	48.85	ppb		97
29) Tetrahydrofuran	4.123	42	86302	52.76	ppb		74
30) Bromochloromethane	4.087	49	268631	48.44	ppb	#	67
31) Chloroform	4.159	83	569869	48.48	ppb		99
32) 1,1,1-Trichloroethane	4.276	97	542895	49.12	ppb		99
33) Cyclohexane	4.287	56	551234	46.87	ppb		89
34) 1,1-Dichloropropylene	4.421	75	457865	47.62	ppb		90
36) Carbon Tetrachloride	4.410	117	447240	53.27	ppb		99
37) tert-Amyl alcohol (TAA)	4.688	59	236778	558.27	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	441770	47.79	ppb		99
39) Benzene	4.616	78	1167261	48.43	ppb	#	85
40) tert-Amyl methyl ether...	4.696	73	886888	49.13	ppb		98
42) Trichloroethylene	5.211	95	316530	47.97	ppb		82
43) Methyl Cyclohexane	5.334	83	535687	46.16	ppb	#	75
44) Methyl Methacrylate	5.551	69	162596	49.54	ppb	#	81
45) Dibromomethane	5.578	93	162321	48.31	ppb		90
46) Bromodichloromethane	5.729	83	402310	49.17	ppb		98
47) 1,2-Dichloropropane	5.445	63	287131	44.84	ppb	#	81
48) 1,4-Dioxane	5.598	88	51282	1163.16	ppb		84
49) 2-Chloroethyl vinyl ether	6.010	63	171602	64.30	ppb		97
50) 2-nitropropane	5.976	43	40152	82.23	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	483127	47.80	ppb		89
52) ethyl methacrylate	6.761	69	323418	49.86	ppb	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414081.D
Acq On : 8 Sep 2020 11:08 am
Operator : TMP
Sample : BI00456-BS1
Misc : QBQV4090820A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 17:34:09 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

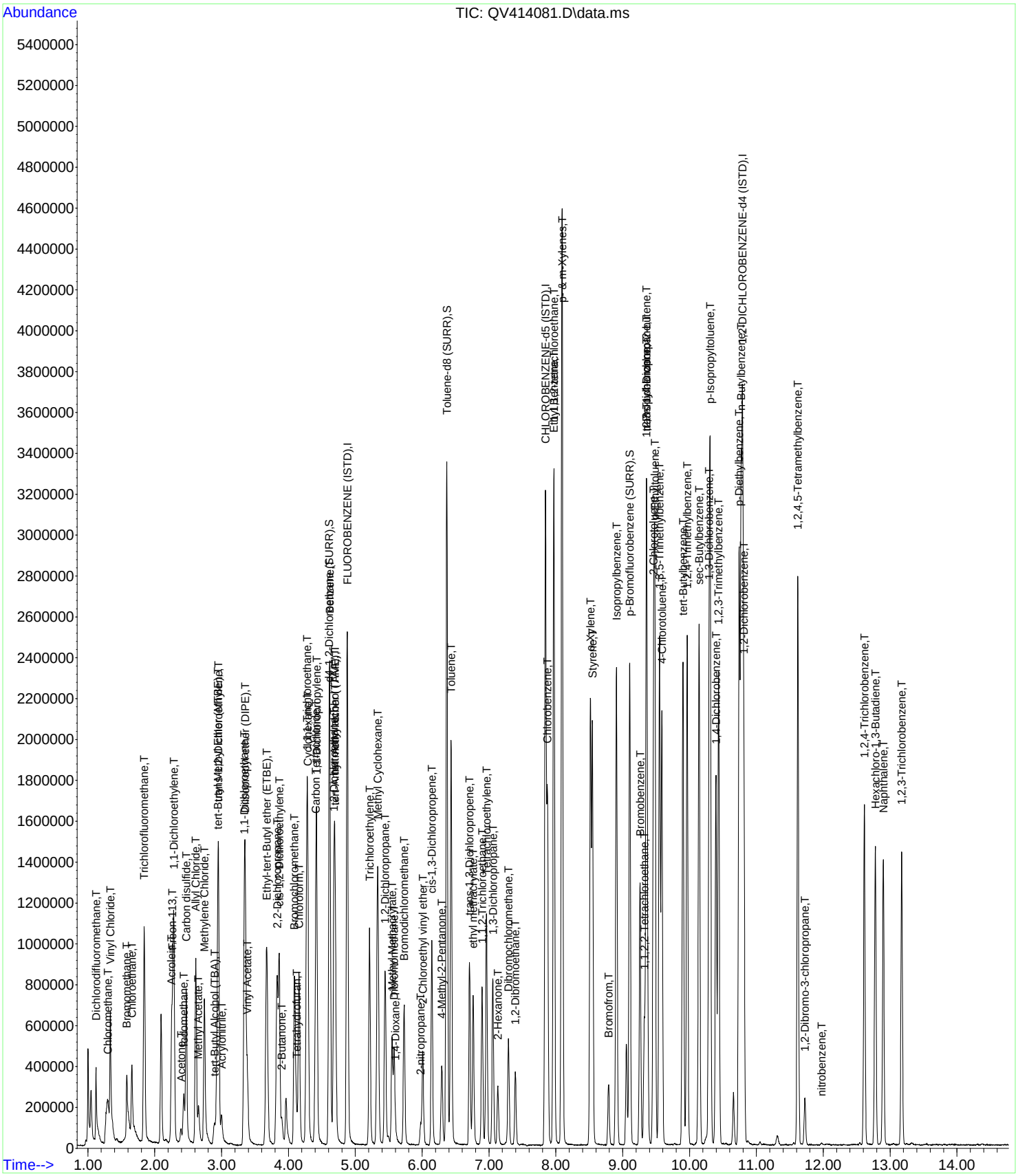
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	280165	53.94	ppb	#	86
55) Toluene	6.433	91	1275630	47.02	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	429393	47.06	ppb		97
57) 1,1,2-Trichloroethane	6.897	97	214786	48.44	ppb		93
58) 1,3-Dichloropropane	7.059	76	408608	46.57	ppb	#	90
59) Tetrachloroethylene	6.964	166	257390	44.10	ppb		92
60) 2-Hexanone	7.131	43	196984	53.65	ppb		91
61) Dibromochloromethane	7.289	129	249735	54.17	ppb		98
62) 1,2-Dibromoethane	7.392	107	222730	48.56	ppb		98
63) Chlorobenzene	7.874	112	785568	47.34	ppb	#	85
64) 1,1,1,2-tetrachloroethane	7.971	131	264832	39.17	ppb	#	54
65) Ethyl Benzene	7.968	91	1581224	46.77	ppb		94
66) p- & m-Xylenes	8.094	91	2578062	95.10	ppb		90
67) o-Xylene	8.516	91	1231566	45.83	ppb		96
68) Styrene	8.547	104	884027	47.56	ppb	#	100
69) Bromofrom	8.789	173	121580	42.18	ppb		99
71) p-Ethyltoluene	9.482	105	1601977	49.32	ppb	#	97
72) Isopropylbenzene	8.906	105	1509502	45.64	ppb		93
74) 1,1,2,2-Tetrachloroethane	9.323	83	284692	50.60	ppb	#	100
75) Bromobenzene	9.259	77	557407	46.04	ppb	#	75
76) trans-1,4-Dichloro-2-b...	9.357	75	369595	51.26	ppb	#	56
77) 1,2,3-Trichloropropane	9.354	110	94751	48.95	ppb		90
78) n-Propylbenzene	9.357	91	1992646	46.39	ppb		94
79) 2-Chlorotoluene	9.462	91	1313503	46.47	ppb		97
80) 4-Chlorotoluene	9.585	91	1329362	46.77	ppb		81
81) 1,3,5-Trimethylbenzene	9.551	105	1331238m	46.56	ppb		
82) tert-Butylbenzene	9.902	119	1095577	45.72	ppb		83
83) 1,2,4-Trimethylbenzene	9.963	105	1333049	45.26	ppb		87
84) sec-Butylbenzene	10.144	105	1784399	49.70	ppb		92
86) 1,3-Dichlorobenzene	10.292	146	628507	47.50	ppb	#	88
87) p-Isopropyltoluene	10.308	119	1547247	47.72	ppb		92
88) 1,4-Dichlorobenzene	10.397	146	604256	47.15	ppb	#	89
89) 1,2,3-Trimethylbenzene	10.433	105	1329971	51.15	ppb		92
90) nitrobenzene	11.972	77	3919m	63.13	ppb		
91) p-Diethylbenzene	10.739	105	938487	55.18	ppb		89
92) 1,2-Dichlorobenzene	10.812	146	581137m	47.94	ppb		
93) n-Butylbenzene	10.770	91	1802465m	47.34	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	63505	53.70	ppb	#	72
95) 1,2,4,5-Tetramethylben...	11.619	119	1403283	49.35	ppb		89
96) 1,2,4-Trichlorobenzene	12.615	180	396339	49.91	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.782	225	237225	50.12	ppb	#	79
98) Naphthalene	12.898	128	996881	51.98	ppb		100
99) 1,2,3-Trichlorobenzene	13.174	180	357140	52.00	ppb		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414081.D
Acq On : 8 Sep 2020 11:08 am
Operator : TMP
Sample : BI00456-BS1
Misc : QBQV4090820A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 17:34:09 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414082.D
Acq On : 8 Sep 2020 11:35 am
Operator : TMP
Sample : BI00456-BSD1
Misc : QBQV4090820A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 17:35:32 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	396735	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	1417980	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.790	152	666651	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	623641	50.32	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 100.64%				
54) Toluene-d8 (SURR)	6.366	98	1901762	50.07	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.14%				
73) p-Bromofluorobenzene (...	9.106	95	768184	49.53	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 99.06%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	275641	55.77	ppb		99
3) Chloromethane	1.294	50	491612	63.59	ppb	#	76
4) Vinyl Chloride	1.333	62	532745	73.58	ppb	#	86
5) Bromomethane	1.580	94	233217	76.12	ppb		97
6) Allyl Chloride	2.613	76	154496	49.19	ppb	#	100
7) Chloroethane	1.655	64	309259	75.70	ppb		99
8) Trichlorofluoromethane	1.842	101	803795	62.63	ppb		98
10) Freon-113	2.268	101	341488	54.26	ppb	#	77
11) 1,1-Dichloroethylene	2.284	61	524205	51.17	ppb		90
12) Acrolein	2.245	56	27704	80.67	ppb		95
13) Acetone	2.390	43	85822	38.36	ppb	#	43
14) Iodomethane	2.432	142	298253	56.33	ppb	#	20
15) Methyl Acetate	2.651	43	188117	45.41	ppb		95
16) Carbon disulfide	2.471	76	801054	50.02	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	128203	266.13	ppb	#	1
18) Methylene Chloride	2.741	49	425910	52.15	ppb		85
19) Acrylonitrile	2.996	53	78376	54.91	ppb		97
20) trans-1,2-Dichloroethy...	2.952	61	457177	50.20	ppb		92
21) tert-Butyl Methyl Ethe...	2.941	73	772726	50.63	ppb		99
22) 1,1-Dichloroethane	3.339	63	574228	48.11	ppb	#	96
23) Vinyl Acetate	3.386	43	388297	48.33	ppb		100
24) Diisopropyl ether (DIPE)	3.353	45	1034364	46.39	ppb	#	94
25) Ethyl-tert-Butyl ether...	3.675	59	928561	48.36	ppb	#	79
26) cis-1,2-Dichloroethylene	3.859	61	523876	48.66	ppb		89
27) 2-Butanone	3.901	72	25598	59.79	ppb	#	1
28) 2,2-Dichloropropane	3.828	77	549651	51.18	ppb	#	77
29) Tetrahydrofuran	4.120	42	84386	53.18	ppb		76
30) Bromochloromethane	4.084	49	265406	49.33	ppb		83
31) Chloroform	4.159	83	578329	50.72	ppb	#	72
32) 1,1,1-Trichloroethane	4.271	97	558461	52.09	ppb		100
33) Cyclohexane	4.285	56	564078	49.44	ppb		88
34) 1,1-Dichloropropylene	4.421	75	462817	49.62	ppb		89
36) Carbon Tetrachloride	4.410	117	455212	55.89	ppb	#	58
37) tert-Amyl alcohol (TAA)	4.691	59	239474	582.03	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	452056	50.41	ppb		99
39) Benzene	4.619	78	1193069	51.03	ppb	#	85
40) tert-Amyl methyl ether...	4.691	73	899344	51.35	ppb	#	90
42) Trichloroethylene	5.211	95	326004	51.73	ppb		80
43) Methyl Cyclohexane	5.336	83	546107	49.26	ppb	#	74
44) Methyl Methacrylate	5.548	69	164168	52.37	ppb	#	81
45) Dibromomethane	5.578	93	160935	50.15	ppb		91
46) Bromodichloromethane	5.729	83	409618	52.42	ppb		98
47) 1,2-Dichloropropane	5.442	63	291072	47.59	ppb	#	96
48) 1,4-Dioxane	5.598	88	49769	1181.80	ppb		87
49) 2-Chloroethyl vinyl ether	6.010	63	172300	67.59	ppb		98
50) 2-nitropropane	5.973	43	38839	83.13	ppb	#	100
51) cis-1,3-Dichloropropene	6.146	75	487978	50.55	ppb		88
52) ethyl methacrylate	6.761	69	330300	53.31	ppb	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414082.D
Acq On : 8 Sep 2020 11:35 am
Operator : TMP
Sample : BI00456-BSD1
Misc : QBQV4090820A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 17:35:32 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

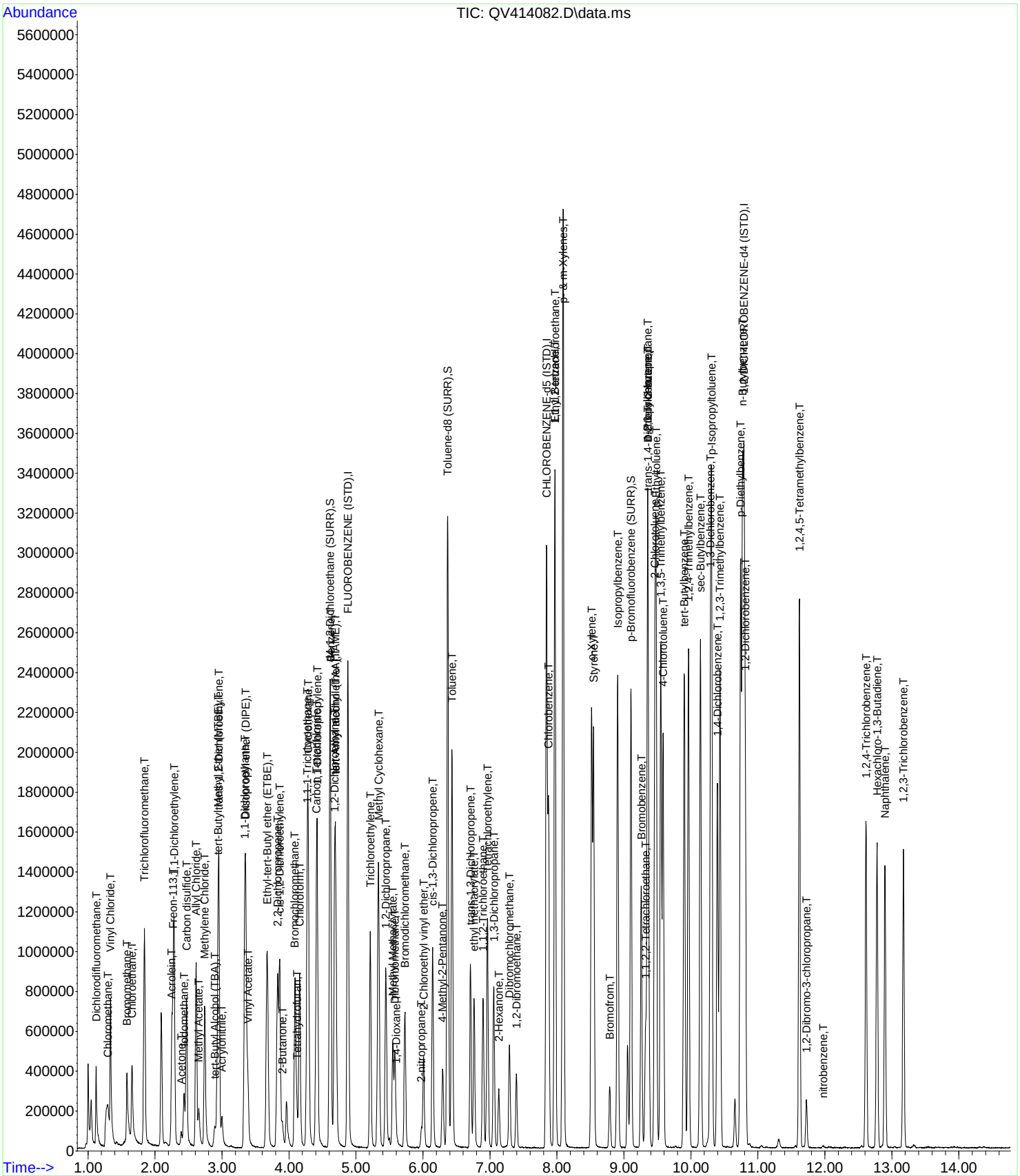
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.291	43	280527	56.54	ppb	#	87
55) Toluene	6.433	91	1296837	50.05	ppb		99
56) trans-1,3-Dichloropropene	6.711	75	436873	50.13	ppb	#	91
57) 1,1,2-Trichloroethane	6.897	97	212600	50.19	ppb		91
58) 1,3-Dichloropropane	7.059	76	407713	48.65	ppb	#	90
59) Tetrachloroethylene	6.964	166	261831	46.97	ppb	#	78
60) 2-Hexanone	7.131	43	198679	56.65	ppb		92
61) Dibromochloromethane	7.289	129	247922	56.30	ppb		97
62) 1,2-Dibromoethane	7.395	107	223381	50.99	ppb		99
63) Chlorobenzene	7.874	112	802344	50.62	ppb		87
64) 1,1,1,2-tetrachloroethane	7.971	131	266543	41.27	ppb	#	54
65) Ethyl Benzene	7.968	91	1623112	50.26	ppb		94
66) p- & m-Xylenes	8.091	91	2607394	100.69	ppb		91
67) o-Xylene	8.516	91	1262940	49.20	ppb		96
68) Styrene	8.547	104	905329	50.99	ppb	#	100
69) Bromofrom	8.789	173	123950	45.02	ppb	#	80
71) p-Ethyltoluene	9.482	105	1634167	53.40	ppb	#	97
72) Isopropylbenzene	8.906	105	1546584	49.63	ppb		92
74) 1,1,2,2-Tetrachloroethane	9.323	83	287622	54.26	ppb	#	100
75) Bromobenzene	9.259	77	572367	50.18	ppb		75
76) trans-1,4-Dichloro-2-b...	9.359	75	372811	54.89	ppb	#	47
77) 1,2,3-Trichloropropane	9.354	110	95904	52.58	ppb		88
78) n-Propylbenzene	9.354	91	2033355	50.25	ppb		94
79) 2-Chlorotoluene	9.462	91	1346590	50.57	ppb		97
80) 4-Chlorotoluene	9.582	91	1206035	45.04	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	1367480	50.76	ppb		90
82) tert-Butylbenzene	9.899	119	1127219	49.93	ppb		83
83) 1,2,4-Trimethylbenzene	9.963	105	1354740	48.82	ppb		87
84) sec-Butylbenzene	10.141	105	1814601	53.64	ppb		92
86) 1,3-Dichlorobenzene	10.292	146	640967	51.42	ppb	#	88
87) p-Isopropyltoluene	10.308	119	1578583	51.67	ppb		92
88) 1,4-Dichlorobenzene	10.394	146	609741	50.50	ppb	#	88
89) 1,2,3-Trimethylbenzene	10.433	105	1355765	55.35	ppb		92
90) nitrobenzene	11.975	77	3527m	60.06	ppb		
91) p-Diethylbenzene	10.739	105	964402	60.19	ppb	#	23
92) 1,2-Dichlorobenzene	10.812	146	581393	50.91	ppb		96
93) n-Butylbenzene	10.770	91	1913806m	53.35	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	63735	57.20	ppb	#	73
95) 1,2,4,5-Tetramethylben...	11.621	119	1430809	53.41	ppb		88
96) 1,2,4-Trichlorobenzene	12.615	180	408828	54.65	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	241304	54.11	ppb	#	76
98) Naphthalene	12.896	128	1012656	56.04	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	359021	55.49	ppb		79

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090820\
Data File : QV414082.D
Acq On : 8 Sep 2020 11:35 am
Operator : TMP
Sample : BI00456-BSD1
Misc : QBQV4090820A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 09 17:35:32 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



LCS RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115748.D
Acq On : 11 Sep 2020 12:25 am
Operator : TMP
Sample : BI00602-BS1
Misc : QBQV1091020B
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 11 07:34:34 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.004	70	571414	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2345693	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.925	152	1148636	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.698	65	852633	47.56	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 95.12%				
54) Toluene-d8 (SURR)	6.515	98	2930572	50.62	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 101.24%				
73) p-Bromofluorobenzene (...	9.236	95	1141742	46.91	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 93.82%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.187	85	532678	96.44	ppb		100
3) Chloromethane	1.329	50	531930	69.45	ppb		98
4) Vinyl Chloride	1.410	62	550954	74.55	ppb		100
5) Bromomethane	1.660	94	263642	67.55	ppb		99
6) Allyl Chloride	2.717	76	245648	46.99	ppb	#	100
7) Chloroethane	1.744	64	329272	88.61	ppb		99
8) Trichlorofluoromethane	1.955	101	821272	67.87	ppb		98
10) Freon-113	2.403	101	439205	52.09	ppb	#	92
11) 1,1-Dichloroethylene	2.397	61	759110	50.85	ppb		92
12) Acrolein	2.325	56	38161	23.35	ppb		96
13) Acetone	2.464	43	224848	39.79	ppb	#	39
14) Iodomethane	2.528	142	430067	61.00	ppb	#	48
15) Methyl Acetate	2.748	43	422636	45.39	ppb		98
16) Carbon disulfide	2.581	76	1393107	52.94	ppb		100
17) tert-Butyl Alcohol (TBA)	2.962	59	282429	190.16	ppb	#	1
18) Methylene Chloride	2.826	49	675587	50.47	ppb		94
19) Acrylonitrile	3.054	53	249863	48.67	ppb		97
20) trans-1,2-Dichloroethy...	3.065	61	744722	49.86	ppb		93
21) tert-Butyl Methyl Ethe...	3.074	73	1280837	46.96	ppb	#	92
22) 1,1-Dichloroethane	3.441	63	881637	46.05	ppb	#	99
23) Vinyl Acetate	3.502	43	1209000	44.08	ppb		100
24) Diisopropyl ether (DIPE)	3.510	45	1532138	45.62	ppb		98
25) Ethyl-tert-Butyl ether...	3.833	59	1460396	45.37	ppb	#	97
26) cis-1,2-Dichloroethylene	3.958	61	838796	47.19	ppb		94
27) 2-Butanone	3.978	72	76607	49.96	ppb		91
28) 2,2-Dichloropropane	3.958	77	547889	41.70	ppb		94
29) Tetrahydrofuran	4.217	42	171295	45.39	ppb		95
30) Bromochloromethane	4.170	49	446126	47.46	ppb		88
31) Chloroform	4.250	83	815754	45.95	ppb		99
32) 1,1,1-Trichloroethane	4.409	97	677414	45.31	ppb		97
33) Cyclohexane	4.454	56	981651	51.00	ppb		87
34) 1,1-Dichloropropylene	4.559	75	655652	47.75	ppb		82
36) Carbon Tetrachloride	4.556	117	557578	46.03	ppb		99
37) tert-Amyl alcohol (TAA)	4.774	59	485653	483.78	ppb	#	100
38) 1,2-Dichloroethane	4.765	62	669651	44.73	ppb		100
39) Benzene	4.746	78	1974526	49.65	ppb	#	97
40) tert-Amyl methyl ether...	4.854	73	1196841	45.97	ppb		96
42) Trichloroethylene	5.344	95	486404	46.62	ppb		91
43) Methyl Cyclohexane	5.522	83	938601	51.04	ppb	#	80
44) Methyl Methacrylate	5.678	69	377635	48.38	ppb	#	98
45) Dibromomethane	5.667	93	296924	45.54	ppb	#	64
46) Bromodichloromethane	5.822	83	616340	46.33	ppb		98
47) 1,2-Dichloropropane	5.558	63	529601	46.81	ppb	#	98
48) 1,4-Dioxane	5.694	88	140167	1041.85	ppb		81
49) 2-Chloroethyl vinyl ether	6.123	63	362829	64.58	ppb		98
50) 2-nitropropane	6.045	43	93574	36.33	ppb	#	100
51) cis-1,3-Dichloropropene	6.256	75	726000	45.69	ppb		94
52) ethyl methacrylate	6.907	69	657193	48.73	ppb	#	100

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115748.D
Acq On : 11 Sep 2020 12:25 am
Operator : TMP
Sample : BI00602-BS1
Misc : QBQV1091020B
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 11 07:34:34 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

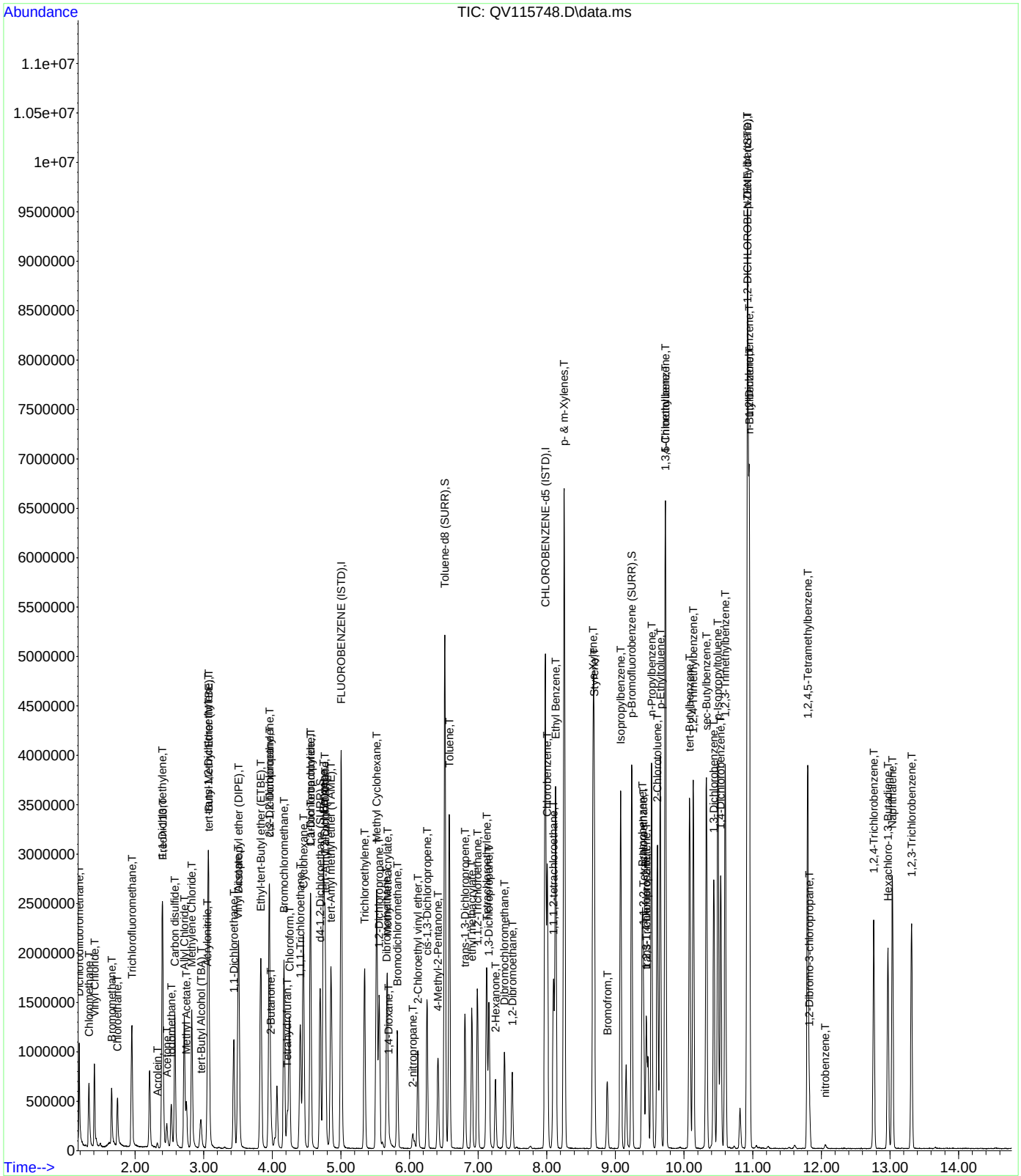
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53)	4-Methyl-2-Pentanone	6.415	43	554280	48.19	ppb		97
55)	Toluene	6.579	91	2087921	48.11	ppb		100
56)	trans-1,3-Dichloropropene	6.807	75	608247	43.70	ppb		99
57)	1,1,2-Trichloroethane	6.991	97	445652	48.26	ppb		97
58)	1,3-Dichloropropane	7.155	76	756326	46.85	ppb	#	99
59)	Tetrachloroethylene	7.125	166	449017	41.25	ppb	#	71
60)	2-Hexanone	7.252	43	394235	47.64	ppb		94
61)	Dibromochloromethane	7.383	129	444623	48.57	ppb		98
62)	1,2-Dibromoethane	7.497	107	442437	47.49	ppb		97
63)	Chlorobenzene	8.006	112	1345320	47.67	ppb		95
64)	1,1,1,2-tetrachloroethane	8.095	131	407495	46.75	ppb	#	57
65)	Ethyl Benzene	8.129	91	2354545	48.18	ppb		100
66)	p- & m-Xylenes	8.251	91	3508095	94.95	ppb		98
67)	o-Xylene	8.674	91	1829807	47.01	ppb		99
68)	Styrene	8.691	104	1500394	49.34	ppb	#	100
69)	Bromofrom	8.883	173	259683	48.12	ppb		98
71)	p-Ethyltoluene	9.654	105	2353426	50.57	ppb	#	100
72)	Isopropylbenzene	9.078	105	2271555	46.29	ppb		98
74)	1,1,2,2-Tetrachloroethane	9.409	83	612738	49.33	ppb	#	100
75)	Bromobenzene	9.392	77	863550	45.02	ppb		83
76)	trans-1,4-Dichloro-2-b...	9.450	75	635368	46.38	ppb	#	94
77)	1,2,3-Trichloropropane	9.450	110	183586	46.94	ppb	#	54
78)	n-Propylbenzene	9.526	91	2764756	47.15	ppb		98
79)	2-Chlorotoluene	9.609	91	1576075	45.12	ppb		99
80)	4-Chlorotoluene	9.729	91	1833675	45.38	ppb		82
81)	1,3,5-Trimethylbenzene	9.726	105	1923012m	47.46	ppb		
82)	tert-Butylbenzene	10.079	119	1648280	41.71	ppb		94
83)	1,2,4-Trimethylbenzene	10.135	105	1917523	47.56	ppb		94
84)	sec-Butylbenzene	10.327	105	2569613	49.87	ppb		97
86)	1,3-Dichlorobenzene	10.433	146	980536	46.15	ppb		96
87)	p-Isopropyltoluene	10.491	119	2104817	47.52	ppb		97
88)	1,4-Dichlorobenzene	10.533	146	983827	46.17	ppb		95
89)	1,2,3-Trimethylbenzene	10.600	105	2019143	53.16	ppb		99
90)	nitrobenzene	12.057	77	18742	41.34	ppb	#	100
91)	p-Diethylbenzene	10.922	105	1321550	55.57	ppb		96
92)	1,2-Dichlorobenzene	10.947	146	965847	47.01	ppb	#	88
93)	n-Butylbenzene	10.950	91	2314377m	47.40	ppb		
94)	1,2-Dibromo-3-chloropr...	11.824	75	127913	44.85	ppb	#	36
95)	1,2,4,5-Tetramethylben...	11.801	119	1951034	49.58	ppb		97
96)	1,2,4-Trichlorobenzene	12.764	180	601368	45.80	ppb	#	100
97)	Hexachloro-1,3-Butadiene	12.970	225	359025	46.61	ppb		87
98)	Naphthalene	13.034	128	1959858	45.51	ppb		99
99)	1,2,3-Trichlorobenzene	13.315	180	606994	47.28	ppb		78

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115748.D
Acq On : 11 Sep 2020 12:25 am
Operator : TMP
Sample : BI00602-BS1
Misc : QBQV1091020B
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Sep 11 07:34:34 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115749.D
Acq On : 11 Sep 2020 12:52 am
Operator : TMP
Sample : BI00602-BSD1
Misc : QBQV1091020B
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 11 07:34:45 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.005	70	573252	50.00	ppb		# 0.00
41) CHLOROBENZENE-d5 (ISTD)	7.979	117	2373885	50.00	ppb		# 0.00
70) 1,2-DICHLOROBENZENE-d4...	10.925	152	1168953	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.701	65	876656	48.75	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 97.50%				
54) Toluene-d8 (SURR)	6.513	98	2973899	50.76	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 101.52%				
73) p-Bromofluorobenzene (...	9.236	95	1173007	47.36	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 94.72%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.187	85	573613	103.52	ppb		99
3) Chloromethane	1.329	50	585314	76.18	ppb		100
4) Vinyl Chloride	1.407	62	594096	80.14	ppb	#	86
5) Bromomethane	1.660	94	286997	73.29	ppb		99
6) Allyl Chloride	2.720	76	273183	52.09	ppb	#	100
7) Chloroethane	1.744	64	354157	95.01	ppb		99
8) Trichlorofluoromethane	1.955	101	880583	72.54	ppb		98
10) Freon-113	2.403	101	474511	56.10	ppb	#	92
11) 1,1-Dichloroethylene	2.398	61	826702	55.20	ppb		93
12) Acrolein	2.328	56	43989	26.82	ppb		97
13) Acetone	2.464	43	247540	43.67	ppb	#	39
14) Iodomethane	2.528	142	467873	66.15	ppb	#	20
15) Methyl Acetate	2.751	43	487276	52.16	ppb		98
16) Carbon disulfide	2.581	76	1570693	59.49	ppb		100
17) tert-Butyl Alcohol (TBA)	2.960	59	360975	242.27	ppb	#	1
18) Methylene Chloride	2.826	49	739485	55.06	ppb		94
19) Acrylonitrile	3.051	53	297846	57.83	ppb		96
20) trans-1,2-Dichloroethy...	3.065	61	809208	54.01	ppb		94
21) tert-Butyl Methyl Ethe...	3.074	73	1428612	52.21	ppb	#	92
22) 1,1-Dichloroethane	3.441	63	953668	49.65	ppb	#	99
23) Vinyl Acetate	3.505	43	1362029	49.50	ppb		100
24) Diisopropyl ether (DIPE)	3.510	45	1687923	50.09	ppb		98
25) Ethyl-tert-Butyl ether...	3.833	59	1618974	50.14	ppb	#	98
26) cis-1,2-Dichloroethylene	3.958	61	923636	51.79	ppb		94
27) 2-Butanone	3.981	72	90923	59.11	ppb		94
28) 2,2-Dichloropropane	3.956	77	612198	46.44	ppb	#	86
29) Tetrahydrofuran	4.220	42	213862	56.49	ppb		92
30) Bromochloromethane	4.173	49	493731	52.36	ppb	#	64
31) Chloroform	4.251	83	899336	50.49	ppb		99
32) 1,1,1-Trichloroethane	4.409	97	749491	49.97	ppb	#	85
33) Cyclohexane	4.454	56	1067049	55.26	ppb		87
34) 1,1-Dichloropropylene	4.559	75	717482	52.09	ppb		83
36) Carbon Tetrachloride	4.554	117	608752	50.10	ppb		99
37) tert-Amyl alcohol (TAA)	4.774	59	584631	580.51	ppb	#	100
38) 1,2-Dichloroethane	4.771	62	742433	49.44	ppb		100
39) Benzene	4.749	78	2180893	54.67	ppb	#	96
40) tert-Amyl methyl ether...	4.857	73	1341244	51.36	ppb	#	89
42) Trichloroethylene	5.344	95	533165	50.50	ppb		91
43) Methyl Cyclohexane	5.519	83	1022443	54.94	ppb	#	81
44) Methyl Methacrylate	5.681	69	429855	54.42	ppb	#	81
45) Dibromomethane	5.667	93	328387	49.77	ppb		95
46) Bromodichloromethane	5.823	83	683258	50.75	ppb		98
47) 1,2-Dichloropropane	5.558	63	585184	51.10	ppb	#	98
48) 1,4-Dioxane	5.695	88	169778	1246.96	ppb		86
49) 2-Chloroethyl vinyl ether	6.120	63	407123	71.61	ppb		98
50) 2-nitropropane	6.051	43	110374	42.06	ppb	#	100
51) cis-1,3-Dichloropropene	6.257	75	812420	50.52	ppb		94
52) ethyl methacrylate	6.908	69	751440	55.05	ppb	#	100

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115749.D
Acq On : 11 Sep 2020 12:52 am
Operator : TMP
Sample : BI00602-BSD1
Misc : QBQV1091020B
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 11 07:34:45 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1

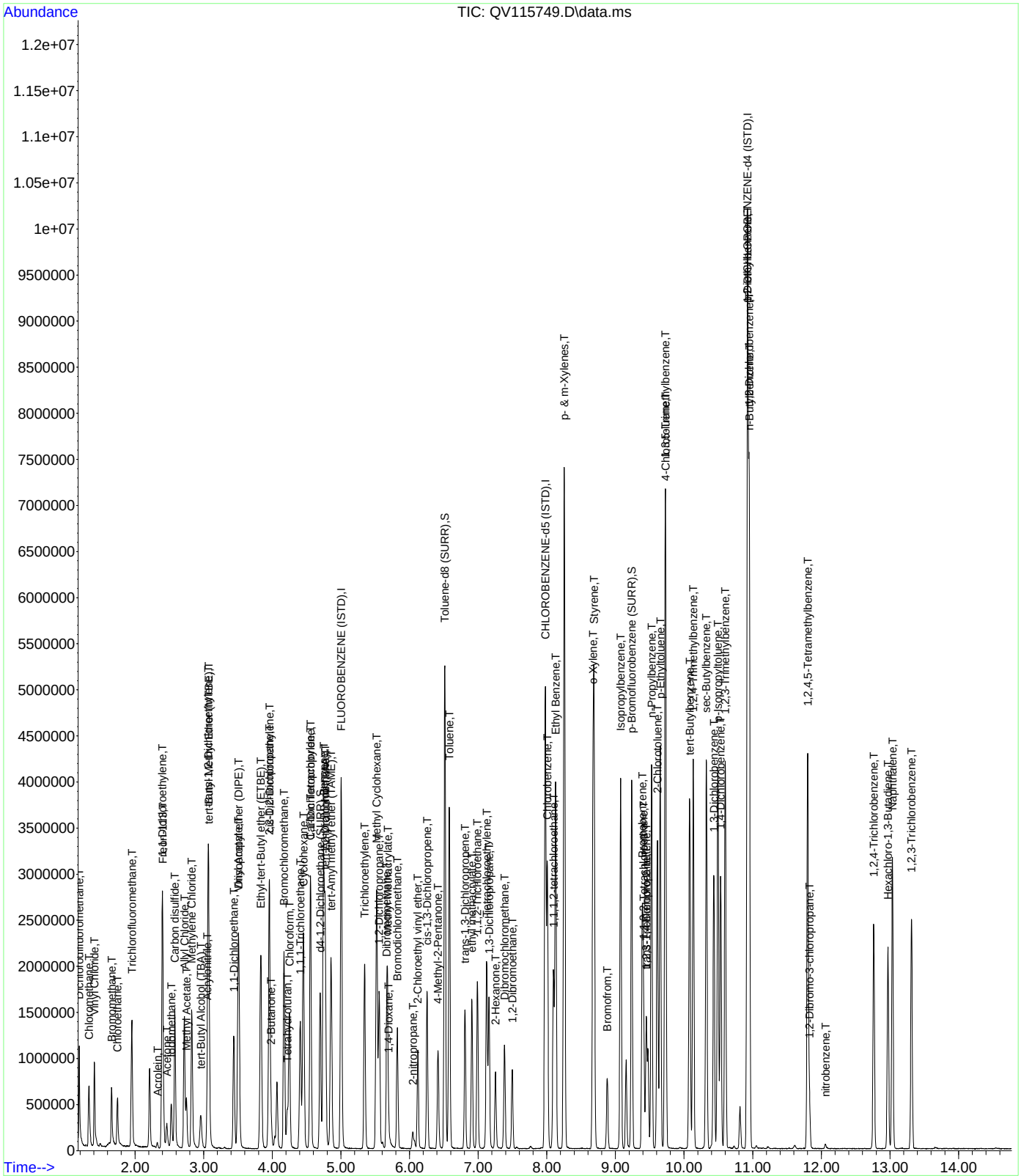
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.415	43	634084	54.48	ppb		97
55) Toluene	6.579	91	2275427	51.81	ppb		99
56) trans-1,3-Dichloropropene	6.807	75	679853	48.27	ppb		99
57) 1,1,2-Trichloroethane	6.988	97	494914	52.95	ppb		98
58) 1,3-Dichloropropane	7.161	76	837167	51.24	ppb	#	99
59) Tetrachloroethylene	7.125	166	485042	44.03	ppb		96
60) 2-Hexanone	7.253	43	460497	54.99	ppb		94
61) Dibromochloromethane	7.386	129	491568	53.06	ppb		97
62) 1,2-Dibromoethane	7.497	107	490858	52.06	ppb		100
63) Chlorobenzene	8.009	112	1486306	52.04	ppb		94
64) 1,1,1,2-tetrachloroethane	8.098	131	449269	50.93	ppb	#	57
65) Ethyl Benzene	8.129	91	2568027	51.93	ppb		99
66) p- & m-Xylenes	8.254	91	3826636	102.34	ppb		98
67) o-Xylene	8.674	91	2000239	50.78	ppb		99
68) Styrene	8.688	104	1644572	53.44	ppb	#	100
69) Bromofrom	8.880	173	299358	54.81	ppb		98
71) p-Ethyltoluene	9.654	105	2575974	54.40	ppb	#	97
72) Isopropylbenzene	9.075	105	2467535	49.40	ppb		98
74) 1,1,2,2-Tetrachloroethane	9.412	83	682051	53.96	ppb	#	100
75) Bromobenzene	9.392	77	956159	48.98	ppb		83
76) trans-1,4-Dichloro-2-b...	9.451	75	743124	53.30	ppb	#	94
77) 1,2,3-Trichloropropane	9.451	110	207022	52.01	ppb		68
78) n-Propylbenzene	9.526	91	2986526	50.05	ppb		98
79) 2-Chlorotoluene	9.612	91	1726723	48.57	ppb		99
80) 4-Chlorotoluene	9.732	91	2026500	49.28	ppb		83
81) 1,3,5-Trimethylbenzene	9.726	105	2085468m	50.58	ppb		
82) tert-Butylbenzene	10.082	119	1763688	43.85	ppb		94
83) 1,2,4-Trimethylbenzene	10.135	105	2090410	50.95	ppb		94
84) sec-Butylbenzene	10.324	105	2771975	52.86	ppb		97
86) 1,3-Dichlorobenzene	10.435	146	1082174	50.05	ppb		97
87) p-Isopropyltoluene	10.494	119	2300413	51.03	ppb		97
88) 1,4-Dichlorobenzene	10.533	146	1084294	50.00	ppb		96
89) 1,2,3-Trimethylbenzene	10.600	105	2225227	57.57	ppb		99
90) nitrobenzene	12.063	77	20547	44.34	ppb	#	100
91) p-Diethylbenzene	10.925	105	1447797	59.82	ppb		96
92) 1,2-Dichlorobenzene	10.947	146	1071743	51.25	ppb		98
93) n-Butylbenzene	10.950	91	2534357m	51.01	ppb		
94) 1,2-Dibromo-3-chloropr...	11.827	75	149622	51.55	ppb	#	36
95) 1,2,4,5-Tetramethylben...	11.802	119	2132082	53.24	ppb		97
96) 1,2,4-Trichlorobenzene	12.764	180	688160	51.50	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.970	225	392837	50.11	ppb		86
98) Naphthalene	13.037	128	2248742	51.31	ppb		99
99) 1,2,3-Trichlorobenzene	13.312	180	673679	51.56	ppb		80

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091020A\
Data File : QV115749.D
Acq On : 11 Sep 2020 12:52 am
Operator : TMP
Sample : BI00602-BSD1
Misc : QBQV1091020B
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Sep 11 07:34:45 2020
Quant Method : C:\msdchem\1\methods\VQ1S0035.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Fri Aug 07 10:18:47 2020
Response via : Initial Calibration
InstName : QVOA1



LCS RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414110.D
Acq On : 9 Sep 2020 10:52 am
Operator : TMP
Sample : BI00455-BS1
Misc : QBQV4090920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 11:28:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	691164	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2555159	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1259671	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	957844	44.37	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 88.74%				
54) Toluene-d8 (SURR)	6.369	98	3432714	50.16	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.32%				
73) p-Bromofluorobenzene (...	9.104	95	1323165	45.15	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 90.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	367163	42.64	ppb		100
3) Chloromethane	1.294	50	753212	55.92	ppb	#	76
4) Vinyl Chloride	1.333	62	739951	58.67	ppb		100
5) Bromomethane	1.580	94	268286	50.27	ppb		99
6) Allyl Chloride	2.615	76	264389	48.32	ppb	#	100
7) Chloroethane	1.655	64	365357	51.34	ppb		97
8) Trichlorofluoromethane	1.842	101	953144	42.63	ppb		98
10) Freon-113	2.265	101	557157	50.82	ppb	#	92
11) 1,1-Dichloroethylene	2.284	61	832053	46.62	ppb		92
12) Acrolein	2.251	56	17471m	29.20	ppb		
13) Acetone	2.393	43	142337	36.52	ppb	#	43
14) Iodomethane	2.432	142	511527	55.46	ppb	#	20
15) Methyl Acetate	2.651	43	332834	46.12	ppb		95
16) Carbon disulfide	2.471	76	1365485	48.94	ppb		100
17) tert-Butyl Alcohol (TBA)	2.891	59	214575	255.68	ppb	#	1
18) Methylene Chloride	2.743	49	694344	48.80	ppb		90
19) Acrylonitrile	2.996	53	137148	55.16	ppb		100
20) trans-1,2-Dichloroethy...	2.955	61	728242	45.90	ppb	#	66
21) tert-Butyl Methyl Ethe...	2.941	73	1320671	49.67	ppb		100
22) 1,1-Dichloroethane	3.336	63	945851	45.48	ppb	#	96
23) Vinyl Acetate	3.383	43	603173m	43.10	ppb		
24) Diisopropyl ether (DIPE)	3.355	45	1728636	44.50	ppb		97
25) Ethyl-tert-Butyl ether...	3.673	59	1593031	47.62	ppb	#	79
26) cis-1,2-Dichloroethylene	3.859	61	836512	44.60	ppb		94
27) 2-Butanone	3.901	72	43118	57.81	ppb	#	1
28) 2,2-Dichloropropane	3.831	77	772276	41.28	ppb		100
29) Tetrahydrofuran	4.118	42	135690	49.09	ppb		82
30) Bromochloromethane	4.084	49	430444	45.93	ppb		87
31) Chloroform	4.157	83	926872	46.66	ppb	#	72
32) 1,1,1-Trichloroethane	4.274	97	846892	45.34	ppb		99
33) Cyclohexane	4.285	56	905608	45.56	ppb		92
34) 1,1-Dichloropropylene	4.421	75	746567	45.94	ppb		85
36) Carbon Tetrachloride	4.407	117	662419	46.68	ppb		99
37) tert-Amyl alcohol (TAA)	4.688	59	401402	560.00	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	672750	43.07	ppb		99
39) Benzene	4.619	78	2046383	50.24	ppb	#	88
40) tert-Amyl methyl ether...	4.696	73	1592278	52.19	ppb	#	92
42) Trichloroethylene	5.211	95	532004	46.84	ppb		85
43) Methyl Cyclohexane	5.334	83	913346	45.72	ppb	#	81
44) Methyl Methacrylate	5.548	69	278607	49.32	ppb	#	81
45) Dibromomethane	5.581	93	261828	45.28	ppb		96
46) Bromodichloromethane	5.729	83	630208	44.75	ppb		98
47) 1,2-Dichloropropane	5.445	63	486367	44.13	ppb	#	98
48) 1,4-Dioxane	5.598	88	87047	1147.08	ppb		87
49) 2-Chloroethyl vinyl ether	6.007	63	277173	60.34	ppb		98
50) 2-nitropropane	5.973	43	32060	41.48	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	758379	43.60	ppb		94
52) ethyl methacrylate	6.761	69	554218	49.64	ppb	#	100

Data Path : C:\msdchem\1\data\090920\
Data File : QV414110.D
Acq On : 9 Sep 2020 10:52 am
Operator : TMP
Sample : BI00455-BS1
Misc : QBQV4090920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 11:28:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

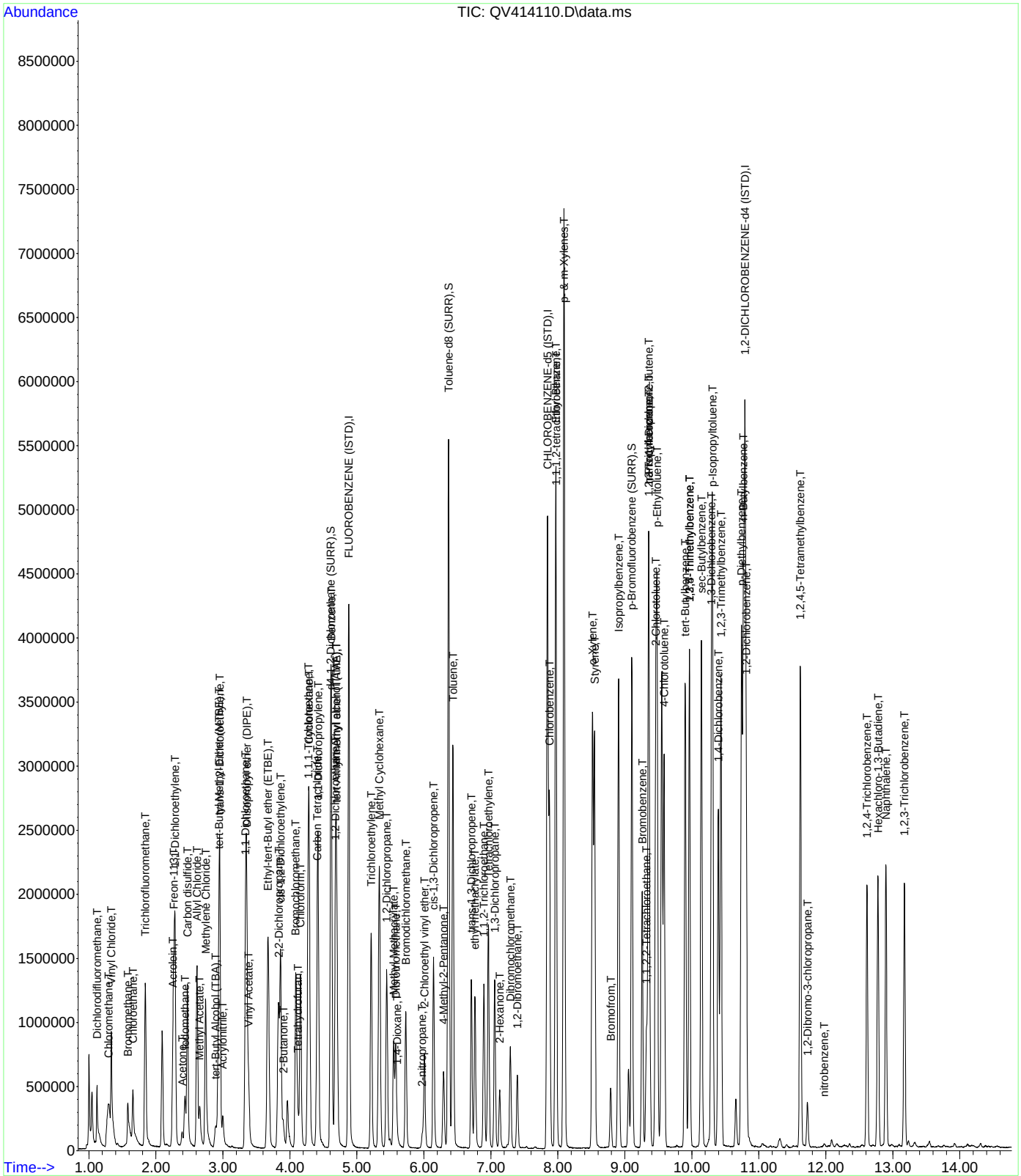
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	422346	47.24	ppb	#	88
55) Toluene	6.435	91	2168363	46.44	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	642670	40.93	ppb		98
57) 1,1,2-Trichloroethane	6.897	97	376114	49.28	ppb		97
58) 1,3-Dichloropropane	7.056	76	696913	46.15	ppb	#	94
59) Tetrachloroethylene	6.964	166	444499	44.25	ppb		94
60) 2-Hexanone	7.134	43	300181	47.50	ppb		94
61) Dibromochloromethane	7.292	129	407003	51.29	ppb	#	96
62) 1,2-Dibromoethane	7.392	107	379613	48.09	ppb		99
63) Chlorobenzene	7.874	112	1345551	47.11	ppb		90
64) 1,1,1,2-tetrachloroethane	7.974	131	455725	39.16	ppb	#	53
65) Ethyl Benzene	7.968	91	2542609	43.69	ppb		96
66) p- & m-Xylenes	8.091	91	4063924	87.09	ppb		93
67) o-Xylene	8.516	91	2011032	43.48	ppb		97
68) Styrene	8.547	104	1493728	46.69	ppb	#	100
69) Bromofrom	8.789	173	204985	41.32	ppb		99
71) p-Ethyltoluene	9.479	105	2489442	43.05	ppb	#	97
72) Isopropylbenzene	8.906	105	2478076	42.08	ppb		95
74) 1,1,2,2-Tetrachloroethane	9.321	83	461970	46.12	ppb	#	100
75) Bromobenzene	9.259	77	888950	41.24	ppb		81
76) trans-1,4-Dichloro-2-b...	9.357	75	559919	43.63	ppb	#	61
77) 1,2,3-Trichloropropane	9.354	110	153596	44.57	ppb		98
78) n-Propylbenzene	9.357	91	3037446	39.72	ppb		96
79) 2-Chlorotoluene	9.460	91	2028904	40.32	ppb		98
80) 4-Chlorotoluene	9.585	91	1996268	39.45	ppb		82
81) 1,3,5-Trimethylbenzene	9.963	105	2112134	41.49	ppb		90
82) tert-Butylbenzene	9.899	119	1818375	42.63	ppb		87
83) 1,2,4-Trimethylbenzene	9.963	105	2112134	40.28	ppb		90
84) sec-Butylbenzene	10.141	105	2895322	45.30	ppb		95
86) 1,3-Dichlorobenzene	10.292	146	1016635	43.16	ppb		92
87) p-Isopropyltoluene	10.308	119	2402929	41.63	ppb		95
88) 1,4-Dichlorobenzene	10.394	146	942539m	41.31	ppb		
89) 1,2,3-Trimethylbenzene	10.436	105	2161307	46.70	ppb		95
90) nitrobenzene	11.972	77	5410m	48.01	ppb		
91) p-Diethylbenzene	10.739	105	1369763	45.24	ppb		95
92) 1,2-Dichlorobenzene	10.812	146	972643	45.07	ppb	#	88
93) n-Butylbenzene	10.767	91	2538924m	37.46	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	92466	43.92	ppb	#	79
95) 1,2,4,5-Tetramethylben...	11.619	119	2099006	41.47	ppb		92
96) 1,2,4-Trichlorobenzene	12.612	180	583641	41.29	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	386945	45.92	ppb		84
98) Naphthalene	12.898	128	1677805	49.14	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	556526	45.52	ppb		81

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414110.D
Acq On : 9 Sep 2020 10:52 am
Operator : TMP
Sample : BI00455-BS1
Misc : QBQV4090920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 09 11:28:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414111.D
Acq On : 9 Sep 2020 11:18 am
Operator : TMP
Sample : BI00455-BSD1
Misc : QBQV4090920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 14:29:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	683142	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.846	117	2580072	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1259217	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	962135	45.09	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 90.18%				
54) Toluene-d8 (SURR)	6.368	98	3424781	49.56	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 99.12%				
73) p-Bromofluorobenzene (...	9.106	95	1339260	45.71	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 91.42%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	360467	42.36	ppb		100
3) Chloromethane	1.294	50	756982	56.86	ppb	#	96
4) Vinyl Chloride	1.335	62	738800	59.26	ppb		100
5) Bromomethane	1.583	94	249664	47.33	ppb		99
6) Allyl Chloride	2.612	76	259937	48.06	ppb	#	100
7) Chloroethane	1.655	64	357979	50.89	ppb		99
8) Trichlorofluoromethane	1.842	101	919260	41.59	ppb		97
10) Freon-113	2.262	101	551270	50.87	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	814285	46.16	ppb		92
12) Acrolein	2.251	56	24919	42.14	ppb		94
13) Acetone	2.390	43	139693	36.26	ppb	#	43
14) Iodomethane	2.434	142	509348	55.87	ppb	#	20
15) Methyl Acetate	2.651	43	340883	47.79	ppb		95
16) Carbon disulfide	2.471	76	1345704	48.80	ppb		100
17) tert-Butyl Alcohol (TBA)	2.888	59	222875	268.69	ppb	#	1
18) Methylene Chloride	2.740	49	692472	49.24	ppb		89
19) Acrylonitrile	3.002	53	140214	57.05	ppb		99
20) trans-1,2-Dichloroethy...	2.952	61	741491	47.28	ppb		93
21) tert-Butyl Methyl Ethe...	2.941	73	1292642	49.19	ppb	#	93
22) 1,1-Dichloroethane	3.339	63	944967	45.98	ppb	#	99
23) Vinyl Acetate	3.383	43	484089	34.99	ppb	#	99
24) Diisopropyl ether (DIPE)	3.353	45	1745199	45.45	ppb		97
25) Ethyl-tert-Butyl ether...	3.672	59	1589591	48.08	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	852565	45.99	ppb		93
27) 2-Butanone	3.901	72	44757	60.71	ppb	#	50
28) 2,2-Dichloropropane	3.831	77	759821	41.09	ppb		98
29) Tetrahydrofuran	4.118	42	143866	52.66	ppb		78
30) Bromochloromethane	4.084	49	431011	46.53	ppb		86
31) Chloroform	4.157	83	912218	46.46	ppb	#	93
32) 1,1,1-Trichloroethane	4.276	97	825556	44.72	ppb	#	85
33) Cyclohexane	4.287	56	915070	46.58	ppb		92
34) 1,1-Dichloropropylene	4.421	75	742220	46.21	ppb		84
36) Carbon Tetrachloride	4.407	117	651313	46.44	ppb		99
37) tert-Amyl alcohol (TAA)	4.691	59	422474	596.32	ppb	#	100
38) 1,2-Dichloroethane	4.680	62	675489m	43.75	ppb		
39) Benzene	4.618	78	2051731	50.96	ppb	#	88
40) tert-Amyl methyl ether...	4.696	73	1600303	53.07	ppb	#	89
42) Trichloroethylene	5.211	95	526832	45.94	ppb		83
43) Methyl Cyclohexane	5.333	83	914435	45.34	ppb	#	81
44) Methyl Methacrylate	5.548	69	283221	49.65	ppb	#	81
45) Dibromomethane	5.578	93	264792	45.35	ppb		93
46) Bromodichloromethane	5.731	83	616250	43.34	ppb		98
47) 1,2-Dichloropropane	5.448	63	495747	44.55	ppb	#	81
48) 1,4-Dioxane	5.595	88	98159	1281.02	ppb		90
49) 2-Chloroethyl vinyl ether	6.010	63	288601	62.22	ppb		98
50) 2-nitropropane	5.976	43	30783	39.60	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	768814	43.77	ppb		94
52) ethyl methacrylate	6.761	69	565201	50.14	ppb	#	100

Data Path : C:\msdchem\1\data\090920\
Data File : QV414111.D
Acq On : 9 Sep 2020 11:18 am
Operator : TMP
Sample : BI00455-BSD1
Misc : QBQV4090920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 14:29:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

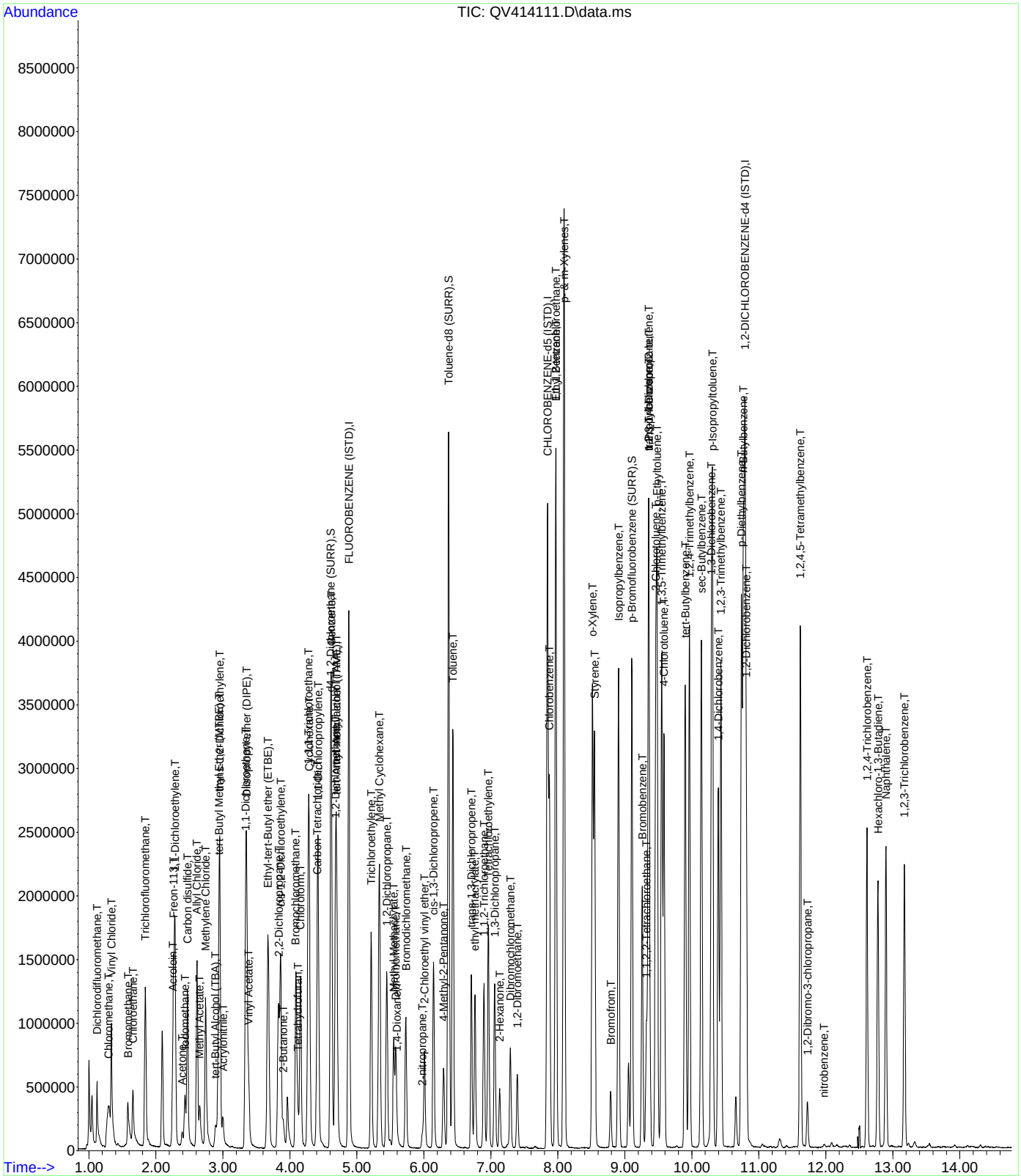
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	446818	49.49	ppb	#	88
55) Toluene	6.432	91	2198103	46.62	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	665800	41.99	ppb		98
57) 1,1,2-Trichloroethane	6.897	97	377164	48.94	ppb		97
58) 1,3-Dichloropropane	7.056	76	700187	45.92	ppb	#	94
59) Tetrachloroethylene	6.961	166	436649	43.05	ppb	#	80
60) 2-Hexanone	7.131	43	314126	49.22	ppb		94
61) Dibromochloromethane	7.292	129	394539	49.24	ppb	#	97
62) 1,2-Dibromoethane	7.392	107	382047	47.93	ppb		100
63) Chlorobenzene	7.874	112	1383166	47.96	ppb		91
64) 1,1,1,2-tetrachloroethane	7.968	131	457433	38.93	ppb	#	54
65) Ethyl Benzene	7.968	91	2648305	45.07	ppb		96
66) p- & m-Xylenes	8.093	91	4212599	89.41	ppb		93
67) o-Xylene	8.516	91	2069609	44.31	ppb		97
68) Styrene	8.550	104	1530170	47.37	ppb	#	100
69) Bromofrom	8.789	173	183392	36.61	ppb		98
71) p-Ethyltoluene	9.479	105	2627207	45.45	ppb	#	97
72) Isopropylbenzene	8.906	105	2470657	41.97	ppb		95
74) 1,1,2,2-Tetrachloroethane	9.320	83	481901	48.13	ppb	#	100
75) Bromobenzene	9.259	77	925893	42.97	ppb		78
76) trans-1,4-Dichloro-2-b...	9.357	75	597964	46.61	ppb	#	62
77) 1,2,3-Trichloropropane	9.357	110	161115	46.77	ppb		98
78) n-Propylbenzene	9.357	91	3198794	41.85	ppb		96
79) 2-Chlorotoluene	9.462	91	2126469	42.27	ppb		98
80) 4-Chlorotoluene	9.582	91	2104349	41.60	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	2219028m	43.61	ppb		
82) tert-Butylbenzene	9.902	119	1863128	43.69	ppb		88
83) 1,2,4-Trimethylbenzene	9.963	105	2213267	42.23	ppb		90
84) sec-Butylbenzene	10.141	105	2975168	46.56	ppb		95
86) 1,3-Dichlorobenzene	10.291	146	1085885	46.12	ppb		92
87) p-Isopropyltoluene	10.308	119	2542857	44.07	ppb		95
88) 1,4-Dichlorobenzene	10.394	146	1062630	46.60	ppb		93
89) 1,2,3-Trimethylbenzene	10.433	105	2228692	48.17	ppb		95
90) nitrobenzene	11.969	77	4199m	36.75	ppb		
91) p-Diethylbenzene	10.739	105	1489114	49.20	ppb		95
92) 1,2-Dichlorobenzene	10.812	146	1039801	48.20	ppb	#	88
93) n-Butylbenzene	10.767	91	2745811m	40.52	ppb		
94) 1,2-Dibromo-3-chloropr...	11.727	75	94651	44.97	ppb	#	77
95) 1,2,4,5-Tetramethylben...	11.619	119	2252038	44.50	ppb		92
96) 1,2,4-Trichlorobenzene	12.615	180	638896	45.21	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	357252	42.41	ppb		81
98) Naphthalene	12.898	128	1745796	51.15	ppb		99
99) 1,2,3-Trichlorobenzene	13.171	180	612832	50.14	ppb		82

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\090920\
Data File : QV414111.D
Acq On : 9 Sep 2020 11:18 am
Operator : TMP
Sample : BI00455-BSD1
Misc : QBQV4090920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 14:29:52 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



LCS RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913751.D
Acq On : 11 Sep 2020 10:46 am
Operator : TMP
Sample : BI00638-BS1
Misc : QBQV9091120A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 16:51:13 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	162692	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	553401	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.785	152	146335	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	145238	9.99	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 99.90%				
51) Toluene-d8 (SURR)	7.292	98	807693	10.34	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 103.40%				
70) p-Bromofluorobenzene (...	10.082	95	259936	10.06	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 100.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	183071	12.91	ppb	#	1
3) Chloromethane	1.725	50	185567	9.50	ppb		94
4) Vinyl Chloride	1.832	62	173503	10.22	ppb	#	98
5) Bromomethane	2.149	94	32166	3.61	ppb		98
6) Chloroethane	2.259	64	120648	12.19	ppb	#	25
7) Trichlorofluoromethane	2.512	101	283146	12.09	ppb	#	20
9) Freon-113	3.021	101	152352	11.13	ppb	#	1
10) 1,1-Dichloroethylene	3.009	61	275745	10.62	ppb	#	82
11) Acrolein	2.887	56	3446	5.03	ppb	#	1
12) Acetone	3.006	43	12577	8.48	ppb	#	1
13) Iodomethane	3.146	142	70949	4.10	ppb	#	72
14) Methyl Acetate	3.320	43	31170	9.12	ppb	#	1
15) Carbon disulfide	3.236	76	386377	10.57	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.523	59	18400	34.24	ppb	#	1
17) Methylene Chloride	3.459	49	179359	9.26	ppb		89
18) Acrylonitrile	3.634	53	17329	8.21	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	255050	10.42	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.727	73	201530	9.23	ppb	#	94
21) 1,1-Dichloroethane	4.131	63	314124	9.85	ppb	#	99
22) Vinyl Acetate	4.119	43	79137	8.45	ppb	#	1
23) Diisopropyl ether (DIPE)	4.180	45	402201	8.58	ppb	#	40
24) Ethyl-tert-Butyl ether...	4.514	59	375806	9.60	ppb	#	96
25) cis-1,2-Dichloroethylene	4.660	61	286304	10.31	ppb	#	88
26) 2-Butanone	4.610	72	4009	8.65	ppb	#	1
27) 2,2-Dichloropropane	4.674	77	286389	13.28	ppb	#	87
28) Tetrahydrofuran	4.904	42	11024	8.13	ppb	#	56
29) Bromochloromethane	4.875	49	100537	8.98	ppb	#	33
30) Chloroform	4.968	83	280912	10.40	ppb	#	96
31) 1,1,1-Trichloroethane	5.145	97	295428	10.87	ppb	#	26
32) Cyclohexane	5.241	56	362904	11.03	ppb	#	72
33) 1,1-Dichloropropylene	5.296	75	236826	10.51	ppb	#	55
35) Carbon Tetrachloride	5.308	117	253066	11.09	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.438	59	31724	87.35	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	155703	10.15	ppb	#	100
38) Benzene	5.473	78	605864	9.99	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	237856	9.32	ppb	#	1
41) Trichloroethylene	6.104	95	172457	10.87	ppb	#	75
42) Methyl Cyclohexane	6.360	83	304503	11.39	ppb	#	48
43) Methyl Methacrylate	6.363	69	91954	10.29	ppb	#	99
44) Dibromomethane	6.415	93	48734	9.65	ppb	#	88
45) Bromodichloromethane	6.583	83	177369	10.52	ppb	#	96
46) 1,2-Dichloropropane	6.336	63	152587	9.90	ppb	#	94
47) 1,4-Dioxane	6.392	88	7351m	214.11	ppb		
49) cis-1,3-Dichloropropene	7.011	75	199298	10.43	ppb	#	52
50) 4-Methyl-2-Pentanone	7.121	43	39937	8.44	ppb	#	68
52) Toluene	7.359	91	685208	10.62	ppb		99
53) trans-1,3-Dichloropropene	7.569	75	143472	10.04	ppb	#	88

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913751.D
Acq On : 11 Sep 2020 10:46 am
Operator : TMP
Sample : BI00638-BS1
Misc : QBQV9091120A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 16:51:13 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

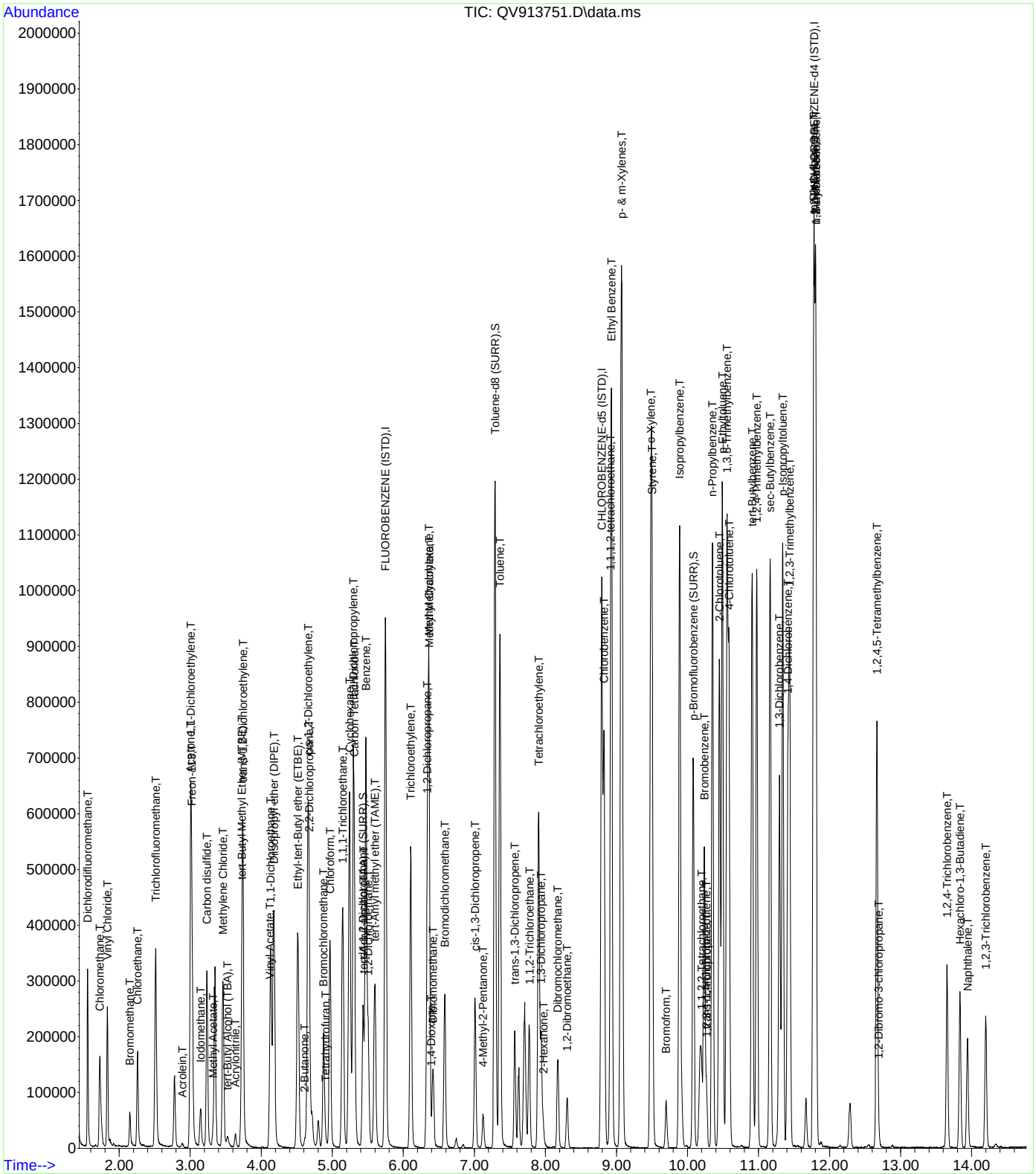
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.775	97	66857	9.61	ppb	#	1
55) 1,3-Dichloropropane	7.938	76	121754	9.74	ppb	#	96
56) Tetrachloroethylene	7.906	166	176734	11.27	ppb	#	100
57) 2-Hexanone	7.970	43	26396	9.00	ppb	#	16
58) Dibromochloromethane	8.173	129	82926	10.20	ppb	#	83
59) 1,2-Dibromoethane	8.307	107	63229	9.91	ppb		91
60) Chlorobenzene	8.824	112	395165	10.59	ppb	#	85
61) 1,1,1,2-tetrachloroethane	8.917	131	131689	10.71	ppb	#	45
62) Ethyl Benzene	8.928	91	817293	11.09	ppb		96
63) p- & m-Xylenes	9.071	91	1297622	22.52	ppb		92
64) o-Xylene	9.484	91	621773	10.83	ppb		96
65) Styrene	9.501	104	416816	10.98	ppb	#	82
66) Bromofrom	9.699	173	37889	9.52	ppb	#	81
68) p-Ethyltoluene	10.492	105	800426	12.78	ppb	#	97
69) Isopropylbenzene	9.890	105	797109	11.03	ppb	#	90
71) 1,1,2,2-Tetrachloroethane	10.198	83	58542	9.72	ppb	#	65
72) Bromobenzene	10.236	77	248012	10.62	ppb	#	76
73) trans-1,4-Dichloro-2-b...	10.265	75	84030m	9.95	ppb		
74) 1,2,3-Trichloropropane	10.268	110	18088	10.29	ppb	#	1
75) n-Propylbenzene	10.350	91	956715	11.31	ppb	#	89
76) 2-Chlorotoluene	10.451	91	544384	10.86	ppb		98
77) 4-Chlorotoluene	10.585	91	609818	10.93	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	652502	11.41	ppb	#	61
79) tert-Butylbenzene	10.910	119	543337	10.02	ppb	#	86
80) 1,2,4-Trimethylbenzene	10.974	105	617252	11.32	ppb		93
81) sec-Butylbenzene	11.163	105	798840	11.75	ppb	#	93
82) 1,3-Dichlorobenzene	11.294	146	276982	10.94	ppb		93
83) p-Isopropyltoluene	11.340	119	656362	11.46	ppb		95
84) 1,4-Dichlorobenzene	11.413	146	257858	10.71	ppb		92
85) 1,2,3-Trimethylbenzene	11.436	105	567173	15.61	ppb	#	90
86) p-Diethylbenzene	11.776	105	371443	12.83	ppb	#	62
87) 1,2-Dichlorobenzene	11.805	146	211230	10.87	ppb	#	100
88) n-Butylbenzene	11.805	91	662960m	11.50	ppb		
89) 1,2-Dibromo-3-chloropr...	12.692	75	12104	9.30	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	430125	10.57	ppb	#	92
91) 1,2,4-Trichlorobenzene	13.654	180	100818	9.97	ppb	#	7
92) Hexachloro-1,3-Butadiene	13.834	225	59395	10.52	ppb	#	62
93) Naphthalene	13.941	128	157462	8.84	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.197	180	75082	9.29	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913751.D
Acq On : 11 Sep 2020 10:46 am
Operator : TMP
Sample : BI00638-BS1
Misc : QBQV9091120A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Sep 11 16:51:13 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913752.D
Acq On : 11 Sep 2020 11:12 am
Operator : TMP
Sample : BI00638-BSD1
Misc : QBQV9091120A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 16:52:13 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	169112	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	580589	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	157056	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	156818	10.37	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 103.70%				
51) Toluene-d8 (SURR)	7.287	98	829685	10.13	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.30%				
70) p-Bromofluorobenzene (...	10.082	95	280654	10.12	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 101.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.556	85	180762	12.26	ppb	#	1
3) Chloromethane	1.730	50	177756	8.75	ppb		93
4) Vinyl Chloride	1.832	62	173178	9.81	ppb	#	100
5) Bromomethane	2.155	94	36268	3.92	ppb		98
6) Chloroethane	2.259	64	116694	11.34	ppb	#	19
7) Trichlorofluoromethane	2.515	101	275092	11.30	ppb	#	20
9) Freon-113	3.024	101	145830	10.24	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	264558	9.80	ppb	#	82
11) Acrolein	2.881	56	3788	5.31	ppb	#	1
12) Acetone	3.009	43	13982	9.06	ppb	#	1
13) Iodomethane	3.149	142	64074	3.56	ppb	#	71
14) Methyl Acetate	3.323	43	34820	9.80	ppb	#	1
15) Carbon disulfide	3.236	76	362891	9.55	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	23669	42.38	ppb	#	1
17) Methylene Chloride	3.462	49	182277	9.05	ppb	#	88
18) Acrylonitrile	3.640	53	18262	8.32	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	245880	9.66	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	229143	10.09	ppb	#	95
21) 1,1-Dichloroethane	4.137	63	308070	9.29	ppb	#	99
22) Vinyl Acetate	4.119	43	86573	8.89	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	427058	8.77	ppb	#	56
24) Ethyl-tert-Butyl ether...	4.514	59	406244	9.98	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	283087	9.80	ppb	#	80
26) 2-Butanone	4.616	72	4797	9.95	ppb	#	1
27) 2,2-Dichloropropane	4.668	77	276629	12.34	ppb	#	89
28) Tetrahydrofuran	4.910	42	12153	8.63	ppb	#	1
29) Bromochloromethane	4.878	49	105625	9.08	ppb	#	58
30) Chloroform	4.965	83	272009	9.69	ppb	#	96
31) 1,1,1-Trichloroethane	5.148	97	287840	10.19	ppb	#	73
32) Cyclohexane	5.244	56	349303	10.22	ppb	#	72
33) 1,1-Dichloropropylene	5.299	75	226835	9.68	ppb	#	55
35) Carbon Tetrachloride	5.308	117	246465	10.39	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.433	59	36682	97.17	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	162861	10.21	ppb	#	100
38) Benzene	5.470	78	590337	9.37	ppb	#	96
39) tert-Amyl methyl ether...	5.601	73	265886	10.02	ppb	#	1
41) Trichloroethylene	6.104	95	166505	10.00	ppb	#	76
42) Methyl Cyclohexane	6.360	83	298428	10.64	ppb	#	46
43) Methyl Methacrylate	6.363	69	96102	10.25	ppb	#	98
44) Dibromomethane	6.418	93	51864	9.79	ppb	#	85
45) Bromodichloromethane	6.583	83	177882	10.05	ppb	#	98
46) 1,2-Dichloropropane	6.333	63	153463	9.49	ppb	#	84
47) 1,4-Dioxane	6.392	88	7902m	219.38	ppb		
49) cis-1,3-Dichloropropene	7.013	75	205002	10.22	ppb	#	75
50) 4-Methyl-2-Pentanone	7.127	43	46364	9.34	ppb	#	93
52) Toluene	7.359	91	669178	9.89	ppb		99
53) trans-1,3-Dichloropropene	7.571	75	152813	10.19	ppb	#	88

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913752.D
Acq On : 11 Sep 2020 11:12 am
Operator : TMP
Sample : BI00638-BSD1
Misc : QBQV9091120A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 16:52:13 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

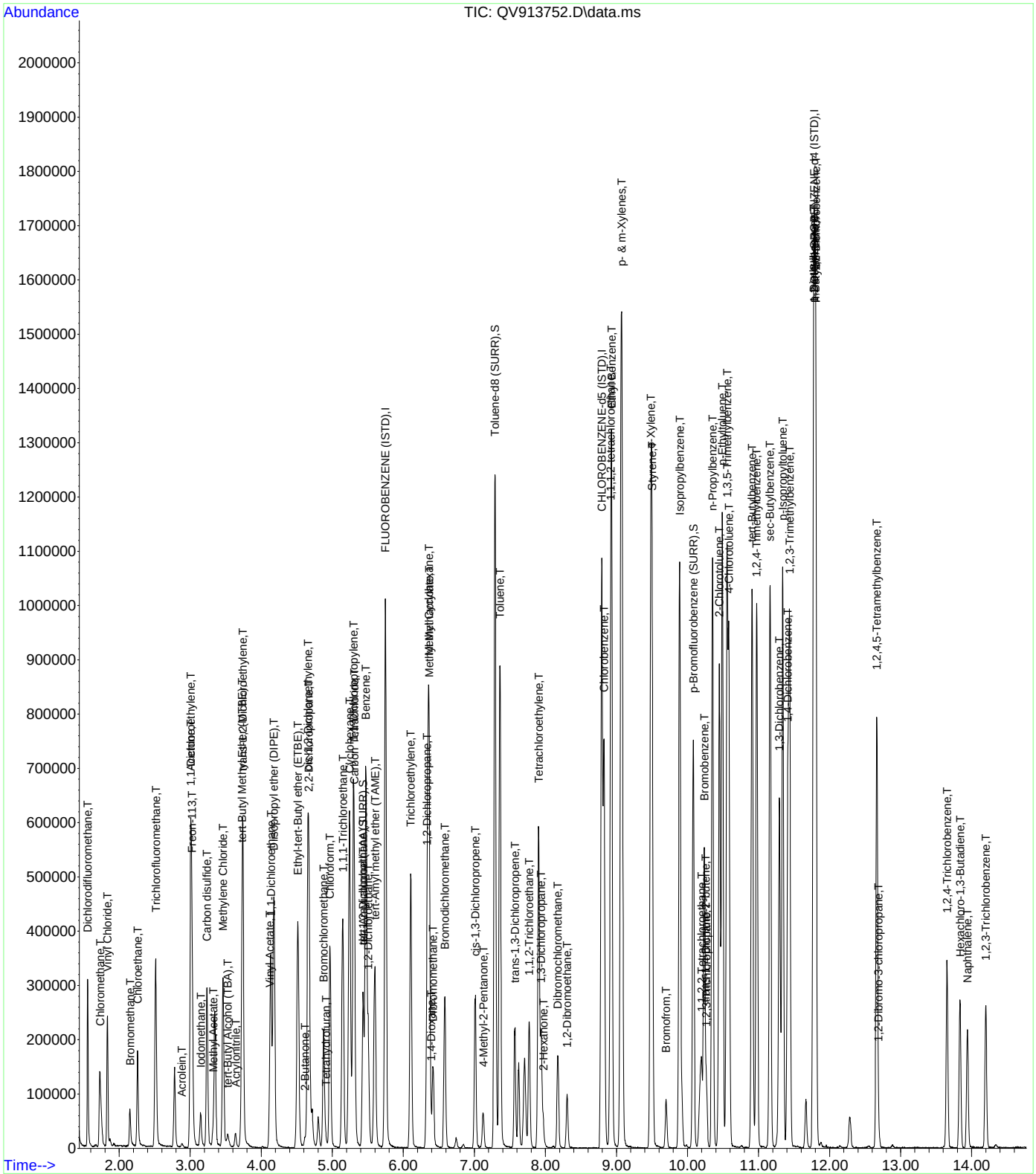
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.769	97	73544	10.07	ppb	#	1
55) 1,3-Dichloropropane	7.935	76	130764	9.97	ppb	#	95
56) Tetrachloroethylene	7.906	166	172501	10.49	ppb	#	100
57) 2-Hexanone	7.970	43	30053	9.77	ppb	#	1
58) Dibromochloromethane	8.173	129	91682	10.75	ppb	#	86
59) 1,2-Dibromoethane	8.304	107	67647	10.11	ppb		93
60) Chlorobenzene	8.824	112	399722	10.21	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.920	131	133606	10.36	ppb	#	42
62) Ethyl Benzene	8.931	91	806105	10.43	ppb		96
63) p- & m-Xylenes	9.071	91	1283298	21.23	ppb		91
64) o-Xylene	9.484	91	627214	10.41	ppb		95
65) Styrene	9.501	104	420035	10.54	ppb	#	82
66) Bromofrom	9.699	173	41056	9.84	ppb	#	81
68) p-Ethyltoluene	10.489	105	760672	11.32	ppb	#	97
69) Isopropylbenzene	9.890	105	775943	10.01	ppb	#	89
71) 1,1,2,2-Tetrachloroethane	10.198	83	66608	10.30	ppb	#	96
72) Bromobenzene	10.236	77	259449	10.36	ppb	#	75
73) trans-1,4-Dichloro-2-b...	10.257	75	94526m	10.43	ppb		
74) 1,2,3-Trichloropropane	10.265	110	20516	10.87	ppb	#	1
75) n-Propylbenzene	10.352	91	936411	10.32	ppb	#	90
76) 2-Chlorotoluene	10.448	91	539900	10.03	ppb		98
77) 4-Chlorotoluene	10.582	91	613147	10.24	ppb		95
78) 1,3,5-Trimethylbenzene	10.559	105	641487	10.45	ppb	#	60
79) tert-Butylbenzene	10.907	119	530084	9.11	ppb	#	85
80) 1,2,4-Trimethylbenzene	10.971	105	617489	10.55	ppb		93
81) sec-Butylbenzene	11.160	105	793232	10.87	ppb	#	93
82) 1,3-Dichlorobenzene	11.291	146	272515	10.03	ppb		94
83) p-Isopropyltoluene	11.340	119	647088	10.53	ppb		95
84) 1,4-Dichlorobenzene	11.410	146	270309	10.46	ppb		92
85) 1,2,3-Trimethylbenzene	11.436	105	585895	15.03	ppb	#	90
86) p-Diethylbenzene	11.776	105	376735	12.13	ppb	#	61
87) 1,2-Dichlorobenzene	11.805	146	221836	10.63	ppb	#	100
88) n-Butylbenzene	11.800	91	649518m	10.50	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	14410	10.32	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	451317	10.34	ppb	#	91
91) 1,2,4-Trichlorobenzene	13.654	180	109283	10.06	ppb	#	7
92) Hexachloro-1,3-Butadiene	13.840	225	63007	10.40	ppb	#	65
93) Naphthalene	13.938	128	180537	9.44	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.197	180	81533	9.40	ppb	#	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120A\
Data File : QV913752.D
Acq On : 11 Sep 2020 11:12 am
Operator : TMP
Sample : BI00638-BSD1
Misc : QBQV9091120A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 16:52:13 2020
Quant Method : C:\msdchem\1\methods\VQ9LO029.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Aug 26 10:44:13 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



LCS RAW DATA

SDG: 20I0216
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414185.D
Acq On : 11 Sep 2020 2:18 pm
Operator : TMP
Sample : BI00641-BS1
Misc : QBQV4091120A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 17:47:56 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.877	70	631051	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2381107	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1187845	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.607	65	777602	39.45	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery =	78.90%			
54) Toluene-d8 (SURR)	6.368	98	3163473	49.60	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery =	99.20%			
73) p-Bromofluorobenzene (...	9.106	95	1219754	44.14	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery =	88.28%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.118	85	515097	65.53	ppb		100
3) Chloromethane	1.291	50	844583m	68.68	ppb		
4) Vinyl Chloride	1.332	62	786545	68.30	ppb		100
5) Bromomethane	1.577	94	191821	39.36	ppb		97
6) Allyl Chloride	2.612	76	281019	56.25	ppb	#	100
7) Chloroethane	1.652	64	293225	45.13	ppb		100
8) Trichlorofluoromethane	1.839	101	828789	40.60	ppb		97
10) Freon-113	2.262	101	561801	56.12	ppb	#	60
11) 1,1-Dichloroethylene	2.281	61	859050	52.72	ppb		96
12) Acrolein	2.248	56	31024	56.79	ppb		96
13) Acetone	2.390	43	130336	36.63	ppb	#	45
14) Iodomethane	2.431	142	578925	68.74	ppb	#	20
15) Methyl Acetate	2.651	43	347374	52.71	ppb		96
16) Carbon disulfide	2.468	76	1610103	63.20	ppb		100
17) tert-Butyl Alcohol (TBA)	2.890	59	219101	285.94	ppb	#	1
18) Methylene Chloride	2.740	49	667885	51.41	ppb		95
19) Acrylonitrile	2.996	53	146324	64.45	ppb		98
20) trans-1,2-Dichloroethy...	2.949	61	753375	52.01	ppb		95
21) tert-Butyl Methyl Ethe...	2.938	73	1243060	51.21	ppb		99
22) 1,1-Dichloroethane	3.336	63	924965	48.72	ppb	#	99
23) Vinyl Acetate	3.383	43	582083	45.55	ppb	#	99
24) Diisopropyl ether (DIPE)	3.352	45	1643649	46.34	ppb	#	88
25) Ethyl-tert-Butyl ether...	3.670	59	1486405	48.67	ppb	#	79
26) cis-1,2-Dichloroethylene	3.861	61	820483	47.91	ppb	#	82
27) 2-Butanone	3.903	72	42540	62.47	ppb	#	58
28) 2,2-Dichloropropane	3.831	77	778806	45.60	ppb		99
29) Tetrahydrofuran	4.115	42	146738	58.14	ppb		82
30) Bromochloromethane	4.084	49	407985	47.68	ppb		88
31) Chloroform	4.156	83	841276	46.38	ppb	#	92
32) 1,1,1-Trichloroethane	4.273	97	744374	43.65	ppb	#	85
33) Cyclohexane	4.284	56	1010028	55.65	ppb		93
34) 1,1-Dichloropropylene	4.418	75	728603	49.11	ppb		79
36) Carbon Tetrachloride	4.407	117	581169	44.86	ppb		100
37) tert-Amyl alcohol (TAA)	4.691	59	451244	689.50	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	574114	40.25	ppb		99
39) Benzene	4.615	78	2102535	56.53	ppb	#	92
40) tert-Amyl methyl ether...	4.693	73	1554347	55.80	ppb	#	89
42) Trichloroethylene	5.211	95	513323	48.50	ppb		87
43) Methyl Cyclohexane	5.333	83	1011639	54.35	ppb	#	83
44) Methyl Methacrylate	5.550	69	296072	56.24	ppb	#	97
45) Dibromomethane	5.578	93	249433	46.29	ppb		93
46) Bromodichloromethane	5.728	83	559441	42.63	ppb		99
47) 1,2-Dichloropropane	5.445	63	492775	47.98	ppb	#	81
48) 1,4-Dioxane	5.598	88	101063	1429.12	ppb		86
49) 2-Chloroethyl vinyl ether	6.007	63	306895	71.69	ppb		98
50) 2-nitropropane	5.979	43	37496	51.02	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	781465	48.21	ppb		97
52) ethyl methacrylate	6.763	69	557999	53.63	ppb	#	100

Data Path : C:\msdchem\1\data\091120\
Data File : QV414185.D
Acq On : 11 Sep 2020 2:18 pm
Operator : TMP
Sample : BI00641-BS1
Misc : QBQV4091120A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 17:47:56 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

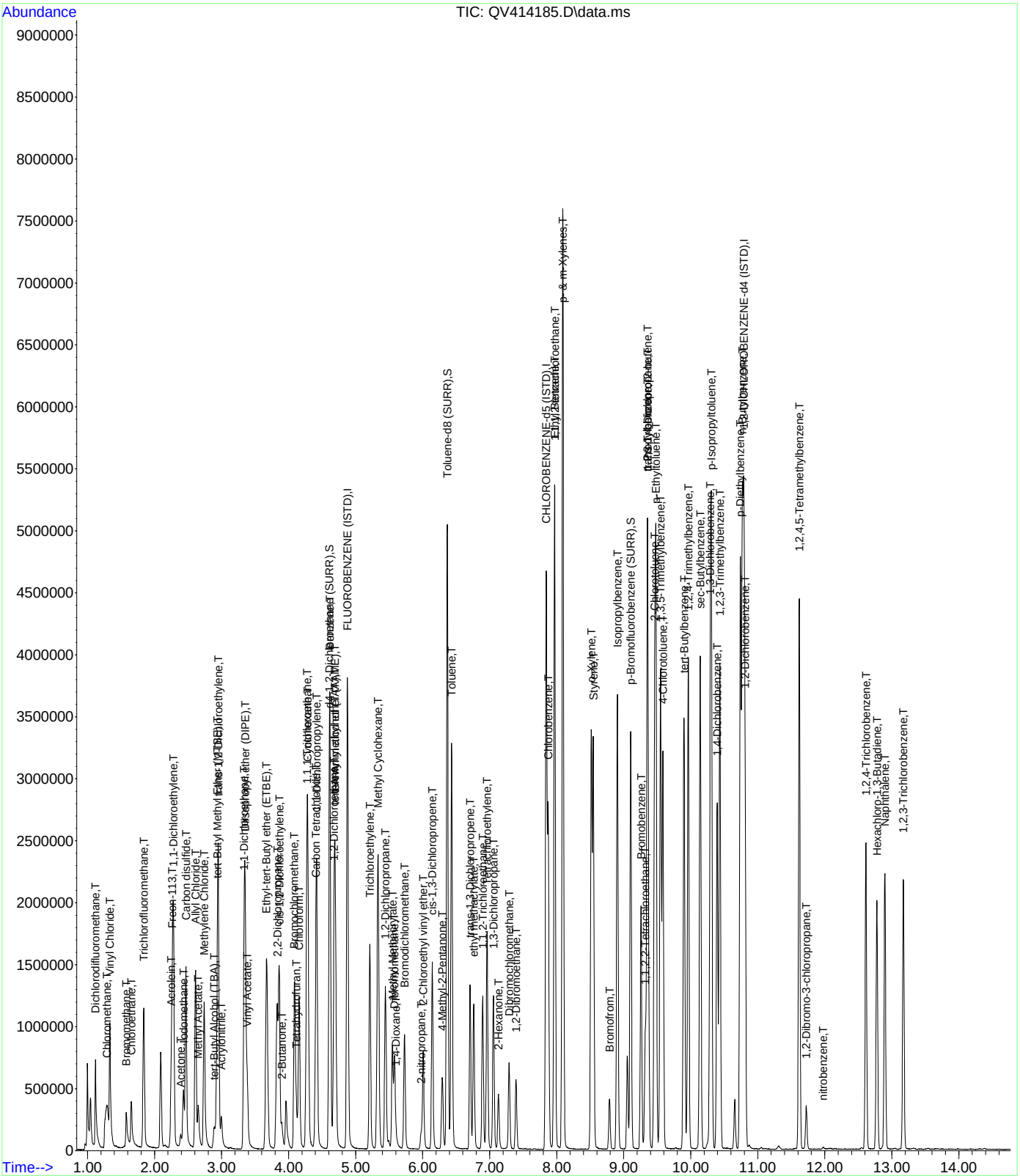
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	419768	50.38	ppb	#	88
55) Toluene	6.432	91	2224143	51.12	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	659618	45.08	ppb		99
57) 1,1,2-Trichloroethane	6.897	97	364251	51.21	ppb		98
58) 1,3-Dichloropropane	7.056	76	673462	47.85	ppb	#	95
59) Tetrachloroethylene	6.961	166	445862	47.63	ppb	#	72
60) 2-Hexanone	7.133	43	294309	49.97	ppb		96
61) Dibromochloromethane	7.292	129	351569	47.54	ppb	#	97
62) 1,2-Dibromoethane	7.392	107	363446	49.41	ppb		100
63) Chlorobenzene	7.873	112	1348034	50.64	ppb		91
64) 1,1,1,2-tetrachloroethane	7.971	131	410069	37.81	ppb	#	56
65) Ethyl Benzene	7.968	91	2614643	48.21	ppb		97
66) p- & m-Xylenes	8.091	91	4166534	95.82	ppb		95
67) o-Xylene	8.516	91	1975610	45.84	ppb		98
68) Styrene	8.547	104	1557362	52.24	ppb	#	100
69) Bromofrom	8.789	173	172768	37.37	ppb	#	81
71) p-Ethyltoluene	9.482	105	2798925	51.33	ppb	#	97
72) Isopropylbenzene	8.906	105	2472194	44.52	ppb		96
74) 1,1,2,2-Tetrachloroethane	9.320	83	496121	52.53	ppb	#	100
75) Bromobenzene	9.259	77	898682	44.22	ppb		77
76) trans-1,4-Dichloro-2-b...	9.356	75	628956	51.97	ppb	#	65
77) 1,2,3-Trichloropropane	9.354	110	147464	45.38	ppb		86
78) n-Propylbenzene	9.356	91	3297954	45.74	ppb		96
79) 2-Chlorotoluene	9.462	91	2100882	44.28	ppb		98
80) 4-Chlorotoluene	9.585	91	2072763	43.44	ppb		82
81) 1,3,5-Trimethylbenzene	9.551	105	2158248m	44.96	ppb		
82) tert-Butylbenzene	9.902	119	1785534	44.39	ppb		90
83) 1,2,4-Trimethylbenzene	9.963	105	2188142	44.26	ppb		91
84) sec-Butylbenzene	10.141	105	2985216	49.53	ppb		96
86) 1,3-Dichlorobenzene	10.291	146	1110266	49.99	ppb		94
87) p-Isopropyltoluene	10.308	119	2580186	47.40	ppb		96
88) 1,4-Dichlorobenzene	10.394	146	1051366	48.87	ppb		94
89) 1,2,3-Trimethylbenzene	10.436	105	2269860	52.01	ppb		97
90) nitrobenzene	11.972	77	4198m	39.06	ppb		
91) p-Diethylbenzene	10.739	105	1626655	56.97	ppb		97
92) 1,2-Dichlorobenzene	10.812	146	1037303	50.97	ppb	#	88
93) n-Butylbenzene	10.770	91	3030231m	47.41	ppb		
94) 1,2-Dibromo-3-chloropr...	11.724	75	89537	45.10	ppb	#	79
95) 1,2,4,5-Tetramethylben...	11.621	119	2379507	49.85	ppb		94
96) 1,2,4-Trichlorobenzene	12.614	180	669355	50.21	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	347322	43.71	ppb		83
98) Naphthalene	12.898	128	1748420	54.30	ppb		98
99) 1,2,3-Trichlorobenzene	13.174	180	595101	51.62	ppb		81

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414185.D
Acq On : 11 Sep 2020 2:18 pm
Operator : TMP
Sample : BI00641-BS1
Misc : QBQV4091120A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Sep 11 17:47:56 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414187.D
Acq On : 11 Sep 2020 3:10 pm
Operator : TMP
Sample : BI00641-BSD1
Misc : QBQV4091120A
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 16:00:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	4.880	70	584663	50.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	7.843	117	2150860	50.00	ppb	#	0.00
70) 1,2-DICHLOROBENZENE-d4...	10.792	152	1063544	50.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	4.610	65	703106	38.50	ppb		0.00
Spiked Amount 50.000	Range 77 - 125		Recovery = 77.00%				
54) Toluene-d8 (SURR)	6.369	98	2884532	50.07	ppb		0.00
Spiked Amount 50.000	Range 85 - 120		Recovery = 100.14%				
73) p-Bromofluorobenzene (...	9.104	95	1099818	44.45	ppb		0.00
Spiked Amount 50.000	Range 76 - 130		Recovery = 88.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.121	85	482521	66.25	ppb		100
3) Chloromethane	1.288	50	808870	70.99	ppb	#	94
4) Vinyl Chloride	1.333	62	768714	72.05	ppb	#	86
5) Bromomethane	1.578	94	195980	43.41	ppb		99
6) Allyl Chloride	2.613	76	281172	60.75	ppb	#	100
7) Chloroethane	1.655	64	280276	46.56	ppb		99
8) Trichlorofluoromethane	1.842	101	827300	43.74	ppb		98
10) Freon-113	2.265	101	559414	60.32	ppb	#	60
11) 1,1-Dichloroethylene	2.284	61	843660	55.88	ppb		97
12) Acrolein	2.248	56	29361	58.01	ppb		93
13) Acetone	2.390	43	133286	40.43	ppb	#	43
14) Iodomethane	2.434	142	543132	69.61	ppb	#	50
15) Methyl Acetate	2.654	43	346216	56.71	ppb		96
16) Carbon disulfide	2.471	76	1589075	67.33	ppb		100
17) tert-Butyl Alcohol (TBA)	2.894	59	234218	329.92	ppb	#	1
18) Methylene Chloride	2.740	49	628682	52.23	ppb		96
19) Acrylonitrile	3.002	53	148048	70.39	ppb		98
20) trans-1,2-Dichloroethy...	2.952	61	737077	54.92	ppb		95
21) tert-Butyl Methyl Ethe...	2.941	73	1146686	50.98	ppb		99
22) 1,1-Dichloroethane	3.339	63	893919	50.82	ppb	#	99
23) Vinyl Acetate	3.383	43	558705	47.19	ppb	#	99
24) Diisopropyl ether (DIPE)	3.353	45	1522878	46.34	ppb	#	95
25) Ethyl-tert-Butyl ether...	3.675	59	1359710	48.05	ppb	#	79
26) cis-1,2-Dichloroethylene	3.862	61	799833	50.41	ppb		94
27) 2-Butanone	3.903	72	43014	68.18	ppb	#	1
28) 2,2-Dichloropropane	3.828	77	758813	47.95	ppb		99
29) Tetrahydrofuran	4.120	42	151240	64.68	ppb		83
30) Bromochloromethane	4.084	49	383750	48.40	ppb		88
31) Chloroform	4.159	83	802862	47.78	ppb		99
32) 1,1,1-Trichloroethane	4.274	97	734716	46.50	ppb	#	85
33) Cyclohexane	4.285	56	1001964	59.59	ppb		93
34) 1,1-Dichloropropylene	4.418	75	728038	52.96	ppb		78
36) Carbon Tetrachloride	4.410	117	572314	47.68	ppb	#	92
37) tert-Amyl alcohol (TAA)	4.688	59	457322	754.23	ppb	#	100
38) 1,2-Dichloroethane	4.677	62	536209	40.58	ppb		100
39) Benzene	4.616	78	2021719	58.67	ppb	#	93
40) tert-Amyl methyl ether...	4.694	73	1434029	55.56	ppb	#	89
42) Trichloroethylene	5.214	95	501545	52.46	ppb		86
43) Methyl Cyclohexane	5.336	83	1002566	59.62	ppb	#	85
44) Methyl Methacrylate	5.551	69	279262	58.73	ppb	#	81
45) Dibromomethane	5.578	93	236640	48.61	ppb		93
46) Bromodichloromethane	5.731	83	525445	44.33	ppb		97
47) 1,2-Dichloropropane	5.445	63	465619	50.19	ppb	#	99
48) 1,4-Dioxane	5.601	88	113344	1774.36	ppb		90
49) 2-Chloroethyl vinyl ether	6.010	63	289895	74.97	ppb		98
50) 2-nitropropane	5.976	43	41066	60.63	ppb	#	100
51) cis-1,3-Dichloropropene	6.143	75	738975	50.47	ppb		97
52) ethyl methacrylate	6.761	69	522833	55.63	ppb	#	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414187.D
Acq On : 11 Sep 2020 3:10 pm
Operator : TMP
Sample : BI00641-BSD1
Misc : QBQV4091120A
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 16:00:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4

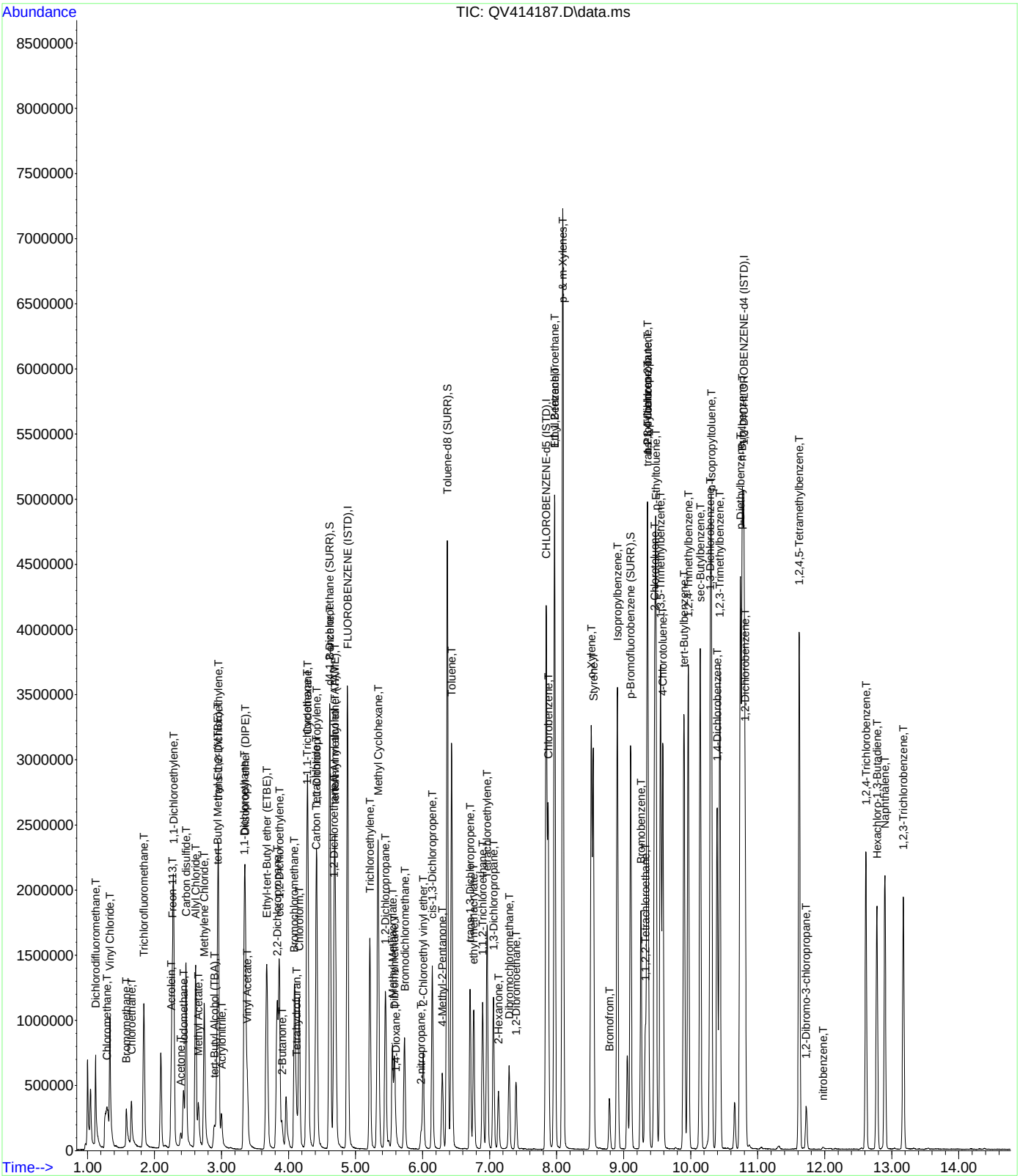
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) 4-Methyl-2-Pentanone	6.293	43	415774	55.25	ppb	#	89
55) Toluene	6.433	91	2122796	54.01	ppb		99
56) trans-1,3-Dichloropropene	6.708	75	620764	46.96	ppb	#	87
57) 1,1,2-Trichloroethane	6.897	97	343710	53.50	ppb		98
58) 1,3-Dichloropropane	7.056	76	628930	49.47	ppb	#	95
59) Tetrachloroethylene	6.961	166	440474	52.09	ppb		95
60) 2-Hexanone	7.131	43	297152	55.86	ppb		95
61) Dibromochloromethane	7.289	129	323207	48.38	ppb	#	96
62) 1,2-Dibromoethane	7.392	107	345175	51.95	ppb		99
63) Chlorobenzene	7.874	112	1288933	53.61	ppb		92
64) 1,1,1,2-tetrachloroethane	7.968	131	381334	38.93	ppb	#	56
65) Ethyl Benzene	7.968	91	2510638	51.25	ppb		97
66) p- & m-Xylenes	8.091	91	4018233	102.30	ppb		95
67) o-Xylene	8.516	91	1879291	48.27	ppb		98
68) Styrene	8.547	104	1452156	53.92	ppb	#	100
69) Bromofrom	8.786	173	162190	38.84	ppb	#	81
71) p-Ethyltoluene	9.482	105	2697889	55.26	ppb	#	97
72) Isopropylbenzene	8.906	105	2387590	48.03	ppb		96
74) 1,1,2,2-Tetrachloroethane	9.323	83	469892	55.57	ppb	#	100
75) Bromobenzene	9.257	77	842383	46.29	ppb		77
76) trans-1,4-Dichloro-2-b...	9.357	75	599831	55.35	ppb	#	65
77) 1,2,3-Trichloropropane	9.354	110	144051	49.51	ppb		89
78) n-Propylbenzene	9.354	91	3156950	48.90	ppb		96
79) 2-Chlorotoluene	9.462	91	2000631	47.09	ppb		98
80) 4-Chlorotoluene	9.582	91	1987236	46.52	ppb		82
81) 1,3,5-Trimethylbenzene	9.549	105	2062020m	47.98	ppb		
82) tert-Butylbenzene	9.899	119	1701632	47.25	ppb		91
83) 1,2,4-Trimethylbenzene	9.963	105	2038601	46.05	ppb		92
84) sec-Butylbenzene	10.141	105	2839408	52.61	ppb		96
86) 1,3-Dichlorobenzene	10.292	146	1038081	52.20	ppb		94
87) p-Isopropyltoluene	10.308	119	2450592	50.28	ppb		96
88) 1,4-Dichlorobenzene	10.394	146	987605	51.27	ppb		93
89) 1,2,3-Trimethylbenzene	10.433	105	2105386	53.88	ppb		97
90) nitrobenzene	11.972	77	5015m	53.05	ppb		
91) p-Diethylbenzene	10.742	105	1539733	60.23	ppb	#	24
92) 1,2-Dichlorobenzene	10.812	146	945235	51.88	ppb	#	88
93) n-Butylbenzene	10.767	91	2862495m	50.02	ppb		
94) 1,2-Dibromo-3-chloropr...	11.722	75	86443	48.63	ppb	#	80
95) 1,2,4,5-Tetramethylben...	11.619	119	2173701	50.86	ppb		94
96) 1,2,4-Trichlorobenzene	12.615	180	621685	52.09	ppb	#	100
97) Hexachloro-1,3-Butadiene	12.779	225	318012	44.70	ppb		82
98) Naphthalene	12.898	128	1635785	56.74	ppb		99
99) 1,2,3-Trichlorobenzene	13.174	180	527958	51.15	ppb		82

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\091120\
Data File : QV414187.D
Acq On : 11 Sep 2020 3:10 pm
Operator : TMP
Sample : BI00641-BSD1
Misc : QBQV4091120A
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Sep 11 16:00:43 2020
Quant Method : C:\msdchem\1\methods\VQ4C0027.M
Quant Title : Volatile Organics EPA 8260C-SOIL
QLast Update : Wed Aug 05 10:53:35 2020
Response via : Initial Calibration
InstName : QVOA4



BENCHSHEETS

SDG: 20I0216

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00428

Preparation Date: 09/08/2020 06:32

York Analytical Laboratories, Inc. **Printed: 3/11/2021 10:16:56PM**

Matrix: Water **Preparation: EPA 5030B** **Surrogate used: Y17H086 1 ul**

Lab Number	Analysis	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
20I0172-01 A	Volatile Organics, IG Target List	25	25				
20I0194-07 A	Volatile Organics, 8260 - Comprehensive	25	25				
20I0209-01 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-02 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-03RE1 C	Volatile Organics, 8260 List - Low Level	25	25				From BI00429 by AS on 09/
20I0209-04 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-05 B	Volatile Organics, 8260 - Comprehensive	25	25				Added for BatchQC in: BI00
20I0209-05 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-05 B	Volatile Organics, IG Target List	25	25				Added for BatchQC in: BI00
20I0209-07 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-08 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-09 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-10 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-11 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-12 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-13 A	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-14 B	Volatile Organics, 8260 List - Low Level	25	25				
20I0209-15 A	Volatile Organics, 8260 List - Low Level	25	25				
20I0216-06 A	Volatile Organics, 8260 - Comprehensive	25	25				
BI00428-BLK1	QC	25	25				
BI00428-BS1	QC	25	25	Y20H308		5	
BI00428-BSD1	QC	25	25	Y20H308		5	
BI00428-MS1	QC	25	25	Y20H308	20I0209-05	5	
BI00428-MSD1	QC	25	25	Y20H308	20I0209-05	5	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y18B221	Antifoam B Silicone Emulsion	0000171560	Y20E173	Q_VOA_40mL HCL Pre-Preser	2515

Preparations Performed by **AS** **Date:** **09/08/2020 06:32**

BENCHSHEETS

SDG: 20I0216

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00456

Preparation Date: 09/08/2020 06:12

York Analytical Laboratories, Inc. **Printed: 3/11/2021 10:19:10PM**

Matrix: Soil **Preparation: EPA 5035A** **Surrogate used: Y17H090 1 ul**

Lab Number	Analysis	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
20I0163-02 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0163-03 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0171-01 B	Volatile Organics, 8260 List	6.22	5				
20I0175-01 B	Volatile Organics, 8260 - Comprehensive	4.54	5				
20I0175-02 B	Volatile Organics, 8260 - Comprehensive	5.21	5				
20I0175-03 B	Volatile Organics, 8260 - Comprehensive	3.88	5				
20I0175-04 B	Volatile Organics, 8260 - Comprehensive	3.94	5				
20I0175-05 B	Volatile Organics, 8260 - Comprehensive	5.65	5				
20I0188-01 B	Volatile Organics, Tentatively Identified Cmpds	5.54	5				
20I0188-01 B	Volatile Organics, 8260 - Comprehensive	5.54	5				
20I0188-02 B	Volatile Organics, 8260 - Comprehensive	3.79	5				
20I0188-02 B	Volatile Organics, Tentatively Identified Cmpds	3.79	5				
20I0216-01 B	Volatile Organics, 8260 - Comprehensive	9.01	5				
20I0216-03 B	Volatile Organics, 8260 - Comprehensive	10.34	5				
20I0216-04 B	Volatile Organics, 8260 - Comprehensive	7.93	5				
BI00456-BLK1	QC	5	5				
BI00456-BS1	QC	5	5	Y20H309		5	
BI00456-BSD1	QC	5	5	Y20H309		5	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y17B088	VOA - Ottawa Sand Mix	051215	Y20E174	Q_VOA_Methanol - P&T Grade	JA095425

Preparations Performed by **TMP** **Date:** **09/08/2020 06:12**

BENCHSHEETS

SDG: 20I0216

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00602

Preparation Date: 09/08/2020 06:12

York Analytical Laboratories, Inc. **Printed: 3/11/2021 10:20:17PM**

Matrix: Soil **Preparation: EPA 5035A** **Surrogate used: Y17H090 1 ul**

Lab Number	Analysis	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
20I0216-01RE1 B	Volatile Organics, 8260 - Comprehensive	9.01	5				From BI00456 by TMP on 0
20I0241-03 D	Volatile Organics, 8260 - Comprehensive	3.25	5				
20I0241-03 D	Volatile Organics, Ethanol	3.25	5				
20I0241-04 D	Volatile Organics, 8260 - Comprehensive	3.92	5				
20I0241-04 D	Volatile Organics, Ethanol	3.92	5				
20I0301-01 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0302-01 A	Volatile Organics, 8260 - Comprehensive	5	5				
20I0306-01 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0306-02 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0306-03 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0306-04 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0307-01 A	Volatile Organics, CP-51 (formerly STARS) Lis	5	5				
20I0318-01 A	Volatile Organics, Suffolk Co. App.A DHS List	5	5				
20I0318-02 A	Volatile Organics, Suffolk Co. App.A DHS List	5	5				
BI00602-BLK1	QC	5	5				
BI00602-BLK2	QC	5	5				
BI00602-BS1	QC	5	5	Y20H309		5	
BI00602-BSD1	QC	5	5	Y20H309		5	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y17B088	VOA - Ottawa Sand Mix	051215	Y20E174	Q_VOA_Methanol - P&T Grade	JA095425

Preparations Performed by TMP **Date:** 09/10/2020 06:37

BENCHSHEETS

SDG: 20I0216

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00637

Preparation Date: 09/09/2020 06:42

York Analytical Laboratories, Inc. **Printed: 3/11/2021 10:21:18PM**

Matrix: Soil **Preparation: EPA 5035A** **Surrogate used: Y17H090 1 ul**

Lab Number	Analysis	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
20I0168-01 C	Volatile Organics, 8260 - Comprehensive	5.8	5				
20I0216-02 C	Volatile Organics, 8260 - Comprehensive	9.12	5				
20I0241-01 B	Volatile Organics, 8260 - Comprehensive	6.35	5				
20I0241-01 B	Volatile Organics, Ethanol	6.35	5				
20I0241-02 B	Volatile Organics, 8260 - Comprehensive	7.01	5				
20I0241-02 B	Volatile Organics, Ethanol	7.01	5				
20I0241-05 B	Volatile Organics, 8260 - Comprehensive	7.28	5				
20I0241-05 B	Volatile Organics, Ethanol	7.28	5				
20I0242-01 C	Volatile Organics, CP-51 (formerly STARS) Lis	7.46	5				
20I0242-02 C	Volatile Organics, CP-51 (formerly STARS) Lis	10	5				
20I0242-03 D	Volatile Organics, CP-51 (formerly STARS) Lis	8	5				
20I0242-04 D	Volatile Organics, CP-51 (formerly STARS) Lis	12.16	5				
20I0242-05 D	Volatile Organics, CP-51 (formerly STARS) Lis	10.65	5				
20I0248-01 B	VOA, 8260 MASTER	4.87	5				
20I0248-01 B	Volatile Organics, NYSDEC Part 375 List	4.87	5				
20I0248-02 B	VOA, 8260 MASTER	5.09	5				
20I0248-02 B	Volatile Organics, NYSDEC Part 375 List	5.09	5				
20I0255-01 C	Volatile Organics, CP-51 (formerly STARS) Lis	5.89	5				
20I0255-02 C	Volatile Organics, CP-51 (formerly STARS) Lis	5.91	5				
20I0255-03 C	Volatile Organics, CP-51 (formerly STARS) Lis	5.6	5				
BI00637-BLK1	QC	5	5				
BI00637-BS1	QC	5	5	Y20H309		5	
BI00637-BSD1	QC	5	5	Y20H309		5	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y17B088	VOA - Ottawa Sand Mix	051215	Y20E174	Q_VOA_Methanol - P&T Grade	JA095425

Preparations Performed by **TMP** **Date:** **09/09/2020 06:42**

BENCHSHEETS

SDG: 20I0216

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00638

Preparation Date: 09/04/2020 06:40

York Analytical Laboratories, Inc. **Printed: 3/11/2021 10:21:52PM**

Matrix: Water **Preparation: EPA 5030B** **Surrogate used: Y17H086 1 ul**

Lab Number	Analysis	Initial (mL)	Final (mL)	Spike ID	Source ID	ul Spike	Comments
20I0180-05RE1 B	Volatile Organics, CP-51 (STARS) Low level	25	25				From BI00429 by TMP on 0
20I0216-05 C	Volatile Organics, 8260 - Comprehensive	25	25				
20I0305-17 B	Volatile Organics, NJDEP/TCL/Part 375 List	25	25				
20I0305-19 B	Volatile Organics, NJDEP/TCL/Part 375 List	25	25				
20I0305-21RE1 A	Volatile Organics, NJDEP/TCL/Part 375 List	25	25				From BI00604 by TMP on 0
20I0305-37 A	Volatile Organics, NJDEP/TCL/Part 375 List	25	25				
20I0305-41 A	Volatile Organics, NJDEP/TCL/Part 375 List	25	25				
20I0305-43 A	Volatile Organics, NJDEP/TCL/Part 375 List	25	25				
20I0305-46 A	Volatile Organics, NJDEP/TCL/Part 375 List	25	25				
20I0362-01 B	Volatile Organics, CP-51 (STARS) Low level	25	25				
20I0362-02 B	Volatile Organics, CP-51 (STARS) Low level	25	25				
20I0371-01 B	Volatile Organics, 8260 - Comprehensive	25	25				
BI00638-BLK1	QC	25	25				
BI00638-BS1	QC	25	25	Y20H308		5	
BI00638-BSD1	QC	25	25	Y20H308		5	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y18B221	Antifoam B Silicone Emulsion	0000171560	Y20E173	Q_VOA_40mL HCL Pre-Preser	2515

Preparations Performed by **TMP** **Date:** **09/11/2020 06:56**

BENCHSHEETS

SDG: 20I0216

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00641

Preparation Date: 09/08/2020 06:12

York Analytical Laboratories, Inc. **Printed: 3/11/2021 10:22:35PM**

Matrix: Soil **Preparation: EPA 5035A** **Surrogate used: Y17H090 1 ul**

Lab Number	Analysis	Initial (g)	Final (ml)	Spike ID	Source ID	ul Spike	Comments
20I0216-04RE1 B	Volatile Organics, 8260 - Comprehensive	7.93	5				From BI00456 by TMP on 0
20I0305-26 D	Volatile Organics, NJDEP/TCL/Part 375 List	5.82	5				
20I0305-28RE1 B	Volatile Organics, NJDEP/TCL/Part 375 List	6.45	5				From BI00601 by AS on 09/
20I0305-32RE1 B	Volatile Organics, NJDEP/TCL/Part 375 List	5.93	5				From BI00601 by AS on 09/
20I0305-38 D	Volatile Organics, NJDEP/TCL/Part 375 List	8.09	5				
20I0305-42RE1 B	Volatile Organics, NJDEP/TCL/Part 375 List	6.99	5				From BI00601 by AS on 09/
20I0305-44 D	Volatile Organics, NJDEP/TCL/Part 375 List	7.34	5				
20I0305-47 D	Volatile Organics, NJDEP/TCL/Part 375 List	5	5				
20I0305-50 D	Volatile Organics, NJDEP/TCL/Part 375 List	5.64	5				
20I0305-52 B	Volatile Organics, NJDEP/TCL/Part 375 List	6.2	5				From BI00601 by AS on 09/
20I0305-56 D	Volatile Organics, NJDEP/TCL/Part 375 List	8.49	5				
20I0305-58RE1 B	Volatile Organics, NJDEP/TCL/Part 375 List	6.07	5				From BI00601 by AS on 09/
20I0305-62 D	Volatile Organics, NJDEP/TCL/Part 375 List	7.33	5				
20I0305-64 B	Volatile Organics, NJDEP/TCL/Part 375 List	7.68	5				From BI00601 by AS on 09/
20I0305-67 B	Volatile Organics, NJDEP/TCL/Part 375 List	8.14	5				From BI00601 by AS on 09/
20I0305-69 D	Volatile Organics, NJDEP/TCL/Part 375 List	5.38	5				
BI00641-BLK1	QC	5	5				
BI00641-BLK2	QC	5	5				
BI00641-BS1	QC	5	5	Y20H309		5	
BI00641-BSD1	QC	5	5	Y20H309		5	

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y17B088	VOA - Ottawa Sand Mix	051215	Y20E174	Q_VOA_Methanol - P&T Grad	JA095425

Preparations Performed by **TMP** **Date:** **09/11/2020 06:53**

York Analytical Laboratories, Inc.
SDG: 20I0216
CLASS: WET
METHOD: SM 2540G

DATA PACKAGE COVER PAGE

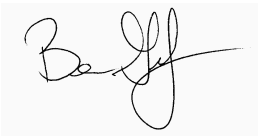
SM 2540G

Laboratory: York Analytical Laboratories, Inc.
SDG: 20I0216

Client: Walden Associates
Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Client Sample Id:	Lab Sample Id:
GB-17 (4-5)	20I0216-01
GB-19 (2-4)	20I0216-02
GB-20 (4-6)	20I0216-03
GB-18 (2-4)	20I0216-04

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the project narrative. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by

Signature: 

Name: Benjamin Gulizia

Date: 3/10/2021

Title: Laboratory Director

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-17 (4-5)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-01 File ID:

Sampled: 09/03/20 13:25 Prepared: 09/04/20 07:59 Analyzed: 09/04/20 13:49

Solids: 98.40 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00260 Sequence: Calibration: 09/04/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	98.4	1		SM 2540G

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-19 (2-4)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-02 File ID:

Sampled: 09/03/20 13:30 Prepared: 09/04/20 07:59 Analyzed: 09/04/20 13:49

Solids: 99.43 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00260 Sequence: Calibration: 09/04/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	99.4	1		SM 2540G

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-20 (4-6)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-03 File ID:

Sampled: 09/03/20 13:35 Prepared: 09/04/20 07:59 Analyzed: 09/04/20 13:49

Solids: 97.04 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00260 Sequence: Calibration: 09/04/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	97.0	1		SM 2540G

FORM I **INORGANIC ANALYSIS DATA SHEET**

SM 2540G

GB-18 (2-4)

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Matrix: Soil Laboratory ID: 20I0216-04 File ID:

Sampled: 09/03/20 14:10 Prepared: 09/04/20 07:59 Analyzed: 09/04/20 13:49

Solids: 96.26 Preparation: % Solids Prep Initial/Final: 5 g / 5 g

Batch: BI00260 Sequence: Calibration: 09/04/20 1 Instrument: Inst

CAS NO.	Analyte	Concentration (%)	Dilution Factor	Q	Method
solids	% Solids	96.3	1		SM 2540G

FORM IV **PREPARATION BATCH SUMMARY**

SM 2540G

Laboratory: York Analytical Laboratories, Inc. SDG: 20I0216

Client: Walden Associates Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Batch: BI00260 Batch Matrix: Soil Preparation: % Solids Prep

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
GB-17 (4-5)	20I0216-01		09/04/20 07:59	
GB-19 (2-4)	20I0216-02		09/04/20 07:59	
GB-20 (4-6)	20I0216-03		09/04/20 07:59	
GB-18 (2-4)	20I0216-04		09/04/20 07:59	

BENCHSHEETS

SDG: 20I0216

CLASS: WET

METHOD: SM 2540G

PREPARATION BENCH SHEET-SOILS/SOLIDS: BI00260

Preparation Date: 09/04/2020 07:59

York Analytical Laboratories, Inc. **Printed: 3/13/2021 5:23:29PM**

Matrix: Soil **Preparation: % Solids Prep** **(No Surrogate)** **ul**

Lab Number	Analysis	Initial (g)	Final (g)	Spike ID	Source ID	ul Spike	Comments
20I0163-01 B	Total Solids	5	5				
20I0163-02 B	Total Solids	5	5				
20I0163-03 B	Total Solids	5	5				
20I0163-04 B	Total Solids	5	5				
20I0167-01 B	Total Solids	5	5				
20I0168-01 E	Total Solids	5	5				
20I0175-01 A	Total Solids	5	5				
20I0175-02 A	Total Solids	5	5				
20I0175-03 A	Total Solids	5	5				
20I0175-04 A	Total Solids	5	5				
20I0175-05 A	Total Solids	5	5				
20I0186-01 A	Total Solids	5	5				
20I0188-01 E	Total Solids	5	5				
20I0188-02 E	Total Solids	5	5				
20I0216-01 A	Total Solids	5	5				
20I0216-02 A	Total Solids	5	5				
20I0216-03 A	Total Solids	5	5				
20I0216-04 A	Total Solids	5	5				
BI00260-DUP1	QC	5	5		20I0188-02		

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number

Preparations Performed by **WJM** **Date:** **09/04/2020 07:59**

YORK
ANALYTICAL LABORATORIES, INC.

TOTAL SOLIDS ELECTRONIC LOG

Sample No.	Analyte	Analysis Date	Analyst	Batch ID	Init. Result	Final Result	Units	Prep. Units
20I0188-02	% Solids	9/4/2020 1:49:15PM	SK	BI00260	87.98	88.0	%	g
20I0188-02	Final Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.94	1.94	%	g
20I0188-02	Initial Wt.	9/4/2020 1:49:15PM	SK	BI00260	2.03	2.03	%	g
20I0188-02	Tare Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.27	1.27	%	g
20I0216-01	% Solids	9/4/2020 1:49:15PM	SK	BI00260	98.40	98.4	%	g
20I0216-01	Final Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.45	1.45	%	g
20I0216-01	Initial Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.45	1.45	%	g
20I0216-01	Tare Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.28	1.28	%	g
20I0216-02	% Solids	9/4/2020 1:49:15PM	SK	BI00260	99.43	99.4	%	g
20I0216-02	Final Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.58	1.58	%	g
20I0216-02	Initial Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.58	1.58	%	g
20I0216-02	Tare Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.28	1.28	%	g
20I0216-03	% Solids	9/4/2020 1:49:15PM	SK	BI00260	97.04	97.0	%	g
20I0216-03	Final Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.45	1.45	%	g
20I0216-03	Initial Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.45	1.45	%	g
20I0216-03	Tare Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.28	1.28	%	g
20I0216-04	% Solids	9/4/2020 1:49:15PM	SK	BI00260	96.26	96.3	%	g
20I0216-04	Final Wt.	9/4/2020 1:49:15PM	SK	BI00260	2.08	2.08	%	g
20I0216-04	Initial Wt.	9/4/2020 1:49:15PM	SK	BI00260	2.12	2.12	%	g
20I0216-04	Tare Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.28	1.28	%	g
BI00260-DUP1	% Solids	9/4/2020 1:49:15PM	SK	BI00260	89.73	89.7	%	g
BI00260-DUP1	Final Wt.	9/4/2020 1:49:15PM	SK	BI00260	2.20	2.20	%	g
BI00260-DUP1	Initial Wt.	9/4/2020 1:49:15PM	SK	BI00260	2.31	2.31	%	g
BI00260-DUP1	Tare Wt.	9/4/2020 1:49:15PM	SK	BI00260	1.28	1.28	%	g

Note: Units for Tare, Initial and Final Wts. are in grams

HOLDING TIME SUMMARY

SM 2540G

Laboratory: York Analytical Laboratories, Inc.

SDG: 20I0216

Client: Walden Associates

Project: IMPLO115.6-218 Lakeview Road, New Hyde Park

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
GB-17 (4-5)	09/03/20 13:25	09/03/20 18:08	09/04/20 07:59	0.77	28.00	09/04/20 13:49	1.02	28.00	
GB-19 (2-4)	09/03/20 13:30	09/03/20 18:08	09/04/20 07:59	0.77	28.00	09/04/20 13:49	1.01	28.00	
GB-20 (4-6)	09/03/20 13:35	09/03/20 18:08	09/04/20 07:59	0.77	28.00	09/04/20 13:49	1.01	28.00	
GB-18 (2-4)	09/03/20 14:10	09/03/20 18:08	09/04/20 07:59	0.74	28.00	09/04/20 13:49	0.99	28.00	

METHOD DETECTION AND REPORTING LIMITS

SM 2540G

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20I0216

Client: Walden Associates **Project:** IMPLO115.6-218 Lakeview Road, New Hy

Matrix: Soil **Instrument:**

Analyte	LOD	LOQ	Units
% Solids	0.100	0.100	%

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Technical Report

prepared for:

Walden Associates
16 Spring Street
Oyster Bay NY, 11771
Attention: Nora Brew

Report Date: 03/10/2021
Client Project ID: IMPL0115.6 218 Lakeville
York Project (SDG) No.: 20L0374

Report Date: 03/10/2021
Client Project ID: IMPL0115.6 218 Lakeville
York Project (SDG) No.: 20L0374

Walden Associates
16 Spring Street
Oyster Bay NY, 11771
Attention: Nora Brew

Purpose and Results

This report contains the analytical data for the sample(s) identified on the attached chain-of-custody received in our laboratory on December 07, 2020 and listed below. The project was identified as your project: **IMPL0115.6 218 Lakeville**.

The analyses were conducted utilizing appropriate EPA, Standard Methods, and ASTM methods as detailed in the data summary tables.

All samples were received in proper condition meeting the customary acceptance requirements for environmental samples except those indicated under the Sample and Analysis Qualifiers section of this report.

All analyses met the method and laboratory standard operating procedure requirements except as indicated by any data flags, the meaning of which are explained in the Sample and Data Qualifiers Relating to This Work Order section of this report and case narrative if applicable.

The results of the analyses, which are all reported on dry weight basis (soils) unless otherwise noted, are detailed in the following pages.

Please contact Client Services at 203.325.1371 with any questions regarding this report.

York Sample ID	Client Sample ID	Matrix	Date Collected	Date Received
20L0374-01	PW-1-L	Water	12/02/2020	12/07/2020
20L0374-02	PW-1-U	Water	12/02/2020	12/07/2020
20L0374-03	PW-2-L	Water	12/02/2020	12/07/2020
20L0374-04	PW-2-U	Water	12/02/2020	12/07/2020
20L0374-05	PW-3-L	Water	12/02/2020	12/07/2020
20L0374-06	PW-3-U	Water	12/02/2020	12/07/2020
20L0374-07	PW-4-L	Water	12/02/2020	12/07/2020
20L0374-08	PW-4-U	Water	12/02/2020	12/07/2020

General Notes for York Project (SDG) No.: 20L0374

1. The RLs and MDLs (Reporting Limit and Method Detection Limit respectively) reported are adjusted for any dilution necessary due to the levels of target and/or non-target analytes and matrix interference. The RL(REPORTING LIMIT) is based upon the lowest standard utilized for the calibration where applicable.
2. Samples are retained for a period of thirty days after submittal of report, unless other arrangements are made.
3. York's liability for the above data is limited to the dollar value paid to York for the referenced project.
4. This report shall not be reproduced without the written approval of York Analytical Laboratories, Inc.
5. All analyses conducted met method or Laboratory SOP requirements. See the Sample and Data Qualifiers Section for further information.
6. It is noted that no analyses reported herein were subcontracted to another laboratory, unless noted in the report.
7. This report reflects results that relate only to the samples submitted on the attached chain-of-custody form(s) received by York.
8. Analyses conducted at York Analytical Laboratories, Inc. Stratford, CT are indicated by NY Cert. No. 10854; those conducted at York Analytical Laboratories, Inc., Richmond Hill, NY are indicated by NY Cert. No. 12058.

Approved By: 

Date: 03/10/2021

Benjamin Gulizia
Laboratory Director

Sample Information

Client Sample ID: PW-1-L

York Sample ID: 20L0374-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 10:45 am	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	**1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)**	**0.39**	J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	**2-Butanone**	**1.3**	B	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-1-L

York Sample ID: 20L0374-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 10:45 am	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	**cis-1,2-Dichloroethylene**	**1.0**		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-1-L

York Sample ID: 20L0374-01

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 10:45 am	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**0.38**	QL-02, J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	**Trichloroethylene**	**0.69**		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:11	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.7 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Sample Information

Client Sample ID: PW-1-U

York Sample ID: 20L0374-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 11:20 am	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	**2-Butanone**	**1.2**	B	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-1-U

York Sample ID: 20L0374-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 11:20 am	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	**cis-1,2-Dichloroethylene**	**0.57**		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-1-U

York Sample ID: 20L0374-02

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 11:20 am	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**1.3**	QL-02	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	**Trichloroethylene**	**0.36**	J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/09/2020 06:47	12/09/2020 18:37	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.1 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.3 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*104 %*	*79-122*

Sample Information

Client Sample ID: PW-2-L

York Sample ID: 20L0374-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 12:15 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	**2-Butanone**	**1.0**	B	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-2-L

York Sample ID: 20L0374-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 12:15 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	**Chloroform**	**0.23**	J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	**cis-1,2-Dichloroethylene**	**0.57**		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-2-L

York Sample ID: 20L0374-03

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 12:15 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**2.6**	QL-02	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	**Trichloroethylene**	**0.37**	J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:04	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*96.0 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*95.1 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Sample Information

Client Sample ID: PW-2-U

York Sample ID: 20L0374-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 12:40 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	**2-Butanone**	**1.1**	B	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-2-U

York Sample ID: 20L0374-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 12:40 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	**Chloroform**	**0.27**	J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	**cis-1,2-Dichloroethylene**	**0.35**	J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-2-U

York Sample ID: 20L0374-04

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 12:40 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:30	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.5 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Sample Information

Client Sample ID: PW-3-L

York Sample ID: 20L0374-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:10 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	**2-Butanone**	**1.2**	B	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-3-L

York Sample ID: 20L0374-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:10 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	**Chloroform**	**1.1**		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	**cis-1,2-Dichloroethylene**	**0.32**	J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-3-L

York Sample ID: 20L0374-05

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:10 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes:

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**2.3**	QL-02	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	**Trichloroethylene**	**0.30**	J	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/09/2020 06:47	12/09/2020 19:56	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*97.2 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*94.9 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*105 %*	*79-122*

Sample Information

Client Sample ID: PW-3-U

York Sample ID: 20L0374-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:30 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-3-U

York Sample ID: 20L0374-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:30 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	**Chloroform**	**1.5**	CCV-E	ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-3-U

York Sample ID: 20L0374-06

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:30 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	**Tetrachloroethylene**	**1.9**		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/09/2020 06:47	12/09/2020 16:01	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*90.2 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*86.0 %*	*79-122*

Sample Information

Client Sample ID: PW-4-L

York Sample ID: 20L0374-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:50 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-4-L

York Sample ID: 20L0374-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:50 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-4-L

York Sample ID: 20L0374-07

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 1:50 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/09/2020 06:47	12/09/2020 14:43	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*90.5 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*87.4 %*	*79-122*

Sample Information

Client Sample ID: PW-4-U

York Sample ID: 20L0374-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 2:15 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
630-20-6	1,1,1,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-55-6	1,1,1-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-34-5	1,1,2,2-Tetrachloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-00-5	1,1,2-Trichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-34-3	1,1-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-35-4	1,1-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-61-6	1,2,3-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-18-4	1,2,3-Trichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
120-82-1	1,2,4-Trichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-63-6	1,2,4-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
96-12-8	1,2-Dibromo-3-chloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-93-4	1,2-Dibromoethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-50-1	1,2-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-06-2	1,2-Dichloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-87-5	1,2-Dichloropropane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-67-8	1,3,5-Trimethylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
541-73-1	1,3-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
106-46-7	1,4-Dichlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
123-91-1	1,4-Dioxane	ND		ug/L	40	40	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
78-93-3	2-Butanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
591-78-6	2-Hexanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-10-1	4-Methyl-2-pentanone	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-64-1	Acetone	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-4-U

York Sample ID: 20L0374-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 2:15 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
107-02-8	Acrolein	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
107-13-1	Acrylonitrile	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
71-43-2	Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-97-5	Bromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-27-4	Bromodichloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-25-2	Bromoform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-83-9	Bromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-15-0	Carbon disulfide	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
56-23-5	Carbon tetrachloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-90-7	Chlorobenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-00-3	Chloroethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
67-66-3	Chloroform	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-87-3	Chloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-59-2	cis-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-01-5	cis-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-82-7	Cyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
124-48-1	Dibromochloromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
74-95-3	Dibromomethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-71-8	Dichlorodifluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-41-4	Ethyl Benzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
87-68-3	Hexachlorobutadiene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-82-8	Isopropylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
79-20-9	Methyl acetate	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1634-04-4	Methyl tert-butyl ether (MTBE)	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			

Sample Information

Client Sample ID: PW-4-U

York Sample ID: 20L0374-08

York Project (SDG) No.	Client Project ID	Matrix	Collection Date/Time	Date Received
20L0374	IMPL0115.6 218 Lakeville	Water	December 2, 2020 2:15 pm	12/07/2020

Volatile Organics, 8260 - Comprehensive

Log-in Notes:

Sample Notes: VOA-PH

Sample Prepared by Method: EPA 5030B

CAS No.	Parameter	Result	Flag	Units	Reported to LOD/MDL	LOQ	Dilution	Reference Method	Date/Time Prepared	Date/Time Analyzed	Analyst
108-87-2	Methylcyclohexane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-09-2	Methylene chloride	ND		ug/L	1.0	2.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
104-51-8	n-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
103-65-1	n-Propylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
95-47-6	o-Xylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
179601-23-1	p- & m- Xylenes	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,PADEP			
99-87-6	p-Isopropyltoluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
135-98-8	sec-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
100-42-5	Styrene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-65-0	tert-Butyl alcohol (TBA)	ND		ug/L	0.50	1.0	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
98-06-6	tert-Butylbenzene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
127-18-4	Tetrachloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
108-88-3	Toluene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
156-60-5	trans-1,2-Dichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
10061-02-6	trans-1,3-Dichloropropylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
110-57-6	trans-1,4-dichloro-2-butene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			
79-01-6	Trichloroethylene	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-69-4	Trichlorofluoromethane	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
75-01-4	Vinyl Chloride	ND		ug/L	0.20	0.50	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP,PADEP			
1330-20-7	Xylenes, Total	ND		ug/L	0.60	1.5	1	EPA 8260C	12/09/2020 06:47	12/09/2020 15:09	TMP
							Certifications:	CTDOH,NELAC-NY10854,NELAC-NY12058,NJDEP			

	Surrogate Recoveries	Result	Acceptance Range
17060-07-0	*Surrogate: SURR: 1,2-Dichloroethane-d4*	*110 %*	*69-130*
2037-26-5	*Surrogate: SURR: Toluene-d8*	*90.6 %*	*81-117*
460-00-4	*Surrogate: SURR: p-Bromofluorobenzene*	*89.8 %*	*79-122*

CASE NARRATIVE

York Project/SDG No.: 20L0374
Client: Walden Associates
Client Project ID: IMPL0115.6 218 Lakeville
Prepared for: Nora Brew

Introduction

This Case Narrative applies only to the samples submitted to our laboratory on **12/07/2020 16:50** as detailed on the chain-of-custody form.

The 8 sample(s) were received intact in a custody-sealed cooler(s), unless otherwise noted.
Upon receipt, cooler temperature(s) was determined using a NIST traceable digital infrared thermometer. The cooler temperature was acceptable (≤ 6°C) and documented as:

Cooler	Temp C°
Default Cooler	**1.4**

Chain-of-custody was maintained from receipt through analysis in the laboratory.

Methodology

All preparation and analyses were conducted according to the appropriate EPA methods detailed in the report.

Client Sample Information and Non-Conformances

Laboratory ID	Sample Name	Matrix
20L0374-01	PW-1-L	Water
20L0374-02	PW-1-U	Water
20L0374-03	PW-2-L	Water
20L0374-04	PW-2-U	Water
20L0374-05	PW-3-L	Water
20L0374-06	PW-3-U	Water
20L0374-07	PW-4-L	Water
20L0374-08	PW-4-U	Water

Laboratory ID	Sample Name	Analysis	Analyte	Qualifier	Description
20L0374-06	PW-3-U	Volatile Organics, 8260 - Comprehensive	-	VOA-PH	Insufficient preservative to reduce the sample pH to less than 2. Sample was analyzed within 14 days of sampling, but beyond the 7 days recommended for Volatiles.
20L0374-07	PW-4-L	Volatile Organics, 8260 - Comprehensive	-	VOA-PH	Insufficient preservative to reduce the sample pH to less than 2. Sample was analyzed within 14 days of sampling, but beyond the 7 days recommended for Volatiles.
20L0374-08	PW-4-U	Volatile Organics, 8260 - Comprehensive	-	VOA-PH	Insufficient preservative to reduce the sample pH to less than 2. Sample was analyzed within 14 days of sampling, but beyond the 7 days recommended for Volatiles.

Any additional Client Sample Non-conformances are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

QC Sample Non-Conformances

Any QC sample Non-conformances (SCV, CCV, BS, BSD, SRM, PS, MS, MSD, DUP) are detailed in the proceeding Case Narrative Non-Conformance Summary tables.

No other problems were encountered during analysis.

York Project/SDG no.: 20L0374 Statement

We certify that these data are in compliance with SOP requirements both technically and for completeness for other than the conditions stated above. Release of the data contained in the hard copy report and any electronic data deliverables has been authorized by the Laboratory Manager as verified by the signature on this laboratory report.

Approved by: *Ben Gulizia*
Laboratory Director

Date: 3/10/21

York Analytical Laboratories, Inc.

Formulae Used for Sample Calculations

1. **Volatile Organics (Water-ug/L or Soil-ug/Kg)**

Soils/Waters

$$Cx = \frac{(Ax)(IS)(DF)}{(Ais)(RRF)(V)(\%\ solids)}$$

Medium Level Soils

$$Cx = \frac{(Ax)(IS)(VT)(1000)(DF)}{(Ais)(RRF)(VA)(V)(\%\ solids)}$$

2. **Semi-Volatiles (Water-ug/L or Soil-ug/Kg)**

$$Cx = \frac{(Ax)(IS)(VE)(DF)}{(Ais)(RRF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

3. **Pesticides/PCB, DRO, EPH, CTETPH (Water-ug/L or Soil-ug/Kg)**

$$Cx = \frac{(Ax)(VE)(DF)}{(CF)(Volume\ injected,\ uL)(V)(\%\ solids)}$$

4. **Inorganics (Water or Soil-ug/mL)**

$$Cx = \frac{(Conc.)(VE)}{(V)(\%\ solids/100)}$$

WHERE:

Cx = concentration of analyte as ug/L or ug/kg
Ax = Area of the characteristic ion for the compound to be measured, counts
Ais = Area of the characteristic ion for the specific internal standard, counts
IS = Concentration of the internal standard spiking mixture, ng
RRF = Mean relative response factor from the initial calibration
DF = Dilution factor calculated as described in section 2. If no dilution is performed, DF= 1
V = Volume for liquids in mL, weight for soils/solids in grams
VA = volume of MeOH aliquot for medium level soils
VE = final volume of concentrated extract or digestate
VT = volume of MeOH for volatiles medium level soils
CF = calibration factor for external calibration used in GC pest/pcb
Cis = Concentration of the internal standard spiking mixture, ppbv

Case Narrative Non-Conformance Summary

Laboratory:	York Analytical Laboratories, Inc.	Client:	
Project:		Lab Project No:	
Laboratory Sample ID(s)	-01 - -08	Sampling Date(s):	12/02/2020 - 12/02/2020
Review Date(s):	-	Laboratory Reviewer(s):	

QC Sample Nonconformances

Batch ID: BL00509 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BL00509-BS1	tert-Butylbenzene - 98-06-6	7.7 ug/L	LCS	76.8	77-138	Low Bias				
BL00509-BS1	trans-1,3-Dichloropropylene - 10061-02-6	7.7 ug/L	LCS	77.2	78-131	Low Bias				
BL00509-BSD1	1,2,4-Trimethylbenzene - 95-63-6	8.1 ug/L	LCS Dup	80.6	82-132	Low Bias	5.90	30		
BL00509-BSD1	n-Propylbenzene - 103-65-1	7.6 ug/L	LCS Dup	75.9	78-133	Low Bias	8.94	30		
BL00509-BSD1	tert-Butyl alcohol (TBA) - 75-65-0	49 ug/L	LCS Dup	98.5	25-162		33.5	30	Non-dir.	
BL00509-BSD1	tert-Butylbenzene - 98-06-6	7.0 ug/L	LCS Dup	70.4	77-138	Low Bias	8.70	30		

Batch ID: BL00510 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
BL00510-BS1	tert-Butylbenzene - 98-06-6	7.2 ug/L	LCS	71.8	77-138	Low Bias				
BL00510-BS1	Tetrachloroethylene - 127-18-4	8.1 ug/L	LCS	81.0	82-131	Low Bias				
BL00510-BSD1	tert-Butylbenzene - 98-06-6	7.3 ug/L	LCS Dup	73.2	77-138	Low Bias	1.93	30		
BL00510-BSD1	Tetrachloroethylene - 127-18-4	7.6 ug/L	LCS Dup	75.9	82-131	Low Bias	6.50	30		

Batch ID: Y0J2914 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0J2914-SCV1	1,4-Dioxane - 123-91-1	322 ug/L	Secondary Cal Check	153	70-130	High Bias				
Y0J2914-SCV1	Dichlorodifluoromethane - 75-71-8	13.8 ug/L	Secondary Cal Check	138	70-130	High Bias				

Batch ID: Y0L0203 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0L0203-SCV1	Acrolein - 107-02-8	4.26 ug/L	Secondary Cal Check	42.6	70-130	Low Bias				

Batch ID: Y0L0933 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0L0933-CCV1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113) - 76-13-1	13.2 ug/L	Calibration Check	132	80-120	High Bias				
Y0L0933-CCV1	1,2-Dichloroethane - 107-06-2	12.0 ug/L	Calibration Check	120	80-120	High Bias				
Y0L0933-CCV1	1,4-Dioxane - 123-91-1	274 ug/L	Calibration Check	137	80-120	High Bias				
Y0L0933-CCV1	Acrolein - 107-02-8	13.4 ug/L	Calibration Check	134	80-120	High Bias				
Y0L0933-CCV1	Bromomethane - 74-83-9	13.5 ug/L	Calibration Check	135	80-120	High Bias				
Y0L0933-CCV1	Carbon tetrachloride - 56-23-5	12.1 ug/L	Calibration Check	121	80-120	High Bias				
Y0L0933-CCV1	Chloroform - 67-66-3	12.1 ug/L	Calibration Check	121	80-120	High Bias				
Y0L0933-CCV1	Chloromethane - 74-87-3	6.90 ug/L	Calibration Check	69.0	80-120	Low Bias				
Y0L0933-CCV1	Dichlorodifluoromethane - 75-71-8	12.3 ug/L	Calibration Check	123	80-120	High Bias				
Y0L0933-CCV1	Methyl tert-butyl ether (MTBE) - 1634-04-4	13.2 ug/L	Calibration Check	132	80-120	High Bias				
Y0L0933-CCV1	tert-Butyl alcohol (TBA) - 75-65-0	14.3 ug/L	Calibration Check	143	80-120	High Bias				
Y0L0933-CCV1	trans-1,4-dichloro-2-butene - 110-57-6	7.67 ug/L	Calibration Check	76.7	80-120	Low Bias				
Y0L0933-CCV1	Trichlorofluoromethane - 75-69-4	12.3 ug/L	Calibration Check	123	80-120	High Bias				

Batch ID: Y0L0937 **Affected Samples:** **See Batch Summar**

QC Sample ID	Analyte - CAS No.	Result	Type of QC Nonconformance	%REC	%REC Limits	Bias	RPD	RPD Limit	Bias	Notes
Y0L0937-CCV1	1,2-Dibromo-3-chloropropane - 96-12-8	7.73 ug/L	Calibration Check	77.3	80-120	Low Bias				
Y0L0937-CCV1	Bromomethane - 74-83-9	4.75 ug/L	Calibration Check	47.5	80-120	Low Bias				

Batch ID: BL00509 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20L0374-06	PW-3-U
20L0374-07	PW-4-L
20L0374-08	PW-4-U
BL00509-BLK1	Blank
BL00509-BS1	LCS
BL00509-BSD1	LCS Dup

Batch ID: BL00510 **General** Volatile Organic Compounds by GC/MS

YORK Sample ID	Client Sample ID
20L0374-01	PW-1-L
20L0374-02	PW-1-U
20L0374-03	PW-2-L
20L0374-04	PW-2-U
20L0374-05	PW-3-L
BL00510-BLK1	Blank
BL00510-BS1	LCS
BL00510-BSD1	LCS Dup

No Sample Nonconformances Found

Notes: Other nonconformances, if any, are detailed in the Data Quality Assessment worksheets.

For multiple surrogate analyses such as semi-volatiles, volatiles, etc, single surrogate excursions do not necessarily indicate a bias in the sample. Samples with multiple surrogate excursions may exhibit a bias in the results.

Definitions:
LCS - Laboratory Control Sample
LCS dup - Laboratory Control Sample Duplicate
MS - Matrix Spike
MSD - Matrix Spike Duplicate
BS - Blank Spike also called LCS
BSD - Blank Spike Duplicate also called LCS dup
SRM - Standard Reference Material
DUP - Duplicate

QC DATA QUALIFIERS

LabID	Analysis	Analyte	Qualifier	Definition
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	Acrolein	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BL00509-BS1	Volatile Organics, 8260 - Comprehensive	tert-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BL00509-BSD1	Volatile Organics, 8260 - Comprehensive	1,2,4-Trimethylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BL00509-BSD1	Volatile Organics, 8260 - Comprehensive	n-Propylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BL00509-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
BL00509-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BL00510-BLK1	Volatile Organics, 8260 - Comprehensive	2-Butanone	J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
BL00510-BS1	Volatile Organics, 8260 - Comprehensive	2-Butanone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

LabID	Analysis	Analyte	Qualifier	Definition
BL00510-BS1	Volatile Organics, 8260 - Comprehensive	tert-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BL00510-BS1	Volatile Organics, 8260 - Comprehensive	Tetrachloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BL00510-BSD1	Volatile Organics, 8260 - Comprehensive	2-Butanone	B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.
BL00510-BSD1	Volatile Organics, 8260 - Comprehensive	tert-Butylbenzene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
BL00509-BS1	Volatile Organics, 8260 - Comprehensive	trans-1,3-Dichloropropylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0937-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	1,4-Dioxane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	Carbon tetrachloride	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	Bromomethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	Chloroform	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	Chloromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	Dichlorodifluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	Methyl tert-butyl ether (MTBE)	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	tert-Butyl alcohol (TBA)	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	trans-1,4-dichloro-2-butene	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
Y0L0933-CCV1	Volatile Organics, 8260 - Comprehensive	Trichlorofluoromethane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).

LabID	Analysis	Analyte	Qualifier	Definition
Y0L0937-CCV1	Volatile Organics, 8260 - Comprehensive	1,2-Dibromo-3-chloropropane	CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
BL00510-BSD1	Volatile Organics, 8260 - Comprehensive	Tetrachloroethylene	QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.

Analytical Batch Summary

Batch ID: BL00509 **Preparation Method:** EPA 5030B **Prepared By:** MD

YORK Sample ID	Client Sample ID	Preparation Date
20L0374-06	PW-3-U	12/09/20
20L0374-07	PW-4-L	12/09/20
20L0374-08	PW-4-U	12/09/20
BL00509-BLK1	Blank	12/09/20
BL00509-BS1	LCS	12/09/20
BL00509-BSD1	LCS Dup	12/09/20

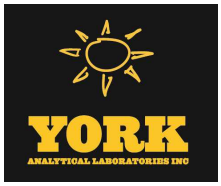
Batch ID: BL00510 **Preparation Method:** EPA 5030B **Prepared By:** KHA

YORK Sample ID	Client Sample ID	Preparation Date
20L0374-01	PW-1-L	12/09/20
20L0374-02	PW-1-U	12/09/20
20L0374-03	PW-2-L	12/09/20
20L0374-04	PW-2-U	12/09/20
20L0374-05	PW-3-L	12/09/20
BL00510-BLK1	Blank	12/09/20
BL00510-BS1	LCS	12/09/20
BL00510-BSD1	LCS Dup	12/09/20

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00509 - EPA 5030B											
Blank (BL00509-BLK1)									Prepared & Analyzed: 12/09/2020		
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	ND	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								
Acetone	ND	2.0	"								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								



Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00509 - EPA 5030B											
Blank (BL00509-BLK1)								Prepared & Analyzed: 12/09/2020			
Methylcyclohexane	ND	0.50	ug/L								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.09*		*"*	*10.0*		*90.9*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*8.99*		*"*	*10.0*		*89.9*	*79-122*				
LCS (BL00509-BS1)								Prepared & Analyzed: 12/09/2020			
1,1,1,2-Tetrachloroethane	9.2		ug/L	10.0		92.3	82-126				
1,1,1-Trichloroethane	11		"	10.0		109	78-136				
1,1,2,2-Tetrachloroethane	8.1		"	10.0		80.6	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	12		"	10.0		116	54-165				
1,1,2-Trichloroethane	8.5		"	10.0		85.4	82-123				
1,1-Dichloroethane	9.3		"	10.0		92.9	82-129				
1,1-Dichloroethylene	10		"	10.0		100	68-138				
1,2,3-Trichlorobenzene	8.2		"	10.0		81.6	40-130				
1,2,3-Trichloropropane	8.7		"	10.0		87.3	77-128				
1,2,4-Trichlorobenzene	8.8		"	10.0		87.8	65-137				
1,2,4-Trimethylbenzene	8.6		"	10.0		85.5	82-132				
1,2-Dibromo-3-chloropropane	7.5		"	10.0		74.6	45-147				
1,2-Dibromoethane	8.8		"	10.0		88.3	83-124				
1,2-Dichlorobenzene	9.1		"	10.0		91.3	79-123				
1,2-Dichloroethane	9.8		"	10.0		97.5	73-132				
1,2-Dichloropropane	8.0		"	10.0		79.8	78-126				
1,3,5-Trimethylbenzene	8.7		"	10.0		87.2	80-131				
1,3-Dichlorobenzene	9.2		"	10.0		92.0	86-130				
1,4-Dichlorobenzene	9.2		"	10.0		92.4	85-130				
1,4-Dioxane	170		"	210		82.6	10-349				
2-Butanone	10		"	10.0		101	49-152				
2-Hexanone	6.2		"	10.0		62.2	51-146				
4-Methyl-2-pentanone	6.3		"	10.0		63.1	57-145				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00509 - EPA 5030B											
LCS (BL00509-BS1)								Prepared & Analyzed: 12/09/2020			
Acetone	8.5		ug/L	10.0		85.2	14-150				
Acrolein	6.3		"	10.0		62.9	10-153				
Acrylonitrile	9.5		"	10.0		94.8	51-150				
Benzene	10		"	10.0		101	85-126				
Bromochloromethane	9.1		"	10.0		91.3	77-128				
Bromodichloromethane	8.5		"	10.0		85.1	79-128				
Bromoform	9.2		"	10.0		91.5	78-133				
Bromomethane	16		"	10.0		160	43-168				
Carbon disulfide	11		"	10.0		106	68-146				
Carbon tetrachloride	10		"	10.0		104	77-141				
Chlorobenzene	9.1		"	10.0		90.7	88-120				
Chloroethane	9.7		"	10.0		97.2	65-136				
Chloroform	10		"	10.0		104	82-128				
Chloromethane	7.1		"	10.0		71.2	43-155				
cis-1,2-Dichloroethylene	9.4		"	10.0		94.1	83-129				
cis-1,3-Dichloropropylene	8.2		"	10.0		81.7	80-131				
Cyclohexane	8.4		"	10.0		84.3	63-149				
Dibromochloromethane	9.3		"	10.0		92.9	80-130				
Dibromomethane	8.5		"	10.0		85.1	72-134				
Dichlorodifluoromethane	13		"	10.0		125	44-144				
Ethyl Benzene	8.8		"	10.0		88.0	80-131				
Hexachlorobutadiene	8.2		"	10.0		81.8	67-146				
Isopropylbenzene	8.6		"	10.0		85.7	76-140				
Methyl acetate	7.6		"	10.0		76.5	51-139				
Methyl tert-butyl ether (MTBE)	9.8		"	10.0		97.8	76-135				
Methylcyclohexane	9.8		"	10.0		97.7	72-143				
Methylene chloride	9.2		"	10.0		92.1	55-137				
n-Butylbenzene	8.6		"	10.0		86.1	79-132				
n-Propylbenzene	8.3		"	10.0		83.0	78-133				
o-Xylene	8.7		"	10.0		87.0	78-130				
p- & m- Xylenes	18		"	20.0		89.2	77-133				
p-Isopropyltoluene	8.9		"	10.0		89.4	81-136				
sec-Butylbenzene	9.0		"	10.0		90.3	79-137				
Styrene	9.1		"	10.0		91.2	67-132				
tert-Butyl alcohol (TBA)	35		"	50.0		70.2	25-162				
tert-Butylbenzene	7.7		"	10.0		76.8	77-138	Low Bias			
Tetrachloroethylene	9.5		"	10.0		94.6	82-131				
Toluene	8.7		"	10.0		86.8	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		102	80-132				
trans-1,3-Dichloropropylene	7.7		"	10.0		77.2	78-131	Low Bias			
trans-1,4-dichloro-2-butene	6.9		"	10.0		69.0	63-141				
Trichloroethylene	8.8		"	10.0		88.1	82-128				
Trichlorofluoromethane	11		"	10.0		109	67-139				
Vinyl Chloride	10		"	10.0		100	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.91*		*"*	*10.0*		*99.1*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.20*		*"*	*10.0*		*92.0*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*9.31*		*"*	*10.0*		*93.1*	*79-122*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00509 - EPA 5030B											
LCS Dup (BL00509-BSD1)								Prepared & Analyzed: 12/09/2020			
1,1,1,2-Tetrachloroethane	9.5		ug/L	10.0		95.4	82-126		3.30	30	
1,1,1-Trichloroethane	10		"	10.0		104	78-136		3.94	30	
1,1,2,2-Tetrachloroethane	8.4		"	10.0		84.4	76-129		4.61	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11		"	10.0		112	54-165		3.86	30	
1,1,2-Trichloroethane	9.1		"	10.0		91.4	82-123		6.79	30	
1,1-Dichloroethane	9.3		"	10.0		93.0	82-129		0.108	30	
1,1-Dichloroethylene	9.6		"	10.0		96.3	68-138		3.97	30	
1,2,3-Trichlorobenzene	8.8		"	10.0		88.2	40-130		7.77	30	
1,2,3-Trichloropropane	8.5		"	10.0		85.0	77-128		2.67	30	
1,2,4-Trichlorobenzene	9.0		"	10.0		89.6	65-137		2.03	30	
1,2,4-Trimethylbenzene	8.1		"	10.0		80.6	82-132	Low Bias	5.90	30	
1,2-Dibromo-3-chloropropane	7.5		"	10.0		74.8	45-147		0.268	30	
1,2-Dibromoethane	9.6		"	10.0		96.5	83-124		8.87	30	
1,2-Dichlorobenzene	8.8		"	10.0		87.8	79-123		3.91	30	
1,2-Dichloroethane	10		"	10.0		104	73-132		6.74	30	
1,2-Dichloropropane	8.0		"	10.0		79.9	78-126		0.125	30	
1,3,5-Trimethylbenzene	8.1		"	10.0		80.9	80-131		7.50	30	
1,3-Dichlorobenzene	8.6		"	10.0		86.1	86-130		6.63	30	
1,4-Dichlorobenzene	8.6		"	10.0		85.8	85-130		7.41	30	
1,4-Dioxane	210		"	210		100	10-349		19.3	30	
2-Butanone	12		"	10.0		115	49-152		13.1	30	
2-Hexanone	7.4		"	10.0		73.8	51-146		17.1	30	
4-Methyl-2-pentanone	7.6		"	10.0		76.4	57-145		19.1	30	
Acetone	10		"	10.0		100	14-150		16.2	30	
Acrolein	7.6		"	10.0		76.3	10-153		19.3	30	
Acrylonitrile	10		"	10.0		102	51-150		6.83	30	
Benzene	10		"	10.0		102	85-126		0.494	30	
Bromochloromethane	9.8		"	10.0		97.8	77-128		6.87	30	
Bromodichloromethane	8.9		"	10.0		89.1	79-128		4.59	30	
Bromoform	10		"	10.0		102	78-133		10.6	30	
Bromomethane	14		"	10.0		144	43-168		11.1	30	
Carbon disulfide	10		"	10.0		103	68-146		2.88	30	
Carbon tetrachloride	10		"	10.0		104	77-141		0.0965	30	
Chlorobenzene	9.1		"	10.0		90.9	88-120		0.220	30	
Chloroethane	9.6		"	10.0		96.0	65-136		1.24	30	
Chloroform	11		"	10.0		106	82-128		1.24	30	
Chloromethane	7.4		"	10.0		74.0	43-155		3.86	30	
cis-1,2-Dichloroethylene	9.5		"	10.0		95.1	83-129		1.06	30	
cis-1,3-Dichloropropylene	8.2		"	10.0		81.6	80-131		0.122	30	
Cyclohexane	8.2		"	10.0		82.2	63-149		2.52	30	
Dibromochloromethane	9.9		"	10.0		98.6	80-130		5.95	30	
Dibromomethane	9.5		"	10.0		95.2	72-134		11.2	30	
Dichlorodifluoromethane	12		"	10.0		120	44-144		4.16	30	
Ethyl Benzene	8.7		"	10.0		87.3	80-131		0.799	30	
Hexachlorobutadiene	7.3		"	10.0		73.2	67-146		11.1	30	
Isopropylbenzene	7.7		"	10.0		76.8	76-140		11.0	30	
Methyl acetate	9.3		"	10.0		92.9	51-139		19.4	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		112	76-135		13.4	30	
Methylcyclohexane	9.6		"	10.0		95.6	72-143		2.17	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00509 - EPA 5030B											
LCS Dup (BL00509-BSD1)								Prepared & Analyzed: 12/09/2020			
Methylene chloride	9.6		ug/L	10.0		96.1	55-137		4.25	30	
n-Butylbenzene	8.2		"	10.0		82.2	79-132		4.63	30	
n-Propylbenzene	7.6		"	10.0		75.9	78-133	Low Bias	8.94	30	
o-Xylene	8.7		"	10.0		86.8	78-130		0.230	30	
p- & m- Xylenes	18		"	20.0		87.6	77-133		1.87	30	
p-Isopropyltoluene	8.3		"	10.0		83.3	81-136		7.06	30	
sec-Butylbenzene	8.3		"	10.0		83.3	79-137		8.06	30	
Styrene	9.3		"	10.0		92.8	67-132		1.74	30	
tert-Butyl alcohol (TBA)	49		"	50.0		98.5	25-162		33.5	30	Non-dir.
tert-Butylbenzene	7.0		"	10.0		70.4	77-138	Low Bias	8.70	30	
Tetrachloroethylene	8.9		"	10.0		89.1	82-131		5.99	30	
Toluene	8.4		"	10.0		84.5	80-127		2.69	30	
trans-1,2-Dichloroethylene	10		"	10.0		100	80-132		1.59	30	
trans-1,3-Dichloropropylene	8.5		"	10.0		84.6	78-131		9.15	30	
trans-1,4-dichloro-2-butene	7.4		"	10.0		74.4	63-141		7.53	30	
Trichloroethylene	8.7		"	10.0		86.8	82-128		1.49	30	
Trichlorofluoromethane	10		"	10.0		104	67-139		3.94	30	
Vinyl Chloride	9.7		"	10.0		96.6	58-145		3.86	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*10.6*		*"*	*10.0*		*106*	*69-130*				
Surrogate: SURR: Toluene-d8	*8.95*		*"*	*10.0*		*89.5*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*8.83*		*"*	*10.0*		*88.3*	*79-122*				
Batch BL00510 - EPA 5030B											
Blank (BL00510-BLK1)								Prepared & Analyzed: 12/09/2020			
1,1,1,2-Tetrachloroethane	ND	0.50	ug/L								
1,1,1-Trichloroethane	ND	0.50	"								
1,1,2,2-Tetrachloroethane	ND	0.50	"								
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	ND	0.50	"								
1,1,2-Trichloroethane	ND	0.50	"								
1,1-Dichloroethane	ND	0.50	"								
1,1-Dichloroethylene	ND	0.50	"								
1,2,3-Trichlorobenzene	ND	0.50	"								
1,2,3-Trichloropropane	ND	0.50	"								
1,2,4-Trichlorobenzene	ND	0.50	"								
1,2,4-Trimethylbenzene	ND	0.50	"								
1,2-Dibromo-3-chloropropane	ND	0.50	"								
1,2-Dibromoethane	ND	0.50	"								
1,2-Dichlorobenzene	ND	0.50	"								
1,2-Dichloroethane	ND	0.50	"								
1,2-Dichloropropane	ND	0.50	"								
1,3,5-Trimethylbenzene	ND	0.50	"								
1,3-Dichlorobenzene	ND	0.50	"								
1,4-Dichlorobenzene	ND	0.50	"								
1,4-Dioxane	ND	40	"								
2-Butanone	0.47	0.50	"								
2-Hexanone	ND	0.50	"								
4-Methyl-2-pentanone	ND	0.50	"								

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00510 - EPA 5030B											
Blank (BL00510-BLK1)											Prepared & Analyzed: 12/09/2020
Acetone	ND	2.0	ug/L								
Acrolein	ND	0.50	"								
Acrylonitrile	ND	0.50	"								
Benzene	ND	0.50	"								
Bromochloromethane	ND	0.50	"								
Bromodichloromethane	ND	0.50	"								
Bromoform	ND	0.50	"								
Bromomethane	ND	0.50	"								
Carbon disulfide	ND	0.50	"								
Carbon tetrachloride	ND	0.50	"								
Chlorobenzene	ND	0.50	"								
Chloroethane	ND	0.50	"								
Chloroform	ND	0.50	"								
Chloromethane	ND	0.50	"								
cis-1,2-Dichloroethylene	ND	0.50	"								
cis-1,3-Dichloropropylene	ND	0.50	"								
Cyclohexane	ND	0.50	"								
Dibromochloromethane	ND	0.50	"								
Dibromomethane	ND	0.50	"								
Dichlorodifluoromethane	ND	0.50	"								
Ethyl Benzene	ND	0.50	"								
Hexachlorobutadiene	ND	0.50	"								
Isopropylbenzene	ND	0.50	"								
Methyl acetate	ND	0.50	"								
Methyl tert-butyl ether (MTBE)	ND	0.50	"								
Methylcyclohexane	ND	0.50	"								
Methylene chloride	ND	2.0	"								
n-Butylbenzene	ND	0.50	"								
n-Propylbenzene	ND	0.50	"								
o-Xylene	ND	0.50	"								
p- & m- Xylenes	ND	1.0	"								
p-Isopropyltoluene	ND	0.50	"								
sec-Butylbenzene	ND	0.50	"								
Styrene	ND	0.50	"								
tert-Butyl alcohol (TBA)	ND	1.0	"								
tert-Butylbenzene	ND	0.50	"								
Tetrachloroethylene	ND	0.50	"								
Toluene	ND	0.50	"								
trans-1,2-Dichloroethylene	ND	0.50	"								
trans-1,3-Dichloropropylene	ND	0.50	"								
trans-1,4-dichloro-2-butene	ND	0.50	"								
Trichloroethylene	ND	0.50	"								
Trichlorofluoromethane	ND	0.50	"								
Vinyl Chloride	ND	0.50	"								
Xylenes, Total	ND	1.5	"								
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.87*		*"*	*10.0*		*98.7*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.56*		*"*	*10.0*		*95.6*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00510 - EPA 5030B											
Blank (BL00510-BLK1)								Prepared & Analyzed: 12/09/2020			
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*ug/L*	*10.0*		*106*	*79-122*				
LCS (BL00510-BS1)								Prepared & Analyzed: 12/09/2020			
1,1,1,2-Tetrachloroethane	9.3		ug/L	10.0		92.9	82-126				
1,1,1-Trichloroethane	9.0		"	10.0		89.9	78-136				
1,1,2,2-Tetrachloroethane	9.8		"	10.0		98.0	76-129				
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	8.3		"	10.0		83.0	54-165				
1,1,2-Trichloroethane	9.4		"	10.0		94.4	82-123				
1,1-Dichloroethane	9.9		"	10.0		98.8	82-129				
1,1-Dichloroethylene	9.7		"	10.0		97.2	68-138				
1,2,3-Trichlorobenzene	8.4		"	10.0		83.6	40-130				
1,2,3-Trichloropropane	9.5		"	10.0		95.3	77-128				
1,2,4-Trichlorobenzene	8.5		"	10.0		85.1	65-137				
1,2,4-Trimethylbenzene	9.4		"	10.0		94.3	82-132				
1,2-Dibromo-3-chloropropane	8.6		"	10.0		86.0	45-147				
1,2-Dibromoethane	9.6		"	10.0		96.1	83-124				
1,2-Dichlorobenzene	9.4		"	10.0		94.3	79-123				
1,2-Dichloroethane	10		"	10.0		102	73-132				
1,2-Dichloropropane	9.4		"	10.0		93.6	78-126				
1,3,5-Trimethylbenzene	9.3		"	10.0		93.1	80-131				
1,3-Dichlorobenzene	9.0		"	10.0		90.4	86-130				
1,4-Dichlorobenzene	9.3		"	10.0		92.9	85-130				
1,4-Dioxane	190		"	210		92.0	10-349				
2-Butanone	11		"	10.0		108	49-152				
2-Hexanone	9.7		"	10.0		97.4	51-146				
4-Methyl-2-pentanone	9.8		"	10.0		97.9	57-145				
Acetone	8.2		"	10.0		82.5	14-150				
Acrolein	5.7		"	10.0		57.0	10-153				
Acrylonitrile	10		"	10.0		103	51-150				
Benzene	10		"	10.0		101	85-126				
Bromochloromethane	11		"	10.0		107	77-128				
Bromodichloromethane	9.3		"	10.0		92.6	79-128				
Bromoform	8.7		"	10.0		86.9	78-133				
Bromomethane	6.1		"	10.0		61.0	43-168				
Carbon disulfide	10		"	10.0		103	68-146				
Carbon tetrachloride	8.4		"	10.0		84.2	77-141				
Chlorobenzene	9.4		"	10.0		94.1	88-120				
Chloroethane	9.6		"	10.0		96.5	65-136				
Chloroform	9.8		"	10.0		98.2	82-128				
Chloromethane	9.6		"	10.0		96.4	43-155				
cis-1,2-Dichloroethylene	10		"	10.0		101	83-129				
cis-1,3-Dichloropropylene	9.5		"	10.0		94.8	80-131				
Cyclohexane	7.4		"	10.0		74.2	63-149				
Dibromochloromethane	9.2		"	10.0		92.5	80-130				
Dibromomethane	9.4		"	10.0		94.0	72-134				
Dichlorodifluoromethane	7.9		"	10.0		79.1	44-144				
Ethyl Benzene	9.6		"	10.0		95.9	80-131				
Hexachlorobutadiene	8.3		"	10.0		83.4	67-146				
Isopropylbenzene	8.8		"	10.0		88.4	76-140				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00510 - EPA 5030B											
LCS (BL00510-BS1)								Prepared & Analyzed: 12/09/2020			
Methyl acetate	9.8		ug/L	10.0		98.4	51-139				
Methyl tert-butyl ether (MTBE)	11		"	10.0		106	76-135				
Methylcyclohexane	8.5		"	10.0		84.7	72-143				
Methylene chloride	11		"	10.0		106	55-137				
n-Butylbenzene	9.1		"	10.0		91.3	79-132				
n-Propylbenzene	9.0		"	10.0		89.9	78-133				
o-Xylene	9.6		"	10.0		95.7	78-130				
p- & m- Xylenes	19		"	20.0		96.4	77-133				
p-Isopropyltoluene	9.0		"	10.0		90.0	81-136				
sec-Butylbenzene	9.2		"	10.0		92.3	79-137				
Styrene	10		"	10.0		101	67-132				
tert-Butyl alcohol (TBA)	39		"	50.0		77.7	25-162				
tert-Butylbenzene	7.2		"	10.0		71.8	77-138	Low Bias			
Tetrachloroethylene	8.1		"	10.0		81.0	82-131	Low Bias			
Toluene	9.4		"	10.0		93.8	80-127				
trans-1,2-Dichloroethylene	10		"	10.0		103	80-132				
trans-1,3-Dichloropropylene	9.4		"	10.0		94.4	78-131				
trans-1,4-dichloro-2-butene	9.4		"	10.0		94.3	63-141				
Trichloroethylene	8.7		"	10.0		87.3	82-128				
Trichlorofluoromethane	8.3		"	10.0		82.9	67-139				
Vinyl Chloride	9.6		"	10.0		96.1	58-145				
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.65*		*"*	*10.0*		*96.5*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.64*		*"*	*10.0*		*96.4*	*81-117*				
Surrogate: SURR: p-Bromofluorobenzene	*10.4*		*"*	*10.0*		*104*	*79-122*				
LCS Dup (BL00510-BSD1)								Prepared & Analyzed: 12/09/2020			
1,1,1,2-Tetrachloroethane	8.9		ug/L	10.0		89.3	82-126		3.95	30	
1,1,1-Trichloroethane	8.6		"	10.0		85.7	78-136		4.78	30	
1,1,2,2-Tetrachloroethane	10		"	10.0		101	76-129		3.41	30	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	7.8		"	10.0		78.1	54-165		6.08	30	
1,1,2-Trichloroethane	9.3		"	10.0		92.6	82-123		1.93	30	
1,1-Dichloroethane	9.3		"	10.0		93.1	82-129		5.94	30	
1,1-Dichloroethylene	9.1		"	10.0		90.8	68-138		6.81	30	
1,2,3-Trichlorobenzene	8.8		"	10.0		87.8	40-130		4.90	30	
1,2,3-Trichloropropane	9.8		"	10.0		97.8	77-128		2.59	30	
1,2,4-Trichlorobenzene	8.8		"	10.0		87.9	65-137		3.24	30	
1,2,4-Trimethylbenzene	9.5		"	10.0		94.9	82-132		0.634	30	
1,2-Dibromo-3-chloropropane	9.0		"	10.0		90.4	45-147		4.99	30	
1,2-Dibromoethane	9.4		"	10.0		93.7	83-124		2.53	30	
1,2-Dichlorobenzene	9.5		"	10.0		95.3	79-123		1.05	30	
1,2-Dichloroethane	10		"	10.0		100	73-132		1.39	30	
1,2-Dichloropropane	9.0		"	10.0		89.6	78-126		4.37	30	
1,3,5-Trimethylbenzene	9.4		"	10.0		93.6	80-131		0.536	30	
1,3-Dichlorobenzene	9.1		"	10.0		91.0	86-130		0.662	30	
1,4-Dichlorobenzene	9.3		"	10.0		92.8	85-130		0.108	30	
1,4-Dioxane	200		"	210		94.6	10-349		2.84	30	
2-Butanone	11		"	10.0		107	49-152		1.30	30	
2-Hexanone	9.8		"	10.0		98.0	51-146		0.614	30	

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00510 - EPA 5030B											
LCS Dup (BL00510-BSD1)							Prepared & Analyzed: 12/09/2020				
4-Methyl-2-pentanone	9.8		ug/L	10.0		97.7	57-145		0.205	30	
Acetone	8.5		"	10.0		85.4	14-150		3.45	30	
Acrolein	5.9		"	10.0		58.9	10-153		3.28	30	
Acrylonitrile	10		"	10.0		104	51-150		1.45	30	
Benzene	9.7		"	10.0		97.3	85-126		3.73	30	
Bromochloromethane	10		"	10.0		105	77-128		2.55	30	
Bromodichloromethane	8.9		"	10.0		88.9	79-128		4.08	30	
Bromoform	8.5		"	10.0		85.1	78-133		2.09	30	
Bromomethane	5.8		"	10.0		57.6	43-168		5.73	30	
Carbon disulfide	9.6		"	10.0		96.2	68-146		6.54	30	
Carbon tetrachloride	8.0		"	10.0		79.5	77-141		5.74	30	
Chlorobenzene	9.0		"	10.0		89.5	88-120		5.01	30	
Chloroethane	9.0		"	10.0		89.8	65-136		7.19	30	
Chloroform	9.4		"	10.0		94.5	82-128		3.84	30	
Chloromethane	9.0		"	10.0		89.8	43-155		7.09	30	
cis-1,2-Dichloroethylene	9.6		"	10.0		95.8	83-129		4.99	30	
cis-1,3-Dichloropropylene	9.1		"	10.0		91.2	80-131		3.87	30	
Cyclohexane	7.1		"	10.0		70.6	63-149		4.97	30	
Dibromochloromethane	9.0		"	10.0		90.1	80-130		2.63	30	
Dibromomethane	9.1		"	10.0		91.0	72-134		3.24	30	
Dichlorodifluoromethane	7.4		"	10.0		74.1	44-144		6.53	30	
Ethyl Benzene	9.1		"	10.0		91.3	80-131		4.91	30	
Hexachlorobutadiene	8.3		"	10.0		82.6	67-146		0.964	30	
Isopropylbenzene	8.8		"	10.0		88.5	76-140		0.113	30	
Methyl acetate	9.9		"	10.0		98.8	51-139		0.406	30	
Methyl tert-butyl ether (MTBE)	11		"	10.0		105	76-135		0.568	30	
Methylcyclohexane	8.1		"	10.0		81.0	72-143		4.47	30	
Methylene chloride	10		"	10.0		102	55-137		3.26	30	
n-Butylbenzene	9.4		"	10.0		93.7	79-132		2.59	30	
n-Propylbenzene	9.1		"	10.0		90.9	78-133		1.11	30	
o-Xylene	9.1		"	10.0		91.2	78-130		4.82	30	
p- & m- Xylenes	18		"	20.0		91.8	77-133		4.84	30	
p-Isopropyltoluene	9.2		"	10.0		91.6	81-136		1.76	30	
sec-Butylbenzene	9.5		"	10.0		94.7	79-137		2.57	30	
Styrene	9.7		"	10.0		96.7	67-132		4.45	30	
tert-Butyl alcohol (TBA)	38		"	50.0		77.0	25-162		0.982	30	
tert-Butylbenzene	7.3		"	10.0		73.2	77-138	Low Bias	1.93	30	
Tetrachloroethylene	7.6		"	10.0		75.9	82-131	Low Bias	6.50	30	
Toluene	8.9		"	10.0		88.7	80-127		5.59	30	
trans-1,2-Dichloroethylene	9.8		"	10.0		97.5	80-132		5.68	30	
trans-1,3-Dichloropropylene	9.1		"	10.0		91.0	78-131		3.67	30	
trans-1,4-dichloro-2-butene	9.8		"	10.0		97.7	63-141		3.54	30	
Trichloroethylene	8.3		"	10.0		83.1	82-128		4.93	30	
Trichlorofluoromethane	7.7		"	10.0		77.0	67-139		7.38	30	
Vinyl Chloride	8.9		"	10.0		89.0	58-145		7.67	30	
Surrogate: SURR: 1,2-Dichloroethane-d4	*9.54*		*"*	*10.0*		*95.4*	*69-130*				
Surrogate: SURR: Toluene-d8	*9.62*		*"*	*10.0*		*96.2*	*81-117*				

Volatile Organic Compounds by GC/MS - Quality Control Data

York Analytical Laboratories, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source* Result	%REC	%REC Limits	Flag	RPD	RPD Limit	Flag
Batch BL00510 - EPA 5030B											
LCS Dup (BL00510-BSD1)								Prepared & Analyzed: 12/09/2020			
Surrogate: SURR: p-Bromofluorobenzene	*10.6*		*ug/L*	*10.0*		*106*	*79-122*				

Volatile Analysis Sample Containers

Lab ID	Client Sample ID	Volatile Sample Container
20L0374-01	PW-1-L	40mL 01_Clear Vial Cool to 4° C
20L0374-02	PW-1-U	40mL 01_Clear Vial Cool to 4° C
20L0374-03	PW-2-L	40mL 01_Clear Vial Cool to 4° C
20L0374-04	PW-2-U	40mL 01_Clear Vial Cool to 4° C
20L0374-05	PW-3-L	40mL 01_Clear Vial Cool to 4° C
20L0374-06	PW-3-U	40mL 01_Clear Vial Cool to 4° C
20L0374-07	PW-4-L	40mL 01_Clear Vial Cool to 4° C
20L0374-08	PW-4-U	40mL 01_Clear Vial Cool to 4° C

Sample and Data Qualifiers Relating to This Work Order

VOA-PH	Insufficient preservative to reduce the sample pH to less than 2. Sample was analyzed within 14 days of sampling, but beyond the 7 days recommended for Volatiles.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
QL-02	This LCS analyte is outside Laboratory Recovery limits due the analyte behavior using the referenced method. The reference method has certain limitations with respect to analytes of this nature.
J	Detected below the Reporting Limit but greater than or equal to the Method Detection Limit (MDL/LOD) or in the case of a TIC, the result is an estimated concentration.
CCV-E	The value reported is ESTIMATED. The value is estimated due to its behavior during continuing calibration verification (>20% Difference for average Rf or >20% Drift for quadratic fit).
B	Analyte is found in the associated analysis batch blank. For volatiles, methylene chloride and acetone are common lab contaminants.

Definitions and Other Explanations

*	Analyte is not certified or the state of the samples origination does not offer certification for the Analyte.
ND	NOT DETECTED - the analyte is not detected at the Reported to level (LOQ/RL or LOD/MDL)
RL	REPORTING LIMIT - the minimum reportable value based upon the lowest point in the analyte calibration curve.
LOQ	LIMIT OF QUANTITATION - the minimum concentration of a target analyte that can be reported within a specified degree of confidence. This is the lowest point in an analyte calibration curve that has been subjected to all steps of the processing/analysis and verified to meet defined criteria. This is based upon NELAC 2009 Standards and applies to all analyses.
LOD	LIMIT OF DETECTION - a verified estimate of the minimum concentration of a substance in a given matrix that an analytical process can reliably detect. This is based upon NELAC 2009 Standards and applies to all analyses conducted under the auspices of EPA SW-846.
MDL	METHOD DETECTION LIMIT - a statistically derived estimate of the minimum amount of a substance an analytical system can reliably detect with a 99% confidence that the concentration of the substance is greater than zero. This is based upon 40 CFR Part 136 Appendix B and applies only to EPA 600 and 200 series methods.
Reported to	This indicates that the data for a particular analysis is reported to either the LOD/MDL, or the LOQ/RL. In cases where the "Reported to" is located above the LOD/MDL, any value between this and the LOQ represents an estimated value which is "J" flagged accordingly. This applies to volatile and semi-volatile target compounds only.
NR	Not reported
RPD	Relative Percent Difference
Wet	The data has been reported on an as-received (wet weight) basis
Low Bias	Low Bias flag indicates that the recovery of the flagged analyte is below the laboratory or regulatory lower control limit. The data user should take note that this analyte may be biased low but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
High Bias	High Bias flag indicates that the recovery of the flagged analyte is above the laboratory or regulatory upper control limit. The data user should take note that this analyte may be biased high but should evaluate multiple lines of evidence including the LCS and site-specific MS/MSD data to draw bias conclusions. In cases where no site-specific MS/MSD was requested, only the LCS data can be used to evaluate such bias.
Non-Dir.	Non-dir. flag (Non-Directional Bias) indicates that the Relative Percent Difference (RPD) (a measure of precision) among the MS and MSD data is outside the laboratory or regulatory control limit. This alerts the data user where the MS and MSD are from site-specific samples that the RPD is high due to either non-homogeneous distribution of target analyte between the MS/MSD or indicates poor reproducibility for other reasons.

If EPA SW-846 method 8270 is included herein it is noted that the target compound N-nitrosodiphenylamine (NDPA) decomposes in the gas chromatographic inlet and cannot be separated from diphenylamine (DPA). These results could actually represent 100% DPA, 100% NDPA or some combination of the two. For this reason, York reports the combined result for n-nitrosodiphenylamine and diphenylamine for either of these compounds as a combined concentration as Diphenylamine.

If Total PCBs are detected and the target aroclors reported are "Not detected", the Total PCB value is reported due to the presence of either or both Aroclors 1262 and 1268 which are non-target aroclors for some regulatory lists.

2-chloroethylvinyl ether readily breaks down under acidic conditions. Samples that are acid preserved, including standards will exhibit breakdown. The data user should take note.

Certification for pH is no longer offered by NYDOH ELAP.

Semi-Volatile and Volatile analyses are reported down to the LOD/MDL, with values between the LOD/MDL and the LOQ being "J" flagged as estimated results.

For analyses by EPA SW-846-8270D, the Limit of Quantitation (LOQ) reported for benzidine is based upon the lowest standard used for calibration and is not a verified LOQ due to this compound's propensity for oxidative losses during extraction/concentration procedures and non-reproducible chromatographic performance.

Laboratory Chain-of-Custody Record

York Project (SDG) No.: 20L0374

Samples Received: 12/07/2020 16:50 **By:** Kristina M. Blocker **Logged In:** 12/07/2020 12:48 **By:** Terri Gale

Sample Conditions:

- [X] Custody Seals
- [X] Containers Intact
- [X] COC/Labels Agree
- [X] Preservation Confirmed
- [X] Cooler Temperature Confirmed
- [ ] COC Complete
- [X] Chain of Custody Form Received
- [X] Appropriate Sample Volumes Received
- [X] Appropriate Sample Containers Submitted
- [X] Samples Submitted within Holding Times
- [ ] Corrective Action Form Required

Preparation Chain-of-Custody

Sample ID	Reason Prep	Prep Start Date	Prep End Date	Prep Analyst
20L0374-01	EPA 5030B	12/09/2020 6:47	12/09/2020 6:47	Kerun Hardeo
20L0374-02	EPA 5030B	12/09/2020 6:47	12/09/2020 6:47	Kerun Hardeo
20L0374-03	EPA 5030B	12/09/2020 6:47	12/09/2020 6:47	Kerun Hardeo
20L0374-04	EPA 5030B	12/09/2020 6:47	12/09/2020 6:47	Kerun Hardeo
20L0374-05	EPA 5030B	12/09/2020 6:47	12/09/2020 6:47	Kerun Hardeo
20L0374-06	EPA 5030B	12/09/2020 6:47	12/09/2020 6:47	Moira Delaney
20L0374-07	EPA 5030B	12/09/2020 6:47	12/09/2020 6:47	Moira Delaney
20L0374-08	EPA 5030B	12/09/2020 6:47	12/09/2020 6:47	Moira Delaney

Analysis Chain-of-Custody

Sample ID	Reason Analysis	Analysis Start Date	Analysis End Date	Analyst
20L0374-01	Volatile Organics, 8260 - Comprehens	12/09/2020 6:47	12/09/2020 18:11	Taylor M. Pasquence
20L0374-02	Volatile Organics, 8260 - Comprehens	12/09/2020 6:47	12/09/2020 18:37	Taylor M. Pasquence
20L0374-03	Volatile Organics, 8260 - Comprehens	12/09/2020 6:47	12/09/2020 19:04	Taylor M. Pasquence
20L0374-04	Volatile Organics, 8260 - Comprehens	12/09/2020 6:47	12/09/2020 19:30	Taylor M. Pasquence
20L0374-05	Volatile Organics, 8260 - Comprehens	12/09/2020 6:47	12/09/2020 19:56	Taylor M. Pasquence
20L0374-06	Volatile Organics, 8260 - Comprehens	12/09/2020 6:47	12/09/2020 16:01	Taylor M. Pasquence
20L0374-07	Volatile Organics, 8260 - Comprehens	12/09/2020 6:47	12/09/2020 14:43	Taylor M. Pasquence
20L0374-08	Volatile Organics, 8260 - Comprehens	12/09/2020 6:47	12/09/2020 15:09	Taylor M. Pasquence

York Analytical Laboratories, Inc.
120 Research Drive, Stratford, CT 06615
132-02 89th Ave, Queens, NY 11418
clientservices@yorklab.com
www.yorklab.com

Field Chain-of-Custody Record

NOTE: YORK's Standard Terms & Conditions are listed on the back side of this document.
This document serves as your written authorization for YORK to proceed with the analyses requested below.
Your signature binds you to YORK's Standard Terms & Conditions.

YORK Project No. 20L0374

YOUR Information	Report To:	Invoice To:
Company: Walden Env. Engineering	Company: SAME	Company: SAME
Address: 16 Spring Street Oyster Bay, NY 11771	Address:	Address:
Phone.: 516-624-7200	Phone.:	Phone.:
Contact: Nora Brew	Contact:	Contact:
E-mail: nbrewe walden-associates.com	E-mail:	E-mail:

YOUR Project Number: IMPL0115.6

YOUR Project Name: 218 Lakeville

YOUR PO#: IMPL0115.6

Turn-Around Time
- RUSH - Next Day
- RUSH - Two Day
- RUSH - Three Day
- RUSH - Four Day
- **Standard (5-7 Day)** (circled)

Please print clearly and legibly. All information must be complete. Samples will not be logged in and the turn-around-time clock will not begin until any questions by YORK are resolved.

Samples Collected by: (print your name above and sign below)
Jessica Bluth
Jessica

Matrix Codes
S - soil / solid
GW - groundwater
DW - drinking water
WW - wastewater
O - Oil | Other

Samples From
New York (circled)
New Jersey
Connecticut
Pennsylvania
Other

Report / EDD Type (circle selections)

Summary Report (circled)	CT RCP	Standard Excel EDD (circled)
QA Report	CT RCP DQA/DUE	EQuIS (Standard)
NY ASP A Package	NJDEP Reduced Deliverables	NYSDEC EQuIS
NY ASP B Package		NJDEP SRP HazSite
	NJDKQP	Other:

YORK Reg. Comp.
Compared to the following Regulation(s): (please fill in)

Sample Identification	Sample Matrix	Date/Time Sampled	Analysis Requested	Container Description
PW-1-L	GW	12/2/20 1045	VOCs via 8260	(3) 40-mL VOAs
PW-1-U	GW	1120		
PW-2-L	GW	1215		
PW-2-U	GW	1240		
PW-3-L	GW	1310		
PW-3-U	GW	1330		
PW-4-L	GW	1350		
PW-4-U	GW	1415		

Comments:

Preservation: (check all that apply)
HCl ___ MeOH ___ HNO_3 ___ H_2SO_4 ___ NaOH ___ ZnAc ___
Ascorbic Acid ___ Other: NONE

Special Instruction
Field Filtered ____
Lab to Filter ____

Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time
Dominick Rg/Walden	12/7/20 1030am	KBuchyork	12/7/20 1030AM	KBuchyork	12/7/20 1650
Samples Received by / Company	Date/Time	Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time
Samples Relinquished by / Company	Date/Time	Samples Received by / Company	Date/Time	Samples Received in LAB by	Date/Time / Temp. Received at Lab
				KBlocken	12/7/20 1650 / 1.4 Degrees C

York Analytical Laboratories, Inc.
SDG: 20L0374
CLASS: VOA
METHOD: EPA 8260C

DATA PACKAGE COVER PAGE

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville

Client Sample Id:	Lab Sample Id:
PW-1-L	20L0374-01
PW-1-U	20L0374-02
PW-2-L	20L0374-03
PW-2-U	20L0374-04
PW-3-L	20L0374-05
PW-3-U	20L0374-06
PW-4-L	20L0374-07
PW-4-U	20L0374-08

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed in the project narrative. Release of the data contained in this hardcopy data package and in computer-readable data submitted on diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by

Signature: 
Name: Benjamin Gulizia

Date: 3/10/2021
Title: Laboratory Director

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Sequence: Y0L0933 Instrument: QVOA9

Calibration: YJ00026

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BL00509-BS1)			Lab File ID: QV915514.D		Analyzed: 12/09/20 09:58			
SURR: 1,2-Dichloroethane-d4	10.0	99.1	69 - 130	5.432	5.432556	-0.0006	+/-1.00	
SURR: Toluene-d8	10.0	92.0	81 - 117	7.289	7.290222	-0.0012	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	93.1	79 - 122	10.079	10.082	-0.0030	+/-1.00	
LCS Dup (BL00509-BSD1)			Lab File ID: QV915515.D		Analyzed: 12/09/20 10:24			
SURR: 1,2-Dichloroethane-d4	10.0	106	69 - 130	5.43	5.432556	-0.0026	+/-1.00	
SURR: Toluene-d8	10.0	89.5	81 - 117	7.289	7.290222	-0.0012	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	88.3	79 - 122	10.085	10.082	0.0030	+/-1.00	
Blank (BL00509-BLK1)			Lab File ID: QV915517.D		Analyzed: 12/09/20 11:16			
SURR: 1,2-Dichloroethane-d4	10.0	106	69 - 130	5.435	5.432556	0.0024	+/-1.00	
SURR: Toluene-d8	10.0	90.9	81 - 117	7.289	7.290222	-0.0012	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	89.9	79 - 122	10.082	10.082	0.0000	+/-1.00	
PW-4-L (20L0374-07)			Lab File ID: QV915524.D		Analyzed: 12/09/20 14:43			
SURR: 1,2-Dichloroethane-d4	10.0	110	69 - 130	5.433	5.432556	0.0004	+/-1.00	
SURR: Toluene-d8	10.0	90.5	81 - 117	7.29	7.290222	-0.0002	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	87.4	79 - 122	10.082	10.082	0.0000	+/-1.00	
PW-4-U (20L0374-08)			Lab File ID: QV915525.D		Analyzed: 12/09/20 15:09			
SURR: 1,2-Dichloroethane-d4	10.0	110	69 - 130	5.432	5.432556	-0.0006	+/-1.00	
SURR: Toluene-d8	10.0	90.6	81 - 117	7.289	7.290222	-0.0012	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	89.8	79 - 122	10.082	10.082	0.0000	+/-1.00	
PW-3-U (20L0374-06)			Lab File ID: QV915527.D		Analyzed: 12/09/20 16:01			
SURR: 1,2-Dichloroethane-d4	10.0	110	69 - 130	5.432	5.432556	-0.0006	+/-1.00	
SURR: Toluene-d8	10.0	90.2	81 - 117	7.292	7.290222	0.0018	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	86.0	79 - 122	10.085	10.082	0.0030	+/-1.00	

FORM II **SURROGATE STANDARD RECOVERY AND RT SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Sequence: Y0L0937 Instrument: QVOA6

Calibration: YL00001

Surrogate Compound	Spike Level ug/L	% Recovery	Recovery Limits	RT	Calibration Mean RT	RT Diff	RT Diff Limit	Q
LCS (BL00510-BS1)			Lab File ID: QV621634.D		Analyzed: 12/09/20 10:03			
SURR: 1,2-Dichloroethane-d4	10.0	96.5	69 - 130	5.408	5.389	0.0190	+/-1.00	
SURR: Toluene-d8	10.0	96.4	81 - 117	7.249	7.230333	0.0187	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	104	79 - 122	10.035	10.01833	0.0167	+/-1.00	
LCS Dup (BL00510-BSD1)			Lab File ID: QV621635.D		Analyzed: 12/09/20 10:29			
SURR: 1,2-Dichloroethane-d4	10.0	95.4	69 - 130	5.408	5.389	0.0190	+/-1.00	
SURR: Toluene-d8	10.0	96.2	81 - 117	7.249	7.230333	0.0187	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	106	79 - 122	10.037	10.01833	0.0187	+/-1.00	
Blank (BL00510-BLK1)			Lab File ID: QV621637.D		Analyzed: 12/09/20 11:22			
SURR: 1,2-Dichloroethane-d4	10.0	98.7	69 - 130	5.408	5.389	0.0190	+/-1.00	
SURR: Toluene-d8	10.0	95.6	81 - 117	7.25	7.230333	0.0197	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	106	79 - 122	10.037	10.01833	0.0187	+/-1.00	
PW-1-L (20L0374-01)			Lab File ID: QV621652.D		Analyzed: 12/09/20 18:11			
SURR: 1,2-Dichloroethane-d4	10.0	97.1	69 - 130	5.408	5.389	0.0190	+/-1.00	
SURR: Toluene-d8	10.0	94.7	81 - 117	7.249	7.230333	0.0187	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	105	79 - 122	10.037	10.01833	0.0187	+/-1.00	
PW-1-U (20L0374-02)			Lab File ID: QV621653.D		Analyzed: 12/09/20 18:37			
SURR: 1,2-Dichloroethane-d4	10.0	97.1	69 - 130	5.41	5.389	0.0210	+/-1.00	
SURR: Toluene-d8	10.0	95.3	81 - 117	7.25	7.230333	0.0197	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	104	79 - 122	10.037	10.01833	0.0187	+/-1.00	
PW-2-L (20L0374-03)			Lab File ID: QV621654.D		Analyzed: 12/09/20 19:04			
SURR: 1,2-Dichloroethane-d4	10.0	96.0	69 - 130	5.407	5.389	0.0180	+/-1.00	
SURR: Toluene-d8	10.0	95.1	81 - 117	7.249	7.230333	0.0187	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	105	79 - 122	10.037	10.01833	0.0187	+/-1.00	
PW-2-U (20L0374-04)			Lab File ID: QV621655.D		Analyzed: 12/09/20 19:30			
SURR: 1,2-Dichloroethane-d4	10.0	97.5	69 - 130	5.408	5.389	0.0190	+/-1.00	
SURR: Toluene-d8	10.0	94.9	81 - 117	7.249	7.230333	0.0187	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	105	79 - 122	10.037	10.01833	0.0187	+/-1.00	
PW-3-L (20L0374-05)			Lab File ID: QV621656.D		Analyzed: 12/09/20 19:56			
SURR: 1,2-Dichloroethane-d4	10.0	97.2	69 - 130	5.408	5.389	0.0190	+/-1.00	
SURR: Toluene-d8	10.0	94.9	81 - 117	7.249	7.230333	0.0187	+/-1.00	
SURR: p-Bromofluorobenzene	10.0	105	79 - 122	10.037	10.01833	0.0187	+/-1.00	

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Matrix:	Water		
Batch:	BL00509	Laboratory ID:	BL00509-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.2	92.3	82 - 126
1,1,1-Trichloroethane	10.0	11	109	78 - 136
1,1,2,2-Tetrachloroethane	10.0	8.1	80.6	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	12	116	54 - 165
1,1,2-Trichloroethane	10.0	8.5	85.4	82 - 123
1,1-Dichloroethane	10.0	9.3	92.9	82 - 129
1,1-Dichloroethylene	10.0	10	100	68 - 138
1,2,3-Trichlorobenzene	10.0	8.2	81.6	40 - 130
1,2,3-Trichloropropane	10.0	8.7	87.3	77 - 128
1,2,4-Trichlorobenzene	10.0	8.8	87.8	65 - 137
1,2,4-Trimethylbenzene	10.0	8.6	85.5	82 - 132
1,2-Dibromo-3-chloropropane	10.0	7.5	74.6	45 - 147
1,2-Dibromoethane	10.0	8.8	88.3	83 - 124
1,2-Dichlorobenzene	10.0	9.1	91.3	79 - 123
1,2-Dichloroethane	10.0	9.8	97.5	73 - 132
1,2-Dichloropropane	10.0	8.0	79.8	78 - 126
1,3,5-Trimethylbenzene	10.0	8.7	87.2	80 - 131
1,3-Dichlorobenzene	10.0	9.2	92.0	86 - 130
1,4-Dichlorobenzene	10.0	9.2	92.4	85 - 130
1,4-Dioxane	210	170	82.6	10 - 349
2-Butanone	10.0	10	101	49 - 152
2-Hexanone	10.0	6.2	62.2	51 - 146
4-Methyl-2-pentanone	10.0	6.3	63.1	57 - 145
Acetone	10.0	8.5	85.2	14 - 150
Acrolein	10.0	6.3	62.9	10 - 153
Acrylonitrile	10.0	9.5	94.8	51 - 150
Benzene	10.0	10	101	85 - 126
Bromochloromethane	10.0	9.1	91.3	77 - 128
Bromodichloromethane	10.0	8.5	85.1	79 - 128
Bromoform	10.0	9.2	91.5	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Matrix:	Water		
Batch:	BL00509	Laboratory ID:	BL00509-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	16	160	43 - 168
Carbon disulfide	10.0	11	106	68 - 146
Carbon tetrachloride	10.0	10	104	77 - 141
Chlorobenzene	10.0	9.1	90.7	88 - 120
Chloroethane	10.0	9.7	97.2	65 - 136
Chloroform	10.0	10	104	82 - 128
Chloromethane	10.0	7.1	71.2	43 - 155
cis-1,2-Dichloroethylene	10.0	9.4	94.1	83 - 129
cis-1,3-Dichloropropylene	10.0	8.2	81.7	80 - 131
Cyclohexane	10.0	8.4	84.3	63 - 149
Dibromochloromethane	10.0	9.3	92.9	80 - 130
Dibromomethane	10.0	8.5	85.1	72 - 134
Dichlorodifluoromethane	10.0	13	125	44 - 144
Ethyl Benzene	10.0	8.8	88.0	80 - 131
Hexachlorobutadiene	10.0	8.2	81.8	67 - 146
Isopropylbenzene	10.0	8.6	85.7	76 - 140
Methyl acetate	10.0	7.6	76.5	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	9.8	97.8	76 - 135
Methylcyclohexane	10.0	9.8	97.7	72 - 143
Methylene chloride	10.0	9.2	92.1	55 - 137
n-Butylbenzene	10.0	8.6	86.1	79 - 132
n-Propylbenzene	10.0	8.3	83.0	78 - 133
o-Xylene	10.0	8.7	87.0	78 - 130
p- & m- Xylenes	20.0	18	89.2	77 - 133
p-Isopropyltoluene	10.0	8.9	89.4	81 - 136
sec-Butylbenzene	10.0	9.0	90.3	79 - 137
Styrene	10.0	9.1	91.2	67 - 132
tert-Butyl alcohol (TBA)	50.0	35	70.2	25 - 162
tert-Butylbenzene	10.0	7.7	76.8 *	77 - 138
Tetrachloroethylene	10.0	9.5	94.6	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Matrix:	Water		
Batch:	BL00509	Laboratory ID:	BL00509-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	10.0	8.7	86.8	80 - 127
trans-1,2-Dichloroethylene	10.0	10	102	80 - 132
trans-1,3-Dichloropropylene	10.0	7.7	77.2 *	78 - 131
trans-1,4-dichloro-2-butene	10.0	6.9	69.0	63 - 141
Trichloroethylene	10.0	8.8	88.1	82 - 128
Trichlorofluoromethane	10.0	11	109	67 - 139
Vinyl Chloride	10.0	10	100	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville
Matrix: Water
Batch: BL00509
Laboratory ID: BL00509-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.5	95.4		3.30	30	82 - 126
1,1,1-Trichloroethane	10.0	10	104		3.94	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	8.4	84.4		4.61	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	11	112		3.86	30	54 - 165
1,1,2-Trichloroethane	10.0	9.1	91.4		6.79	30	82 - 123
1,1-Dichloroethane	10.0	9.3	93.0		0.108	30	82 - 129
1,1-Dichloroethylene	10.0	9.6	96.3		3.97	30	68 - 138
1,2,3-Trichlorobenzene	10.0	8.8	88.2		7.77	30	40 - 130
1,2,3-Trichloropropane	10.0	8.5	85.0		2.67	30	77 - 128
1,2,4-Trichlorobenzene	10.0	9.0	89.6		2.03	30	65 - 137
1,2,4-Trimethylbenzene	10.0	8.1	80.6	*	5.90	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	7.5	74.8		0.268	30	45 - 147
1,2-Dibromoethane	10.0	9.6	96.5		8.87	30	83 - 124
1,2-Dichlorobenzene	10.0	8.8	87.8		3.91	30	79 - 123
1,2-Dichloroethane	10.0	10	104		6.74	30	73 - 132
1,2-Dichloropropane	10.0	8.0	79.9		0.125	30	78 - 126
1,3,5-Trimethylbenzene	10.0	8.1	80.9		7.50	30	80 - 131
1,3-Dichlorobenzene	10.0	8.6	86.1		6.63	30	86 - 130
1,4-Dichlorobenzene	10.0	8.6	85.8		7.41	30	85 - 130
1,4-Dioxane	210	210	100		19.3	30	10 - 349
2-Butanone	10.0	12	115		13.1	30	49 - 152
2-Hexanone	10.0	7.4	73.8		17.1	30	51 - 146
4-Methyl-2-pentanone	10.0	7.6	76.4		19.1	30	57 - 145
Acetone	10.0	10	100		16.2	30	14 - 150
Acrolein	10.0	7.6	76.3		19.3	30	10 - 153
Acrylonitrile	10.0	10	102		6.83	30	51 - 150
Benzene	10.0	10	102		0.494	30	85 - 126
Bromochloromethane	10.0	9.8	97.8		6.87	30	77 - 128
Bromodichloromethane	10.0	8.9	89.1		4.59	30	79 - 128
Bromoform	10.0	10	102		10.6	30	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville
Matrix: Water
Batch: BL00509
Laboratory ID: BL00509-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	10.0	14	144	11.1	30	43 - 168
Carbon disulfide	10.0	10	103	2.88	30	68 - 146
Carbon tetrachloride	10.0	10	104	0.0965	30	77 - 141
Chlorobenzene	10.0	9.1	90.9	0.220	30	88 - 120
Chloroethane	10.0	9.6	96.0	1.24	30	65 - 136
Chloroform	10.0	11	106	1.24	30	82 - 128
Chloromethane	10.0	7.4	74.0	3.86	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.5	95.1	1.06	30	83 - 129
cis-1,3-Dichloropropylene	10.0	8.2	81.6	0.122	30	80 - 131
Cyclohexane	10.0	8.2	82.2	2.52	30	63 - 149
Dibromochloromethane	10.0	9.9	98.6	5.95	30	80 - 130
Dibromomethane	10.0	9.5	95.2	11.2	30	72 - 134
Dichlorodifluoromethane	10.0	12	120	4.16	30	44 - 144
Ethyl Benzene	10.0	8.7	87.3	0.799	30	80 - 131
Hexachlorobutadiene	10.0	7.3	73.2	11.1	30	67 - 146
Isopropylbenzene	10.0	7.7	76.8	11.0	30	76 - 140
Methyl acetate	10.0	9.3	92.9	19.4	30	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	11	112	13.4	30	76 - 135
Methylcyclohexane	10.0	9.6	95.6	2.17	30	72 - 143
Methylene chloride	10.0	9.6	96.1	4.25	30	55 - 137
n-Butylbenzene	10.0	8.2	82.2	4.63	30	79 - 132
n-Propylbenzene	10.0	7.6	75.9 *	8.94	30	78 - 133
o-Xylene	10.0	8.7	86.8	0.230	30	78 - 130
p- & m- Xylenes	20.0	18	87.6	1.87	30	77 - 133
p-Isopropyltoluene	10.0	8.3	83.3	7.06	30	81 - 136
sec-Butylbenzene	10.0	8.3	83.3	8.06	30	79 - 137
Styrene	10.0	9.3	92.8	1.74	30	67 - 132
tert-Butyl alcohol (TBA)	50.0	49	98.5	33.5 *	30	25 - 162
tert-Butylbenzene	10.0	7.0	70.4 *	8.70	30	77 - 138
Tetrachloroethylene	10.0	8.9	89.1	5.99	30	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Matrix:	Water		
Batch:	BL00509	Laboratory ID:	BL00509-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	10.0	8.4	84.5	2.69	30	80 - 127
trans-1,2-Dichloroethylene	10.0	10	100	1.59	30	80 - 132
trans-1,3-Dichloropropylene	10.0	8.5	84.6	9.15	30	78 - 131
trans-1,4-dichloro-2-butene	10.0	7.4	74.4	7.53	30	63 - 141
Trichloroethylene	10.0	8.7	86.8	1.49	30	82 - 128
Trichlorofluoromethane	10.0	10	104	3.94	30	67 - 139
Vinyl Chloride	10.0	9.7	96.6	3.86	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Matrix:	Water		
Batch:	BL00510	Laboratory ID:	BL00510-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	9.3	92.9	82 - 126
1,1,1-Trichloroethane	10.0	9.0	89.9	78 - 136
1,1,2,2-Tetrachloroethane	10.0	9.8	98.0	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	8.3	83.0	54 - 165
1,1,2-Trichloroethane	10.0	9.4	94.4	82 - 123
1,1-Dichloroethane	10.0	9.9	98.8	82 - 129
1,1-Dichloroethylene	10.0	9.7	97.2	68 - 138
1,2,3-Trichlorobenzene	10.0	8.4	83.6	40 - 130
1,2,3-Trichloropropane	10.0	9.5	95.3	77 - 128
1,2,4-Trichlorobenzene	10.0	8.5	85.1	65 - 137
1,2,4-Trimethylbenzene	10.0	9.4	94.3	82 - 132
1,2-Dibromo-3-chloropropane	10.0	8.6	86.0	45 - 147
1,2-Dibromoethane	10.0	9.6	96.1	83 - 124
1,2-Dichlorobenzene	10.0	9.4	94.3	79 - 123
1,2-Dichloroethane	10.0	10	102	73 - 132
1,2-Dichloropropane	10.0	9.4	93.6	78 - 126
1,3,5-Trimethylbenzene	10.0	9.3	93.1	80 - 131
1,3-Dichlorobenzene	10.0	9.0	90.4	86 - 130
1,4-Dichlorobenzene	10.0	9.3	92.9	85 - 130
1,4-Dioxane	210	190	92.0	10 - 349
2-Butanone	10.0	11	108	49 - 152
2-Hexanone	10.0	9.7	97.4	51 - 146
4-Methyl-2-pentanone	10.0	9.8	97.9	57 - 145
Acetone	10.0	8.2	82.5	14 - 150
Acrolein	10.0	5.7	57.0	10 - 153
Acrylonitrile	10.0	10	103	51 - 150
Benzene	10.0	10	101	85 - 126
Bromochloromethane	10.0	11	107	77 - 128
Bromodichloromethane	10.0	9.3	92.6	79 - 128
Bromoform	10.0	8.7	86.9	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Matrix:	Water		
Batch:	BL00510	Laboratory ID:	BL00510-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Bromomethane	10.0	6.1	61.0	43 - 168
Carbon disulfide	10.0	10	103	68 - 146
Carbon tetrachloride	10.0	8.4	84.2	77 - 141
Chlorobenzene	10.0	9.4	94.1	88 - 120
Chloroethane	10.0	9.6	96.5	65 - 136
Chloroform	10.0	9.8	98.2	82 - 128
Chloromethane	10.0	9.6	96.4	43 - 155
cis-1,2-Dichloroethylene	10.0	10	101	83 - 129
cis-1,3-Dichloropropylene	10.0	9.5	94.8	80 - 131
Cyclohexane	10.0	7.4	74.2	63 - 149
Dibromochloromethane	10.0	9.2	92.5	80 - 130
Dibromomethane	10.0	9.4	94.0	72 - 134
Dichlorodifluoromethane	10.0	7.9	79.1	44 - 144
Ethyl Benzene	10.0	9.6	95.9	80 - 131
Hexachlorobutadiene	10.0	8.3	83.4	67 - 146
Isopropylbenzene	10.0	8.8	88.4	76 - 140
Methyl acetate	10.0	9.8	98.4	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	11	106	76 - 135
Methylcyclohexane	10.0	8.5	84.7	72 - 143
Methylene chloride	10.0	11	106	55 - 137
n-Butylbenzene	10.0	9.1	91.3	79 - 132
n-Propylbenzene	10.0	9.0	89.9	78 - 133
o-Xylene	10.0	9.6	95.7	78 - 130
p- & m- Xylenes	20.0	19	96.4	77 - 133
p-Isopropyltoluene	10.0	9.0	90.0	81 - 136
sec-Butylbenzene	10.0	9.2	92.3	79 - 137
Styrene	10.0	10	101	67 - 132
tert-Butyl alcohol (TBA)	50.0	39	77.7	25 - 162
tert-Butylbenzene	10.0	7.2	71.8 *	77 - 138
Tetrachloroethylene	10.0	8.1	81.0 *	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Matrix:	Water		
Batch:	BL00510	Laboratory ID:	BL00510-BS1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCS CONCENTRATION ppb	LCS % REC. #	QC LIMITS REC.
Toluene	10.0	9.4	93.8	80 - 127
trans-1,2-Dichloroethylene	10.0	10	103	80 - 132
trans-1,3-Dichloropropylene	10.0	9.4	94.4	78 - 131
trans-1,4-dichloro-2-butene	10.0	9.4	94.3	63 - 141
Trichloroethylene	10.0	8.7	87.3	82 - 128
Trichlorofluoromethane	10.0	8.3	82.9	67 - 139
Vinyl Chloride	10.0	9.6	96.1	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville
Matrix: Water
Batch: BL00510
Laboratory ID: BL00510-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1,1,2-Tetrachloroethane	10.0	8.9	89.3	3.95	30	82 - 126
1,1,1-Trichloroethane	10.0	8.6	85.7	4.78	30	78 - 136
1,1,2,2-Tetrachloroethane	10.0	10	101	3.41	30	76 - 129
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	7.8	78.1	6.08	30	54 - 165
1,1,2-Trichloroethane	10.0	9.3	92.6	1.93	30	82 - 123
1,1-Dichloroethane	10.0	9.3	93.1	5.94	30	82 - 129
1,1-Dichloroethylene	10.0	9.1	90.8	6.81	30	68 - 138
1,2,3-Trichlorobenzene	10.0	8.8	87.8	4.90	30	40 - 130
1,2,3-Trichloropropane	10.0	9.8	97.8	2.59	30	77 - 128
1,2,4-Trichlorobenzene	10.0	8.8	87.9	3.24	30	65 - 137
1,2,4-Trimethylbenzene	10.0	9.5	94.9	0.634	30	82 - 132
1,2-Dibromo-3-chloropropane	10.0	9.0	90.4	4.99	30	45 - 147
1,2-Dibromoethane	10.0	9.4	93.7	2.53	30	83 - 124
1,2-Dichlorobenzene	10.0	9.5	95.3	1.05	30	79 - 123
1,2-Dichloroethane	10.0	10	100	1.39	30	73 - 132
1,2-Dichloropropane	10.0	9.0	89.6	4.37	30	78 - 126
1,3,5-Trimethylbenzene	10.0	9.4	93.6	0.536	30	80 - 131
1,3-Dichlorobenzene	10.0	9.1	91.0	0.662	30	86 - 130
1,4-Dichlorobenzene	10.0	9.3	92.8	0.108	30	85 - 130
1,4-Dioxane	210	200	94.6	2.84	30	10 - 349
2-Butanone	10.0	11	107	1.30	30	49 - 152
2-Hexanone	10.0	9.8	98.0	0.614	30	51 - 146
4-Methyl-2-pentanone	10.0	9.8	97.7	0.205	30	57 - 145
Acetone	10.0	8.5	85.4	3.45	30	14 - 150
Acrolein	10.0	5.9	58.9	3.28	30	10 - 153
Acrylonitrile	10.0	10	104	1.45	30	51 - 150
Benzene	10.0	9.7	97.3	3.73	30	85 - 126
Bromochloromethane	10.0	10	105	2.55	30	77 - 128
Bromodichloromethane	10.0	8.9	88.9	4.08	30	79 - 128
Bromoform	10.0	8.5	85.1	2.09	30	78 - 133

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville
Matrix: Water
Batch: BL00510
Laboratory ID: BL00510-BSD1
Preparation: EPA 5030B
Initial/Final: 25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #		% RPD #	QC LIMITS RPD	QC LIMITS REC.
Bromomethane	10.0	5.8	57.6		5.73	30	43 - 168
Carbon disulfide	10.0	9.6	96.2		6.54	30	68 - 146
Carbon tetrachloride	10.0	8.0	79.5		5.74	30	77 - 141
Chlorobenzene	10.0	9.0	89.5		5.01	30	88 - 120
Chloroethane	10.0	9.0	89.8		7.19	30	65 - 136
Chloroform	10.0	9.4	94.5		3.84	30	82 - 128
Chloromethane	10.0	9.0	89.8		7.09	30	43 - 155
cis-1,2-Dichloroethylene	10.0	9.6	95.8		4.99	30	83 - 129
cis-1,3-Dichloropropylene	10.0	9.1	91.2		3.87	30	80 - 131
Cyclohexane	10.0	7.1	70.6		4.97	30	63 - 149
Dibromochloromethane	10.0	9.0	90.1		2.63	30	80 - 130
Dibromomethane	10.0	9.1	91.0		3.24	30	72 - 134
Dichlorodifluoromethane	10.0	7.4	74.1		6.53	30	44 - 144
Ethyl Benzene	10.0	9.1	91.3		4.91	30	80 - 131
Hexachlorobutadiene	10.0	8.3	82.6		0.964	30	67 - 146
Isopropylbenzene	10.0	8.8	88.5		0.113	30	76 - 140
Methyl acetate	10.0	9.9	98.8		0.406	30	51 - 139
Methyl tert-butyl ether (MTBE)	10.0	11	105		0.568	30	76 - 135
Methylcyclohexane	10.0	8.1	81.0		4.47	30	72 - 143
Methylene chloride	10.0	10	102		3.26	30	55 - 137
n-Butylbenzene	10.0	9.4	93.7		2.59	30	79 - 132
n-Propylbenzene	10.0	9.1	90.9		1.11	30	78 - 133
o-Xylene	10.0	9.1	91.2		4.82	30	78 - 130
p- & m- Xylenes	20.0	18	91.8		4.84	30	77 - 133
p-Isopropyltoluene	10.0	9.2	91.6		1.76	30	81 - 136
sec-Butylbenzene	10.0	9.5	94.7		2.57	30	79 - 137
Styrene	10.0	9.7	96.7		4.45	30	67 - 132
tert-Butyl alcohol (TBA)	50.0	38	77.0		0.982	30	25 - 162
tert-Butylbenzene	10.0	7.3	73.2	*	1.93	30	77 - 138
Tetrachloroethylene	10.0	7.6	75.9	*	6.50	30	82 - 131

FORM III

LCS / LCS DUPLICATE RECOVERY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Matrix:	Water		
Batch:	BL00510	Laboratory ID:	BL00510-BSD1
Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL

COMPOUND	SPIKE ADDED ppb	LCSD CONCENTRATION ppb	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	10.0	8.9	88.7	5.59	30	80 - 127
trans-1,2-Dichloroethylene	10.0	9.8	97.5	5.68	30	80 - 132
trans-1,3-Dichloropropylene	10.0	9.1	91.0	3.67	30	78 - 131
trans-1,4-dichloro-2-butene	10.0	9.8	97.7	3.54	30	63 - 141
Trichloroethylene	10.0	8.3	83.1	4.93	30	82 - 128
Trichlorofluoromethane	10.0	7.7	77.0	7.38	30	67 - 139
Vinyl Chloride	10.0	8.9	89.0	7.67	30	58 - 145

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Batch: BL00509 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PW-3-U	20L0374-06	QV915527.D	12/09/20 06:47	
PW-4-L	20L0374-07	QV915524.D	12/09/20 06:47	
PW-4-U	20L0374-08	QV915525.D	12/09/20 06:47	
Blank	BL00509-BLK1	QV915517.D	12/09/20 06:47	
LCS	BL00509-BS1	QV915514.D	12/09/20 06:47	
LCS Dup	BL00509-BSD1	QV915515.D	12/09/20 06:47	

FORM IV **PREPARATION BATCH SUMMARY**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Batch: BL00510 Batch Matrix: Water Preparation: EPA 5030B

SAMPLE NAME	LAB SAMPLE ID	LAB FILE ID	DATE PREPARED	OBSERVATIONS
PW-1-L	20L0374-01	QV621652.D	12/09/20 06:47	
PW-1-U	20L0374-02	QV621653.D	12/09/20 06:47	
PW-2-L	20L0374-03	QV621654.D	12/09/20 06:47	
PW-2-U	20L0374-04	QV621655.D	12/09/20 06:47	
PW-3-L	20L0374-05	QV621656.D	12/09/20 06:47	
Blank	BL00510-BLK1	QV621637.D	12/09/20 06:47	
LCS	BL00510-BS1	QV621634.D	12/09/20 06:47	
LCS Dup	BL00510-BSD1	QV621635.D	12/09/20 06:47	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00509-BLK1	File ID:	QV915517.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:16	Instrument:	QVOA9		
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00509-BLK1	File ID:	QV915517.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:16	Instrument:	QVOA9		
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00509-BLK1	File ID:	QV915517.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:16	Instrument:	QVOA9		
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.6	106	69 - 130	
SURR: p-Bromofluorobenzene	10.0	8.99	89.9	79 - 122	
SURR: Toluene-d8	10.0	9.09	90.9	81 - 117	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	199580	11.782	216838	11.785	
ISTD: Chlorobenzene-d5	757273	8.792	766390	8.792	
ISTD: Fluorobenzene	190946	5.746	182053	5.746	

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00510-BLK1	File ID:	QV621637.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:22	Instrument:	QVOA6		
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.47	J
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00510-BLK1	File ID:	QV621637.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:22	Instrument:	QVOA6		
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00510-BLK1	File ID:	QV621637.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:22	Instrument:	QVOA6		
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.87	98.7	69 - 130	
SURR: p-Bromofluorobenzene	10.0	10.6	106	79 - 122	
SURR: Toluene-d8	10.0	9.56	95.6	81 - 117	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: 1,2-Dichlorobenzene-d4	378307	11.732	396530	11.729	
ISTD: Chlorobenzene-d5	1105415	8.752	1117859	8.749	
ISTD: Fluorobenzene	292916	5.714	295997	5.716	

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Lab File ID:	QV914771.D	Injection Date:	10/26/20
Instrument ID:	QVOA9	Injection Time:	10:19
Sequence:	Y0J2914	Lab Sample ID:	Y0J2914-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	16.4	PASS
75	30 - 60% of 95	52.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.48	PASS
173	Less than 2% of 174	1.1	PASS
174	50 - 100% of 95	66.9	PASS
175	5 - 9% of 174	7.81	PASS
176	95 - 101% of 174	96.8	PASS
177	5 - 9% of 176	7.75	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Lab File ID:	QV621343.D	Injection Date:	11/20/20
Instrument ID:	QVOA6	Injection Time:	18:34
Sequence:	Y0L0203	Lab Sample ID:	Y0L0203-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	18.7	PASS
75	30 - 60% of 95	49.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.48	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	82.1	PASS
175	5 - 9% of 174	7.89	PASS
176	95 - 101% of 174	96.5	PASS
177	5 - 9% of 176	6.76	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Lab File ID:	QV915512.D	Injection Date:	12/09/20
Instrument ID:	QVOA9	Injection Time:	08:58
Sequence:	Y0L0933	Lab Sample ID:	Y0L0933-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	15.6	PASS
75	30 - 60% of 95	52.6	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.68	PASS
173	Less than 2% of 174	1.04	PASS
174	50 - 100% of 95	78.1	PASS
175	5 - 9% of 174	7.93	PASS
176	95 - 101% of 174	97.9	PASS
177	5 - 9% of 176	6.97	PASS

FORM V MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Lab File ID:	QV621632.D	Injection Date:	12/09/20
Instrument ID:	QVOA6	Injection Time:	09:03
Sequence:	Y0L0937	Lab Sample ID:	Y0L0937-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	19.3	PASS
75	30 - 60% of 95	50.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.64	PASS
173	Less than 2% of 174	0	PASS
174	50 - 100% of 95	80.8	PASS
175	5 - 9% of 174	7.67	PASS
176	95 - 101% of 174	97.2	PASS
177	5 - 9% of 176	6.46	PASS

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Sequence:	Y0J2914	Instrument:	QVOA9
		Calibration:	YJ00026

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0J2914-TUN1	QV914771.D	10/26/20 10:19
Cal Standard	Y0J2914-CAL1	QV914774.D	10/26/20 11:41
Cal Standard	Y0J2914-CAL2	QV914775.D	10/26/20 12:06
Cal Standard	Y0J2914-CAL4	QV914777.D	10/26/20 12:58
Cal Standard	Y0J2914-CAL5	QV914778.D	10/26/20 13:24
Cal Standard	Y0J2914-CAL6	QV914779.D	10/26/20 13:50
Cal Standard	Y0J2914-CAL7	QV914780.D	10/26/20 14:16
Cal Standard	Y0J2914-CAL8	QV914781.D	10/26/20 14:41
Cal Standard	Y0J2914-CAL9	QV914784.D	10/26/20 15:59
Cal Standard	Y0J2914-CAL3	QV914786.D	10/26/20 16:58
Secondary Cal Check	Y0J2914-SCV1	QV914790.D	10/26/20 18:42

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Sequence:	Y0L0203	Instrument:	QVOA6
		Calibration:	YL00001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0L0203-TUN1	QV621343.D	11/20/20 18:34
Cal Standard	Y0L0203-CAL1	QV621345.D	11/20/20 19:26
Cal Standard	Y0L0203-CAL2	QV621346.D	11/20/20 19:52
Cal Standard	Y0L0203-CAL3	QV621347.D	11/20/20 20:19
Cal Standard	Y0L0203-CAL4	QV621348.D	11/20/20 20:45
Cal Standard	Y0L0203-CAL5	QV621349.D	11/20/20 21:11
Cal Standard	Y0L0203-CAL6	QV621350.D	11/20/20 21:37
Cal Standard	Y0L0203-CAL7	QV621351.D	11/20/20 22:04
Cal Standard	Y0L0203-CAL8	QV621352.D	11/20/20 22:30
Cal Standard	Y0L0203-CAL9	QV621353.D	11/20/20 22:56
Secondary Cal Check	Y0L0203-SCV1	QV621356.D	11/21/20 00:15

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Sequence:	Y0L0933	Instrument:	QVOA9
		Calibration:	YJ00026

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0L0933-TUN1	QV915512.D	12/09/20 08:58
Calibration Check	Y0L0933-CCV1	QV915513.D	12/09/20 09:24
LCS	BL00509-BS1	QV915514.D	12/09/20 09:58
LCS Dup	BL00509-BSD1	QV915515.D	12/09/20 10:24
Blank	BL00509-BLK1	QV915517.D	12/09/20 11:16
PW-4-L	20L0374-07	QV915524.D	12/09/20 14:43
PW-4-U	20L0374-08	QV915525.D	12/09/20 15:09
PW-3-U	20L0374-06	QV915527.D	12/09/20 16:01

FORM V

ANALYSIS BATCH (SEQUENCE) SUMMARY

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Sequence:	Y0L0937	Instrument:	QVOA6
		Calibration:	YL00001

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	Y0L0937-TUN1	QV621632.D	12/09/20 09:03
Calibration Check	Y0L0937-CCV1	QV621633.D	12/09/20 09:29
LCS	BL00510-BS1	QV621634.D	12/09/20 10:03
LCS Dup	BL00510-BSD1	QV621635.D	12/09/20 10:29
Blank	BL00510-BLK1	QV621637.D	12/09/20 11:22
PW-1-L	20L0374-01	QV621652.D	12/09/20 18:11
PW-1-U	20L0374-02	QV621653.D	12/09/20 18:37
PW-2-L	20L0374-03	QV621654.D	12/09/20 19:04
PW-2-U	20L0374-04	QV621655.D	12/09/20 19:30
PW-3-L	20L0374-05	QV621656.D	12/09/20 19:56

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374
Client: Walden Associates Project: IMPL0115.6 218 Lakeville
Sequence: Y0J2914 Instrument: QVOA9
Calibration: YJ00026

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (Y0J2914-CAL1)			Lab File ID: QV914774.D			Analyzed: 10/26/20 11:41			
ISTD: Fluorobenzene	270804	5.749	265787	5.746	102	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	869347	8.792	868946	8.795	100	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	194690	11.779	204027	11.782	95	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0J2914-CAL2)			Lab File ID: QV914775.D			Analyzed: 10/26/20 12:06			
ISTD: Fluorobenzene	266150	5.749	265787	5.746	100	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	877718	8.792	868946	8.795	101	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	207516	11.779	204027	11.782	102	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0J2914-CAL4)			Lab File ID: QV914777.D			Analyzed: 10/26/20 12:58			
ISTD: Fluorobenzene	265787	5.746	265787	5.746	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	868946	8.795	868946	8.795	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	204027	11.782	204027	11.782	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0J2914-CAL5)			Lab File ID: QV914778.D			Analyzed: 10/26/20 13:24			
ISTD: Fluorobenzene	270941	5.746	265787	5.746	102	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	877800	8.792	868946	8.795	101	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	203009	11.782	204027	11.782	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0J2914-CAL6)			Lab File ID: QV914779.D			Analyzed: 10/26/20 13:50			
ISTD: Fluorobenzene	265585	5.746	265787	5.746	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	861143	8.795	868946	8.795	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	205711	11.779	204027	11.782	101	50 - 200	-0.0030	+/-0.17	
Cal Standard (Y0J2914-CAL7)			Lab File ID: QV914780.D			Analyzed: 10/26/20 14:16			
ISTD: Fluorobenzene	265697	5.752	265787	5.746	100	50 - 200	0.0060	+/-0.17	
ISTD: Chlorobenzene-d5	871320	8.792	868946	8.795	100	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	214067	11.782	204027	11.782	105	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0J2914-CAL8)			Lab File ID: QV914781.D			Analyzed: 10/26/20 14:41			
ISTD: Fluorobenzene	275843	5.746	265787	5.746	104	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	908599	8.795	868946	8.795	105	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	218402	11.785	204027	11.782	107	50 - 200	0.0030	+/-0.17	
Cal Standard (Y0J2914-CAL9)			Lab File ID: QV914784.D			Analyzed: 10/26/20 15:59			
ISTD: Fluorobenzene	265787	5.749	265787	5.746	100	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	898858	8.795	868946	8.795	103	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	223052	11.788	204027	11.782	109	50 - 200	0.0060	+/-0.17	
Cal Standard (Y0J2914-CAL3)			Lab File ID: QV914786.D			Analyzed: 10/26/20 16:58			
ISTD: Fluorobenzene	298317	5.749	265787	5.746	112	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1029500	8.792	868946	8.795	118	50 - 200	-0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	279383	11.779	204027	11.782	137	50 - 200	-0.0030	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville
Sequence: Y0J2914
Instrument: QVOA9
Calibration: YJ00026

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (Y0J2914-SCV1)			Lab File ID: QV914790.D			Analyzed: 10/26/20 18:42			
ISTD: Fluorobenzene	281389	5.749	265787	5.746	106	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	939328	8.795	868946	8.795	108	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	246250	11.782	204027	11.782	121	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374
Client: Walden Associates Project: IMPL0115.6 218 Lakeville
Sequence: Y0L0203 Instrument: QVOA6
Calibration: YL00001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Cal Standard (Y0L0203-CAL1)			Lab File ID: QV621345.D			Analyzed: 11/20/20 19:26			
ISTD: Fluorobenzene	320164	5.694	326334	5.694	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1113320	8.73	1147974	8.732	97	50 - 200	-0.0020	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	396650	11.709	411804	11.709	96	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0L0203-CAL2)			Lab File ID: QV621346.D			Analyzed: 11/20/20 19:52			
ISTD: Fluorobenzene	320953	5.694	326334	5.694	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1129455	8.73	1147974	8.732	98	50 - 200	-0.0020	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	411215	11.709	411804	11.709	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0L0203-CAL3)			Lab File ID: QV621347.D			Analyzed: 11/20/20 20:19			
ISTD: Fluorobenzene	326717	5.697	326334	5.694	100	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1137798	8.73	1147974	8.732	99	50 - 200	-0.0020	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	416285	11.709	411804	11.709	101	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0L0203-CAL4)			Lab File ID: QV621348.D			Analyzed: 11/20/20 20:45			
ISTD: Fluorobenzene	326334	5.694	326334	5.694	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1147974	8.732	1147974	8.732	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	411804	11.709	411804	11.709	100	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0L0203-CAL5)			Lab File ID: QV621349.D			Analyzed: 11/20/20 21:11			
ISTD: Fluorobenzene	328970	5.694	326334	5.694	101	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1161530	8.73	1147974	8.732	101	50 - 200	-0.0020	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	419749	11.712	411804	11.709	102	50 - 200	0.0030	+/-0.17	
Cal Standard (Y0L0203-CAL6)			Lab File ID: QV621350.D			Analyzed: 11/20/20 21:37			
ISTD: Fluorobenzene	336016	5.694	326334	5.694	103	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1157079	8.73	1147974	8.732	101	50 - 200	-0.0020	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	408939	11.712	411804	11.709	99	50 - 200	0.0030	+/-0.17	
Cal Standard (Y0L0203-CAL7)			Lab File ID: QV621351.D			Analyzed: 11/20/20 22:04			
ISTD: Fluorobenzene	349657	5.697	326334	5.694	107	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1156767	8.732	1147974	8.732	101	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	395018	11.709	411804	11.709	96	50 - 200	0.0000	+/-0.17	
Cal Standard (Y0L0203-CAL8)			Lab File ID: QV621352.D			Analyzed: 11/20/20 22:30			
ISTD: Fluorobenzene	356650	5.697	326334	5.694	109	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1135817	8.732	1147974	8.732	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	380212	11.712	411804	11.709	92	50 - 200	0.0030	+/-0.17	
Cal Standard (Y0L0203-CAL9)			Lab File ID: QV621353.D			Analyzed: 11/20/20 22:56			
ISTD: Fluorobenzene	361089	5.697	326334	5.694	111	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1108891	8.735	1147974	8.732	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	361025	11.715	411804	11.709	88	50 - 200	0.0060	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374
Client: Walden Associates Project: IMPL0115.6 218 Lakeville
Sequence: Y0L0203 Instrument: QVOA6
Calibration: YL00001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Secondary Cal Check (Y0L0203-SCV1)			Lab File ID: QV621356.D			Analyzed: 11/21/20 00:15			
ISTD: Fluorobenzene	329321	5.697	326334	5.694	101	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1156275	8.732	1147974	8.732	101	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	415431	11.709	411804	11.709	101	50 - 200	0.0000	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374
Client: Walden Associates Project: IMPL0115.6 218 Lakeville
Sequence: Y0L0933 Instrument: QVOA9
Calibration: YJ00026

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0L0933-CCV1)			Lab File ID: QV915513.D			Analyzed: 12/09/20 09:24			
ISTD: Fluorobenzene	182053	5.746				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	766390	8.792				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	216838	11.785				50 - 200		+/-0.17	
LCS (BL00509-BS1)			Lab File ID: QV915514.D			Analyzed: 12/09/20 09:58			
ISTD: Fluorobenzene	197462	5.746	182053	5.746	108	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	777963	8.795	766390	8.792	102	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	193523	11.779	216838	11.785	89	50 - 200	-0.0060	+/-0.17	
LCS Dup (BL00509-BSD1)			Lab File ID: QV915515.D			Analyzed: 12/09/20 10:24			
ISTD: Fluorobenzene	194706	5.749	182053	5.746	107	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	773674	8.792	766390	8.792	101	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	209760	11.782	216838	11.785	97	50 - 200	-0.0030	+/-0.17	
Blank (BL00509-BLK1)			Lab File ID: QV915517.D			Analyzed: 12/09/20 11:16			
ISTD: Fluorobenzene	190946	5.746	182053	5.746	105	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	757273	8.792	766390	8.792	99	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	199580	11.782	216838	11.785	92	50 - 200	-0.0030	+/-0.17	
PW-4-L (20L0374-07)			Lab File ID: QV915524.D			Analyzed: 12/09/20 14:43			
ISTD: Fluorobenzene	183730	5.749	182053	5.746	101	50 - 200	0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	735894	8.795	766390	8.792	96	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	203230	11.779	216838	11.785	94	50 - 200	-0.0060	+/-0.17	
PW-4-U (20L0374-08)			Lab File ID: QV915525.D			Analyzed: 12/09/20 15:09			
ISTD: Fluorobenzene	182480	5.746	182053	5.746	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	728531	8.792	766390	8.792	95	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	197646	11.779	216838	11.785	91	50 - 200	-0.0060	+/-0.17	
PW-3-U (20L0374-06)			Lab File ID: QV915527.D			Analyzed: 12/09/20 16:01			
ISTD: Fluorobenzene	177526	5.752	182053	5.746	98	50 - 200	0.0060	+/-0.17	
ISTD: Chlorobenzene-d5	745309	8.795	766390	8.792	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	204289	11.779	216838	11.785	94	50 - 200	-0.0060	+/-0.17	

FORM VIII **INTERNAL STANDARD AREA AND RT SUMMARY**
EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374
Client: Walden Associates Project: IMPL0115.6 218 Lakeville
Sequence: Y0L0937 Instrument: QVOA6
Calibration: YL00001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (Y0L0937-CCV1)			Lab File ID: QV621633.D			Analyzed: 12/09/20 09:29			
ISTD: Fluorobenzene	295997	5.716				50 - 200		+/-0.17	
ISTD: Chlorobenzene-d5	1117859	8.749				50 - 200		+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	396530	11.729				50 - 200		+/-0.17	
LCS (BL00510-BS1)			Lab File ID: QV621634.D			Analyzed: 12/09/20 10:03			
ISTD: Fluorobenzene	295780	5.716	295997	5.716	100	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1070383	8.749	1117859	8.749	96	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	386059	11.726	396530	11.729	97	50 - 200	-0.0030	+/-0.17	
LCS Dup (BL00510-BSD1)			Lab File ID: QV621635.D			Analyzed: 12/09/20 10:29			
ISTD: Fluorobenzene	303883	5.714	295997	5.716	103	50 - 200	-0.0020	+/-0.17	
ISTD: Chlorobenzene-d5	1112988	8.749	1117859	8.749	100	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	384893	11.729	396530	11.729	97	50 - 200	0.0000	+/-0.17	
Blank (BL00510-BLK1)			Lab File ID: QV621637.D			Analyzed: 12/09/20 11:22			
ISTD: Fluorobenzene	292916	5.714	295997	5.716	99	50 - 200	-0.0020	+/-0.17	
ISTD: Chlorobenzene-d5	1105415	8.752	1117859	8.749	99	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	378307	11.732	396530	11.729	95	50 - 200	0.0030	+/-0.17	
PW-1-L (20L0374-01)			Lab File ID: QV621652.D			Analyzed: 12/09/20 18:11			
ISTD: Fluorobenzene	288827	5.716	295997	5.716	98	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1080365	8.749	1117859	8.749	97	50 - 200	0.0000	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	375164	11.729	396530	11.729	95	50 - 200	0.0000	+/-0.17	
PW-1-U (20L0374-02)			Lab File ID: QV621653.D			Analyzed: 12/09/20 18:37			
ISTD: Fluorobenzene	288387	5.716	295997	5.716	97	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1075152	8.752	1117859	8.749	96	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	369676	11.732	396530	11.729	93	50 - 200	0.0030	+/-0.17	
PW-2-L (20L0374-03)			Lab File ID: QV621654.D			Analyzed: 12/09/20 19:04			
ISTD: Fluorobenzene	288201	5.713	295997	5.716	97	50 - 200	-0.0030	+/-0.17	
ISTD: Chlorobenzene-d5	1079652	8.752	1117859	8.749	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	366427	11.732	396530	11.729	92	50 - 200	0.0030	+/-0.17	
PW-2-U (20L0374-04)			Lab File ID: QV621655.D			Analyzed: 12/09/20 19:30			
ISTD: Fluorobenzene	286135	5.714	295997	5.716	97	50 - 200	-0.0020	+/-0.17	
ISTD: Chlorobenzene-d5	1081566	8.752	1117859	8.749	97	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	372236	11.732	396530	11.729	94	50 - 200	0.0030	+/-0.17	
PW-3-L (20L0374-05)			Lab File ID: QV621656.D			Analyzed: 12/09/20 19:56			
ISTD: Fluorobenzene	280621	5.716	295997	5.716	95	50 - 200	0.0000	+/-0.17	
ISTD: Chlorobenzene-d5	1051614	8.752	1117859	8.749	94	50 - 200	0.0030	+/-0.17	
ISTD: 1,2-Dichlorobenzene-d4	357743	11.729	396530	11.729	90	50 - 200	0.0000	+/-0.17	

HOLDING TIME SUMMARY

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Sample Name	Date Collected	Date Received	Date Prepared	Days to Prep	Max Days to Prep	Date Analyzed	Days to Analysis	Max Days to Analysis	Q
PW-1-L	12/02/20 10:45	12/07/20 16:50	12/09/20 06:47	6.83	14.00	12/09/20 18:11	7.31	14.00	
PW-1-U	12/02/20 11:20	12/07/20 16:50	12/09/20 06:47	6.81	14.00	12/09/20 18:37	7.30	14.00	
PW-2-L	12/02/20 12:15	12/07/20 16:50	12/09/20 06:47	6.77	14.00	12/09/20 19:04	7.28	14.00	
PW-2-U	12/02/20 12:40	12/07/20 16:50	12/09/20 06:47	6.75	14.00	12/09/20 19:30	7.28	14.00	
PW-3-L	12/02/20 13:10	12/07/20 16:50	12/09/20 06:47	6.73	14.00	12/09/20 19:56	7.28	14.00	
PW-3-U	12/02/20 13:30	12/07/20 16:50	12/09/20 06:47	6.72	14.00	12/09/20 16:01	7.10	14.00	
PW-4-L	12/02/20 13:50	12/07/20 16:50	12/09/20 06:47	6.71	14.00	12/09/20 14:43	7.04	14.00	
PW-4-U	12/02/20 14:15	12/07/20 16:50	12/09/20 06:47	6.69	14.00	12/09/20 15:09	7.04	14.00	

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Matrix: Water **Instrument:** QVOA6

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,1-Trichloroethane	0.20	0.50	ug/L
1,1,2,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.20	0.50	ug/L
1,1,2-Trichloroethane	0.20	0.50	ug/L
1,1-Dichloroethane	0.20	0.50	ug/L
1,1-Dichloroethylene	0.20	0.50	ug/L
1,2,3-Trichlorobenzene	0.20	0.50	ug/L
1,2,3-Trichloropropane	0.20	0.50	ug/L
1,2,4-Trichlorobenzene	0.20	0.50	ug/L
1,2,4-Trimethylbenzene	0.20	0.50	ug/L
1,2-Dibromo-3-chloropropane	0.20	0.50	ug/L
1,2-Dibromoethane	0.20	0.50	ug/L
1,2-Dichlorobenzene	0.20	0.50	ug/L
1,2-Dichloroethane	0.20	0.50	ug/L
1,2-Dichloropropane	0.20	0.50	ug/L
1,3,5-Trimethylbenzene	0.20	0.50	ug/L
1,3-Dichlorobenzene	0.20	0.50	ug/L
1,4-Dichlorobenzene	0.20	0.50	ug/L
1,4-Dioxane	40	40	ug/L
2-Butanone	0.20	0.50	ug/L
2-Hexanone	0.20	0.50	ug/L
4-Methyl-2-pentanone	0.20	0.50	ug/L
Acetone	1.0	2.0	ug/L
Acrolein	0.20	0.50	ug/L
Acrylonitrile	0.20	0.50	ug/L
Benzene	0.20	0.50	ug/L
Bromochloromethane	0.20	0.50	ug/L
Bromodichloromethane	0.20	0.50	ug/L
Bromoform	0.20	0.50	ug/L
Bromomethane	0.20	0.50	ug/L
Carbon disulfide	0.20	0.50	ug/L
Carbon tetrachloride	0.20	0.50	ug/L
Chlorobenzene	0.20	0.50	ug/L
Chloroethane	0.20	0.50	ug/L
Chloroform	0.20	0.50	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Matrix: Water **Instrument:** QVOA6

Analyte	LOD	LOQ	Units
Chloromethane	0.20	0.50	ug/L
cis-1,2-Dichloroethylene	0.20	0.50	ug/L
cis-1,3-Dichloropropylene	0.20	0.50	ug/L
Cyclohexane	0.20	0.50	ug/L
Dibromochloromethane	0.20	0.50	ug/L
Dibromomethane	0.20	0.50	ug/L
Dichlorodifluoromethane	0.20	0.50	ug/L
Ethyl Benzene	0.20	0.50	ug/L
Hexachlorobutadiene	0.20	0.50	ug/L
Isopropylbenzene	0.20	0.50	ug/L
Methyl acetate	0.20	0.50	ug/L
Methyl tert-butyl ether (MTBE)	0.20	0.50	ug/L
Methylcyclohexane	0.20	0.50	ug/L
Methylene chloride	1.0	2.0	ug/L
n-Butylbenzene	0.20	0.50	ug/L
n-Propylbenzene	0.20	0.50	ug/L
o-Xylene	0.20	0.50	ug/L
p- & m- Xylenes	0.50	1.0	ug/L
p-Isopropyltoluene	0.20	0.50	ug/L
sec-Butylbenzene	0.20	0.50	ug/L
Styrene	0.20	0.50	ug/L
tert-Butyl alcohol (TBA)	0.50	1.0	ug/L
tert-Butylbenzene	0.20	0.50	ug/L
Tetrachloroethylene	0.20	0.50	ug/L
Toluene	0.20	0.50	ug/L
trans-1,2-Dichloroethylene	0.20	0.50	ug/L
trans-1,3-Dichloropropylene	0.20	0.50	ug/L
trans-1,4-dichloro-2-butene	0.20	0.50	ug/L
Trichloroethylene	0.20	0.50	ug/L
Trichlorofluoromethane	0.20	0.50	ug/L
Vinyl Chloride	0.20	0.50	ug/L
Xylenes, Total	0.60	1.5	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Matrix: Water **Instrument:** QVOA9

Analyte	LOD	LOQ	Units
1,1,1,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,1-Trichloroethane	0.20	0.50	ug/L
1,1,2,2-Tetrachloroethane	0.20	0.50	ug/L
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.20	0.50	ug/L
1,1,2-Trichloroethane	0.20	0.50	ug/L
1,1-Dichloroethane	0.20	0.50	ug/L
1,1-Dichloroethylene	0.20	0.50	ug/L
1,2,3-Trichlorobenzene	0.20	0.50	ug/L
1,2,3-Trichloropropane	0.20	0.50	ug/L
1,2,4-Trichlorobenzene	0.20	0.50	ug/L
1,2,4-Trimethylbenzene	0.20	0.50	ug/L
1,2-Dibromo-3-chloropropane	0.20	0.50	ug/L
1,2-Dibromoethane	0.20	0.50	ug/L
1,2-Dichlorobenzene	0.20	0.50	ug/L
1,2-Dichloroethane	0.20	0.50	ug/L
1,2-Dichloropropane	0.20	0.50	ug/L
1,3,5-Trimethylbenzene	0.20	0.50	ug/L
1,3-Dichlorobenzene	0.20	0.50	ug/L
1,4-Dichlorobenzene	0.20	0.50	ug/L
1,4-Dioxane	40	40	ug/L
2-Butanone	0.20	0.50	ug/L
2-Hexanone	0.20	0.50	ug/L
4-Methyl-2-pentanone	0.20	0.50	ug/L
Acetone	1.0	2.0	ug/L
Acrolein	0.20	0.50	ug/L
Acrylonitrile	0.20	0.50	ug/L
Benzene	0.20	0.50	ug/L
Bromochloromethane	0.20	0.50	ug/L
Bromodichloromethane	0.20	0.50	ug/L
Bromoform	0.20	0.50	ug/L
Bromomethane	0.20	0.50	ug/L
Carbon disulfide	0.20	0.50	ug/L
Carbon tetrachloride	0.20	0.50	ug/L
Chlorobenzene	0.20	0.50	ug/L
Chloroethane	0.20	0.50	ug/L
Chloroform	0.20	0.50	ug/L

METHOD DETECTION AND REPORTING LIMITS

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Matrix: Water **Instrument:** QVOA9

Analyte	LOD	LOQ	Units
Chloromethane	0.20	0.50	ug/L
cis-1,2-Dichloroethylene	0.20	0.50	ug/L
cis-1,3-Dichloropropylene	0.20	0.50	ug/L
Cyclohexane	0.20	0.50	ug/L
Dibromochloromethane	0.20	0.50	ug/L
Dibromomethane	0.20	0.50	ug/L
Dichlorodifluoromethane	0.20	0.50	ug/L
Ethyl Benzene	0.20	0.50	ug/L
Hexachlorobutadiene	0.20	0.50	ug/L
Isopropylbenzene	0.20	0.50	ug/L
Methyl acetate	0.20	0.50	ug/L
Methyl tert-butyl ether (MTBE)	0.20	0.50	ug/L
Methylcyclohexane	0.20	0.50	ug/L
Methylene chloride	1.0	2.0	ug/L
n-Butylbenzene	0.20	0.50	ug/L
n-Propylbenzene	0.20	0.50	ug/L
o-Xylene	0.20	0.50	ug/L
p- & m- Xylenes	0.50	1.0	ug/L
p-Isopropyltoluene	0.20	0.50	ug/L
sec-Butylbenzene	0.20	0.50	ug/L
Styrene	0.20	0.50	ug/L
tert-Butyl alcohol (TBA)	0.50	1.0	ug/L
tert-Butylbenzene	0.20	0.50	ug/L
Tetrachloroethylene	0.20	0.50	ug/L
Toluene	0.20	0.50	ug/L
trans-1,2-Dichloroethylene	0.20	0.50	ug/L
trans-1,3-Dichloropropylene	0.20	0.50	ug/L
trans-1,4-dichloro-2-butene	0.20	0.50	ug/L
Trichloroethylene	0.20	0.50	ug/L
Trichlorofluoromethane	0.20	0.50	ug/L
Vinyl Chloride	0.20	0.50	ug/L
Xylenes, Total	0.60	1.5	ug/L

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

PW-1-L

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Matrix: Water Laboratory ID: 20L0374-01 File ID: QV621652.D

Sampled: 12/02/20 10:45 Prepared: 12/09/20 06:47 Analyzed: 12/09/20 18:11

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BL00510 Sequence: Y0L0937 Calibration: YL00001 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.39	J
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	1.3	B
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	1.0	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-1-L

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-01	File ID:	QV621652.D
Sampled:	12/02/20 10:45	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 18:11
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.38	J
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.69	
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.71	97.1	69 - 130	
SURR: Toluene-d8	10.0	9.47	94.7	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.5	105	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	288827	5.716	295997	5.716	
ISTD: Chlorobenzene-d5	1080365	8.749	1117859	8.749	
ISTD: 1,2-Dichlorobenzene-d4	375164	11.729	396530	11.729	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621652.D
Acq On : 9 Dec 2020 6:11 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-01
Misc : QBQV6120920A 8260 B
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 14 14:02:14 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

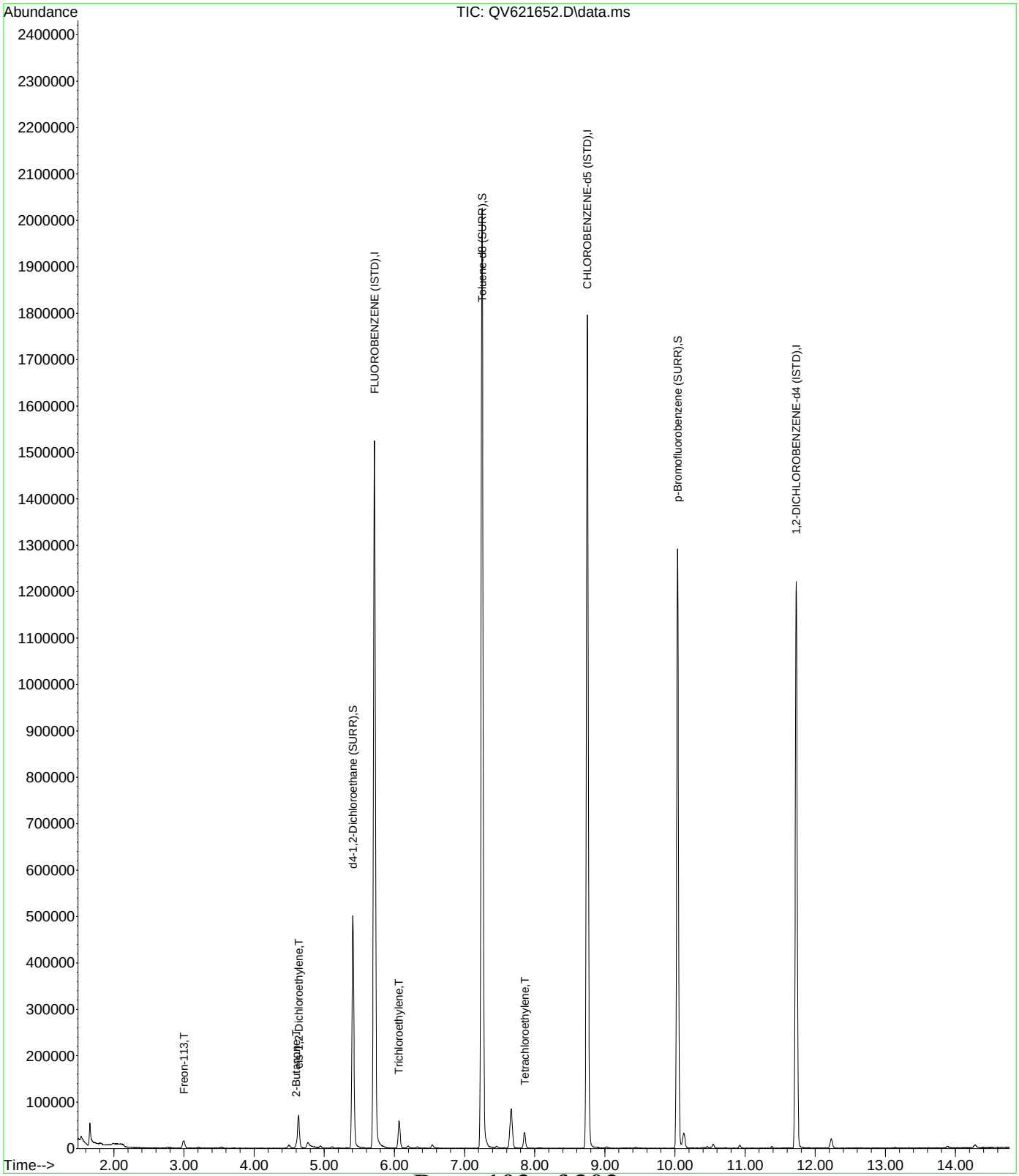
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.716	70	288827	10.00	ppb	# 0.01
41) CHLOROBENZENE-d5 (ISTD)	8.749	117	1080365	10.00	ppb	0.01
70) 1,2-DICHLOROBENZENE-d4...	11.729	152	375164	10.00	ppb	0.01
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	5.408	65	342717	9.71	ppb	0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 97.10%			
53) Toluene-d8 (SURR)	7.249	98	1491223	9.47	ppb	0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 94.70%			
73) p-Bromofluorobenzene (...	10.037	95	486865	10.46	ppb	0.02
Spiked Amount 10.000	Range 79 - 122		Recovery = 104.60%			
Target Compounds						Qvalue
9) Freon-113	2.998	101	7735	0.39	ppb	# 69
26) cis-1,2-Dichloroethylene	4.634	61	37199	1.00	ppb	89
27) 2-Butanone	4.598	72	3441m	1.29	ppb	
42) Trichloroethylene	6.064	95	19230	0.69	ppb	96
59) Tetrachloroethylene	7.859	166	11247	0.38	ppb	# 77

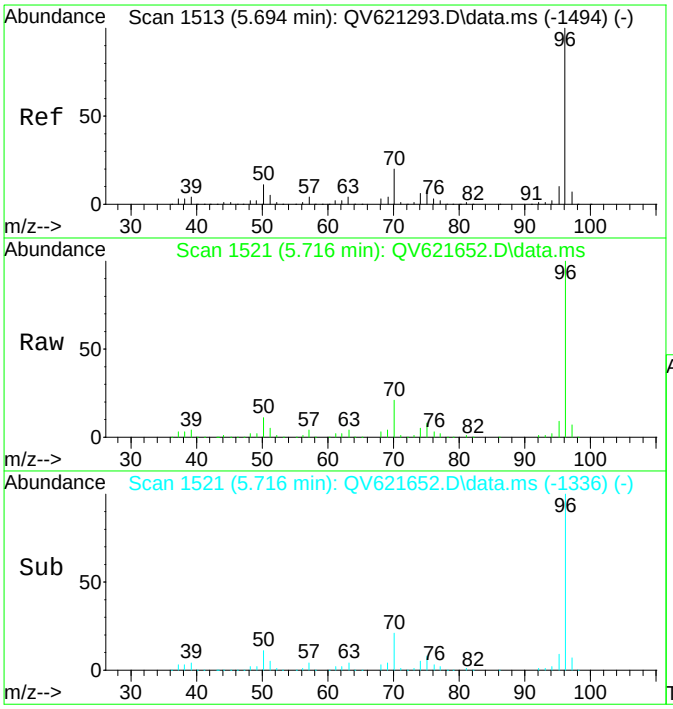
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621652.D
Acq On : 9 Dec 2020 6:11 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-01
Misc : QBQV6120920A 8260 B
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Dec 14 14:02:14 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

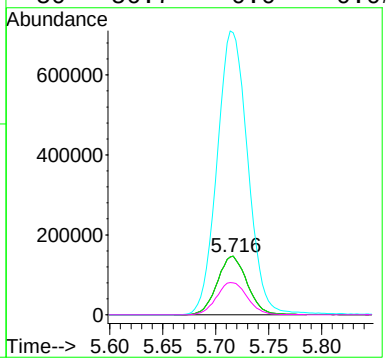


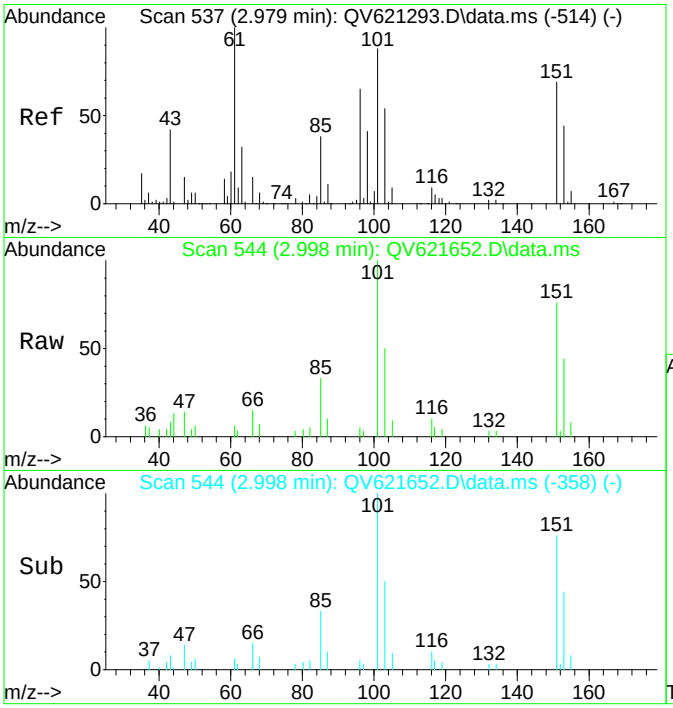


#1
FLUOROBENZENE (ISTD)
Concen: 10.00 ppb
RT: 5.716 min Scan# 1521
Delta R.T. 0.014 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion: 70 Resp: 288827

Ion	Ratio	Lower	Upper
70	100		
70	100.0	65.0	135.0
96	498.2	341.1	708.3
50	56.7	0.0	0.0#

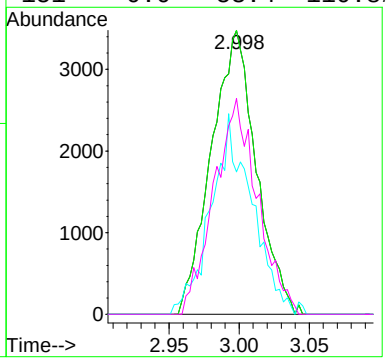


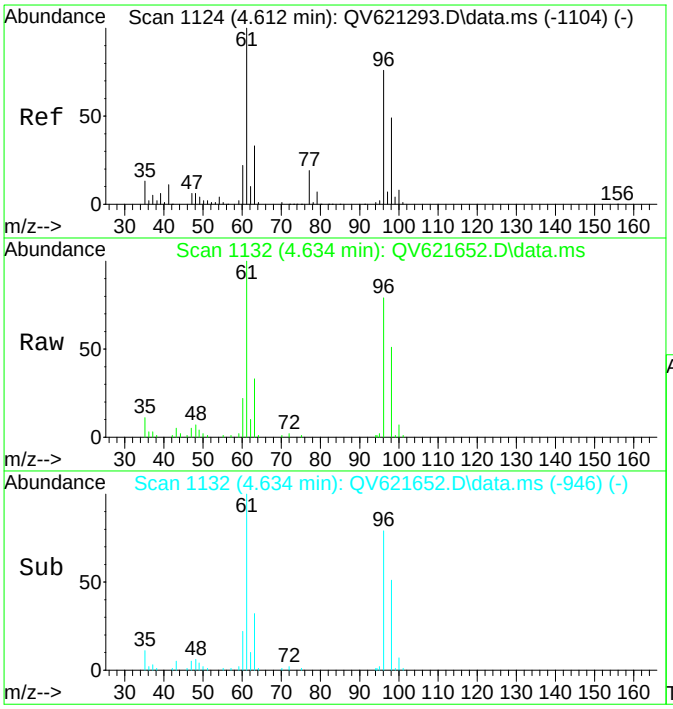


#9
Freon-113
Concen: 0.39 ppb
RT: 2.998 min Scan# 544
Delta R.T. 0.017 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion:101 Resp: 7735

Ion	Ratio	Lower	Upper
101	100		
101	100.0	65.0	135.0
103	63.8	41.4	86.0
151	0.0	53.4	110.8#

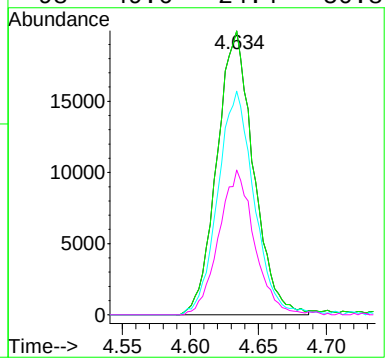


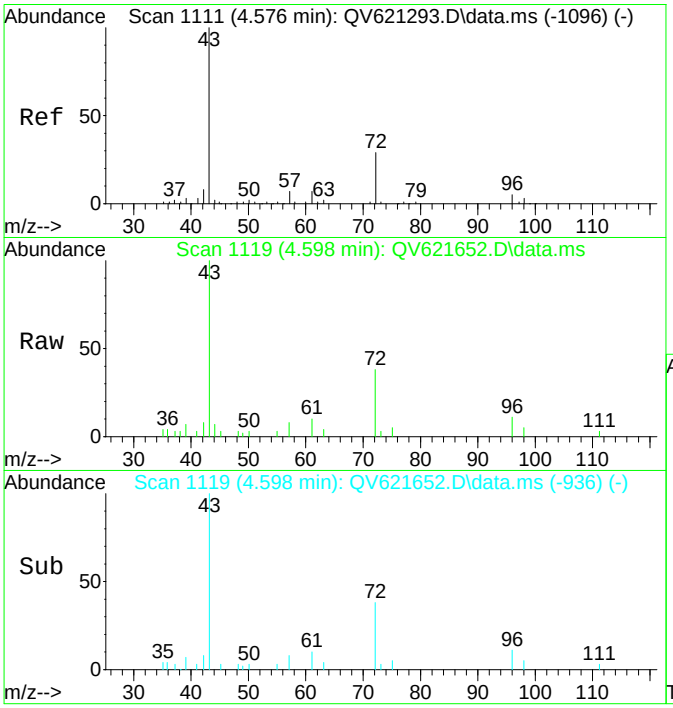


#26
cis-1,2-Dichloroethylene
Concen: 1.00 ppb
RT: 4.634 min Scan# 1132
Delta R.T. 0.017 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion: 61 Resp: 37199

Ion	Ratio	Lower	Upper
61	100		
61	100.0	65.0	135.0
96	78.4	39.2	81.4
98	49.6	24.4	50.8

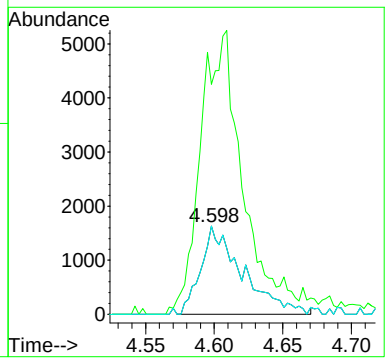


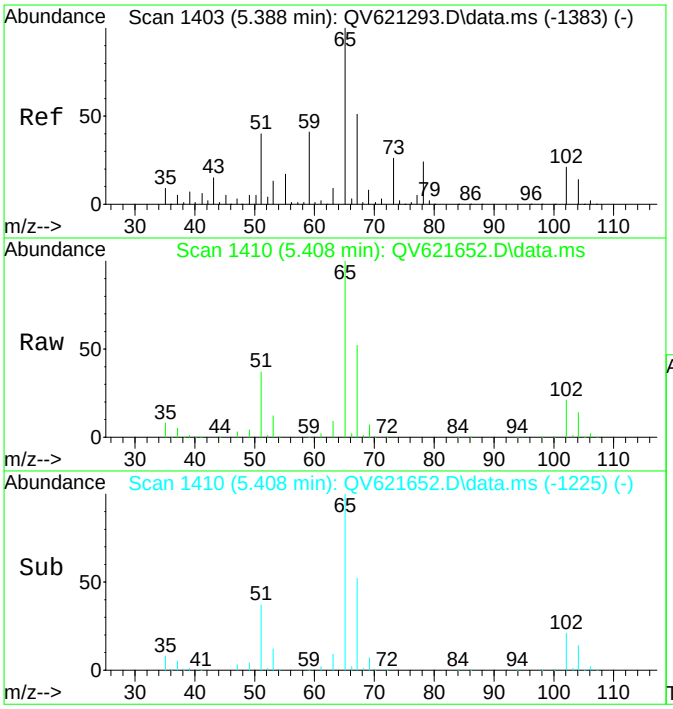


#27
2-Butanone
Concen: 1.29 ppb m
RT: 4.598 min Scan# 1119
Delta R.T. 0.009 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion: 72 Resp: 3441

Ion	Ratio	Lower	Upper
72	100		
43	0.0	0.0	0.0
72	73.0	47.4	142.3

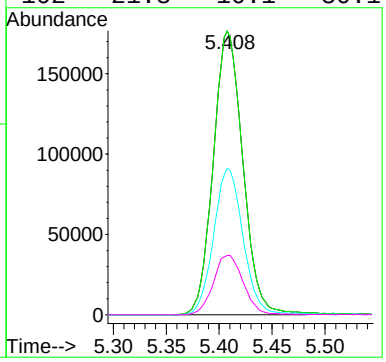


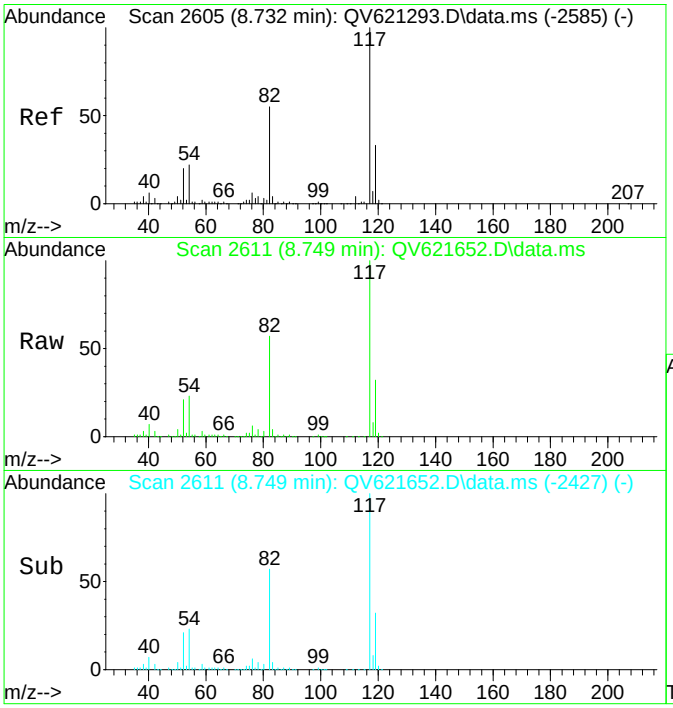


#35
d4-1,2-Dichloroethane (SURR)
Concen: 9.71 ppb
RT: 5.408 min Scan# 1410
Delta R.T. 0.014 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion: 65 Resp: 342717

Ion	Ratio	Lower	Upper
65	100		
65	100.0	65.0	135.0
67	51.2	34.0	70.6
102	21.3	10.1	30.1

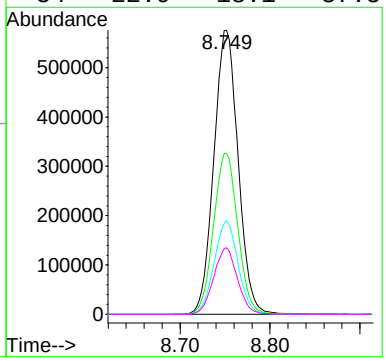


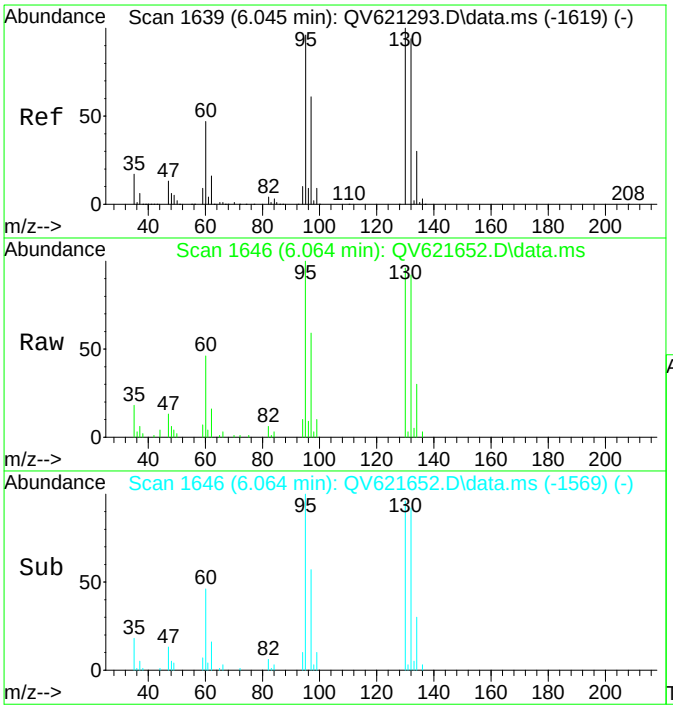


#41
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 8.749 min Scan# 2611
Delta R.T. 0.011 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion:117 Resp: 1080365

Ion	Ratio	Lower	Upper
117	100		
82	56.6	34.5	71.7
119	32.4	20.9	43.3
54	22.9	18.1	37.5

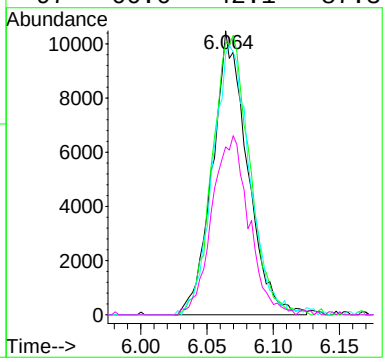


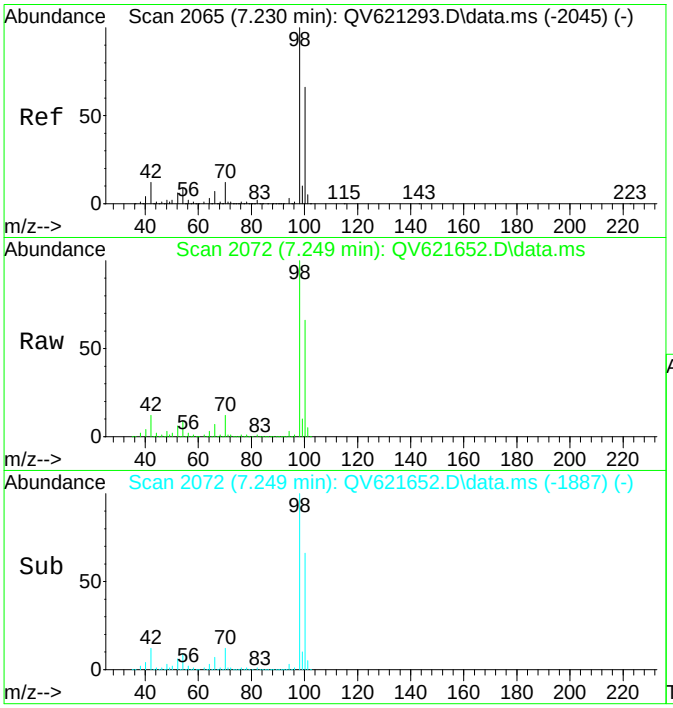


#42
Trichloroethylene
Concen: 0.69 ppb
RT: 6.064 min Scan# 1646
Delta R.T. 0.014 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion: 95 Resp: 19230

Ion	Ratio	Lower	Upper
95	100		
130	104.7	70.0	145.4
132	100.2	69.6	144.6
97	66.6	42.1	87.3

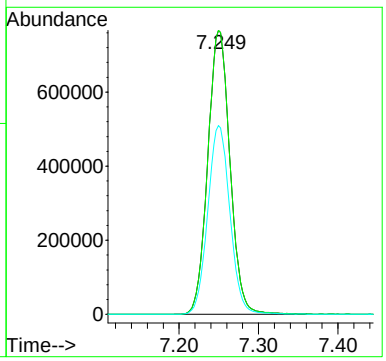


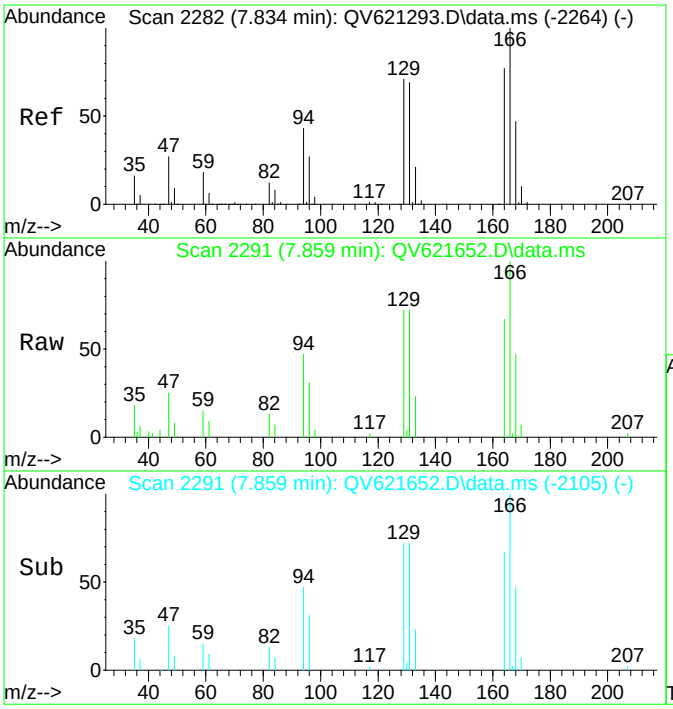


#53
Toluene-d8 (SURR)
Concen: 9.47 ppb
RT: 7.249 min Scan# 2072
Delta R.T. 0.014 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion: 98 Resp: 1491223

Ion	Ratio	Lower	Upper
98	100		
98	100.0	65.0	135.0
100	66.4	44.2	91.8

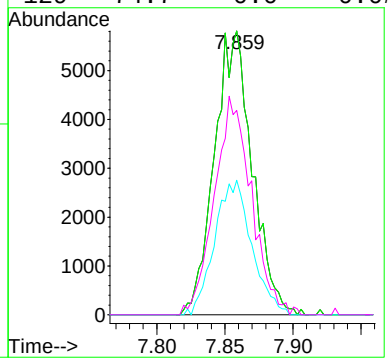


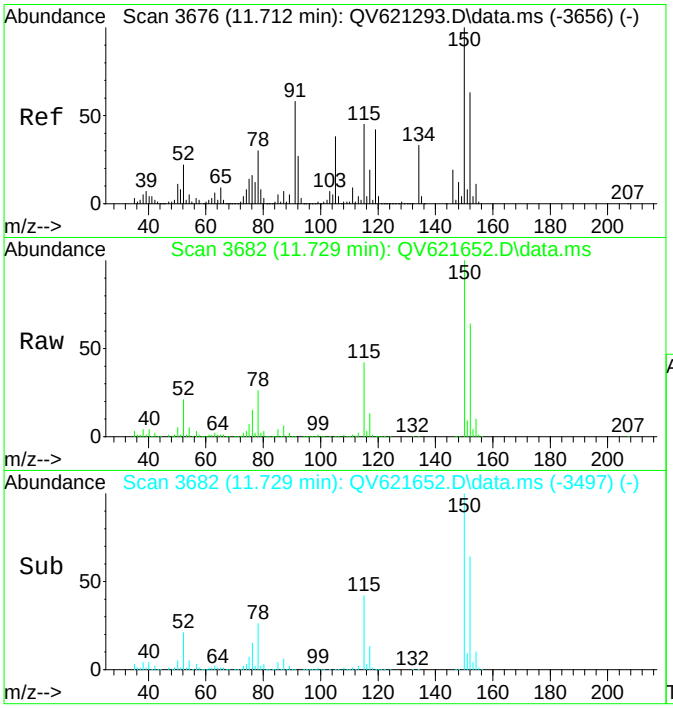


#59
Tetrachloroethylene
Concen: 0.38 ppb
RT: 7.859 min Scan# 2291
Delta R.T. 0.017 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion:166 Resp: 11247

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	0.0	31.7	65.7#
129	74.7	0.0	0.0#

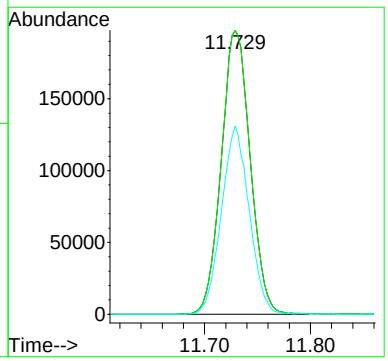


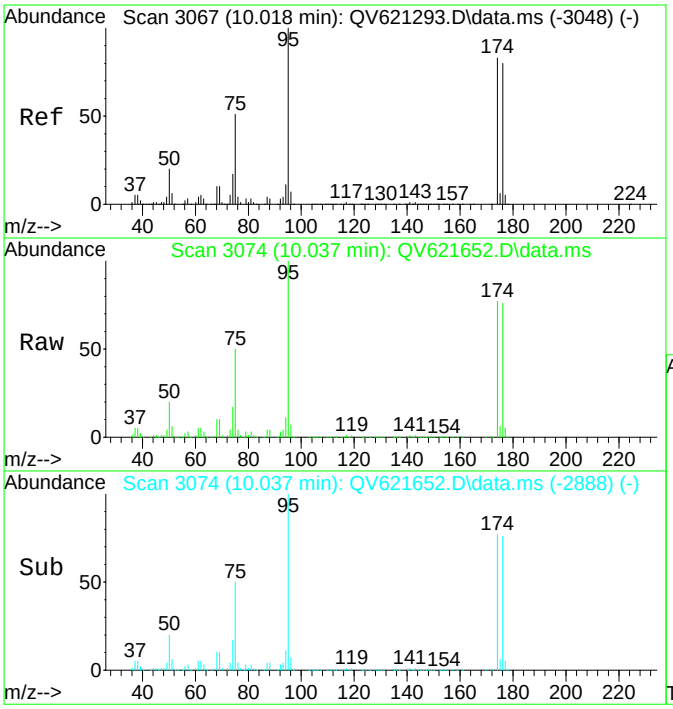


#70
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 10.00 ppb
RT: 11.729 min Scan# 3682
Delta R.T. 0.014 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion:152 Resp: 375164

Ion	Ratio	Lower	Upper
152	100		
152	100.0	50.0	150.0
115	63.6	29.8	89.3

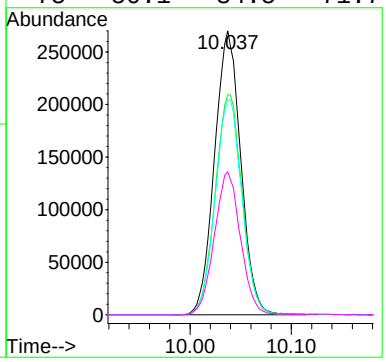




#73
p-Bromofluorobenzene (SURR)
Concen: 10.46 ppb
RT: 10.037 min Scan# 3074
Delta R.T. 0.017 min
Lab File: QV621652.D
Acq: 9 Dec 2020 6:11 pm

Tgt Ion: 95 Resp: 486865

Ion	Ratio	Lower	Upper
95	100		
174	79.3	62.5	129.9
176	77.2	60.7	126.1
75	50.1	34.5	71.7



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-1-U

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-02	File ID:	QV621653.D
Sampled:	12/02/20 11:20	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 18:37
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	1.2	B
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.57	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

PW-1-U

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Matrix: Water Laboratory ID: 20L0374-02 File ID: QV621653.D

Sampled: 12/02/20 11:20 Prepared: 12/09/20 06:47 Analyzed: 12/09/20 18:37

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BL00510 Sequence: Y0L0937 Calibration: YL00001 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	1.3	
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.36	J
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.71	97.1	69 - 130	
SURR: Toluene-d8	10.0	9.53	95.3	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.4	104	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	288387	5.716	295997	5.716	
ISTD: Chlorobenzene-d5	1075152	8.752	1117859	8.749	
ISTD: 1,2-Dichlorobenzene-d4	369676	11.732	396530	11.729	

* Values outside of QC limits

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621653.D
Acq On : 9 Dec 2020 6:37 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-02
Misc : QBQV6120920A 8260 B
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 14 14:03:35 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

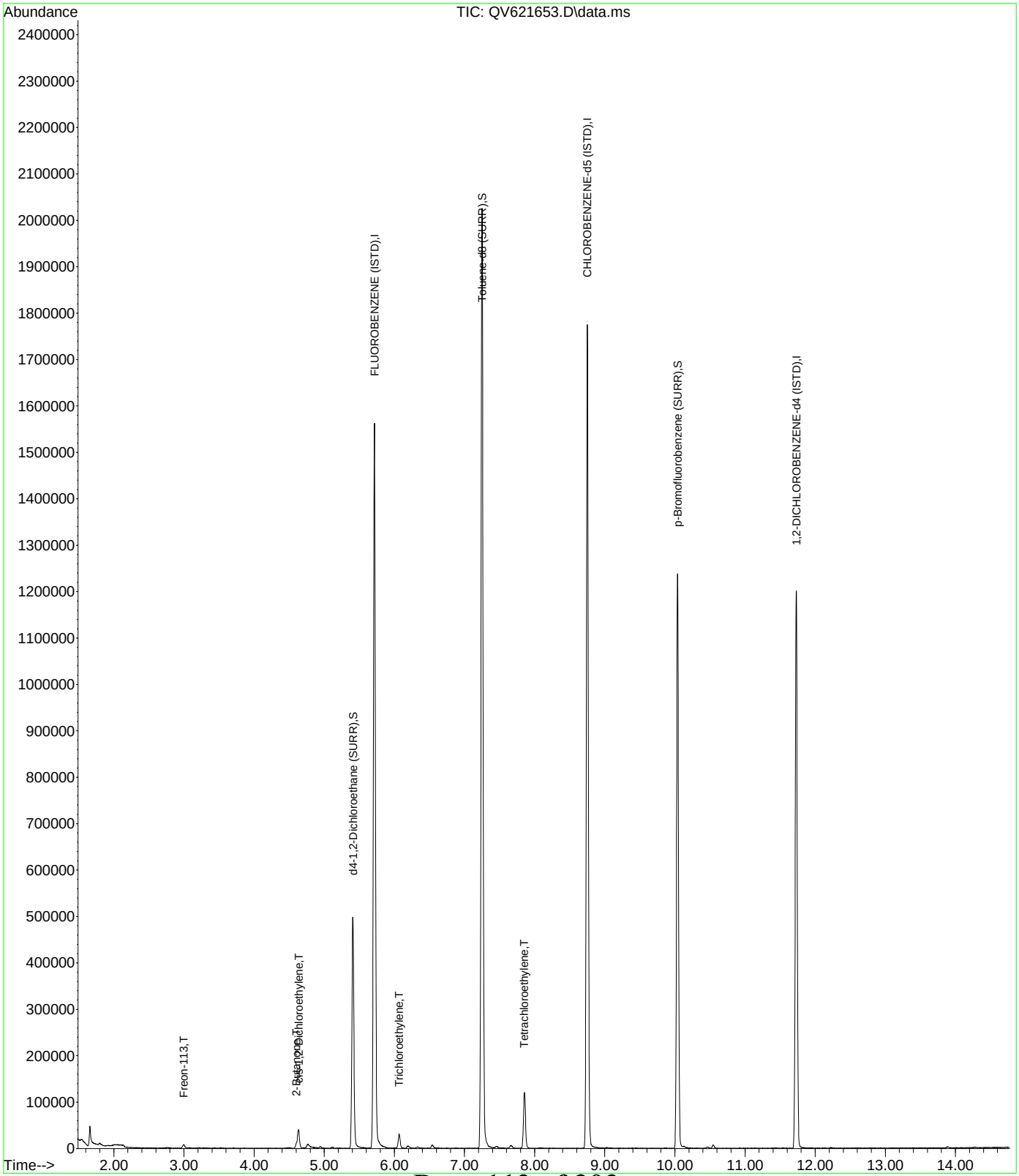
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.716	70	288387	10.00	ppb	# 0.01
41) CHLOROBENZENE-d5 (ISTD)	8.752	117	1075152	10.00	ppb	0.01
70) 1,2-DICHLOROBENZENE-d4...	11.732	152	369676	10.00	ppb	0.02
System Monitoring Compounds						
35) d4-1,2-Dichloroethane ...	5.410	65	342217	9.71	ppb	0.02
Spiked Amount 10.000	Range 69 - 130		Recovery = 97.10%			
53) Toluene-d8 (SURR)	7.250	98	1493528	9.53	ppb	0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 95.30%			
73) p-Bromofluorobenzene (...	10.037	95	478462	10.43	ppb	0.02
Spiked Amount 10.000	Range 79 - 122		Recovery = 104.30%			
Target Compounds						Qvalue
9) Freon-113	2.995	101	3281	0.17	ppb	# 83
26) cis-1,2-Dichloroethylene	4.637	61	21127	0.57	ppb	# 89
27) 2-Butanone	4.601	72	3306m	1.24	ppb	
42) Trichloroethylene	6.067	95	9997	0.36	ppb	93
59) Tetrachloroethylene	7.850	166	39412	1.33	ppb	# 100

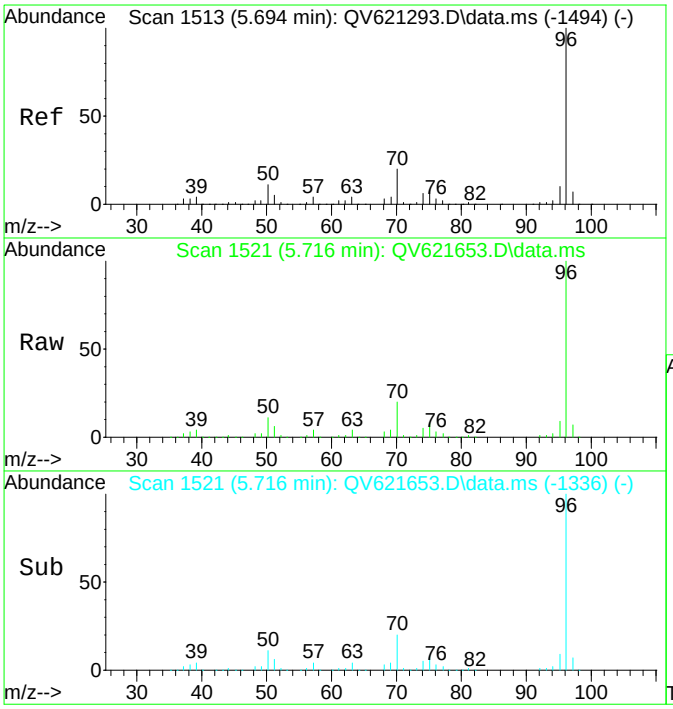
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621653.D
Acq On : 9 Dec 2020 6:37 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-02
Misc : QBQV6120920A 8260 B
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Dec 14 14:03:35 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

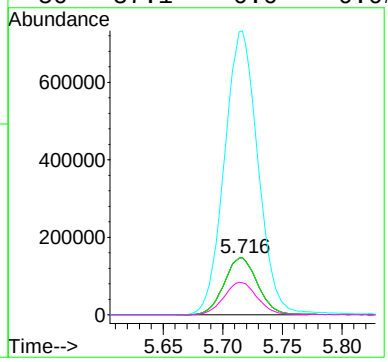


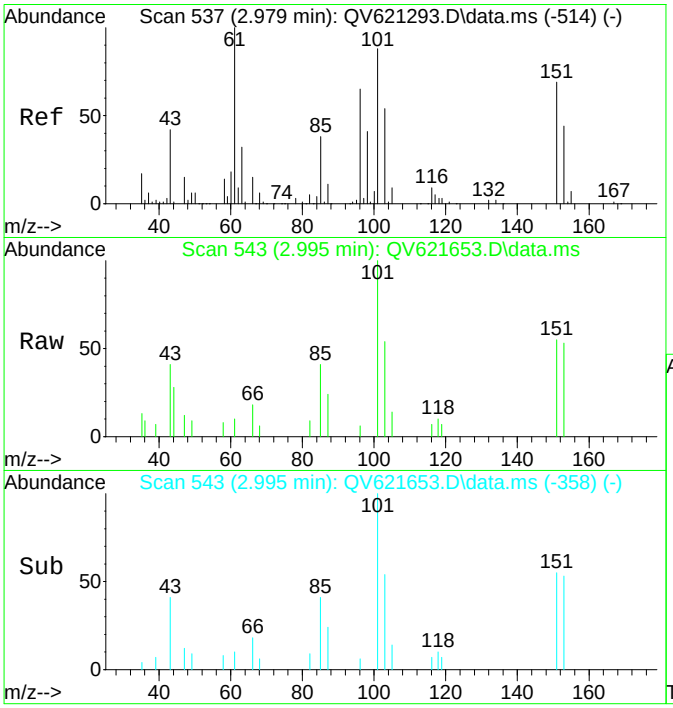


#1
FLUOROBENZENE (ISTD)
Concen: 10.00 ppb
RT: 5.716 min Scan# 1521
Delta R.T. 0.014 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion: 70 Resp: 288387

Ion	Ratio	Lower	Upper
70	100		
70	100.0	65.0	135.0
96	0.0	341.1	708.3#
50	57.1	0.0	0.0#

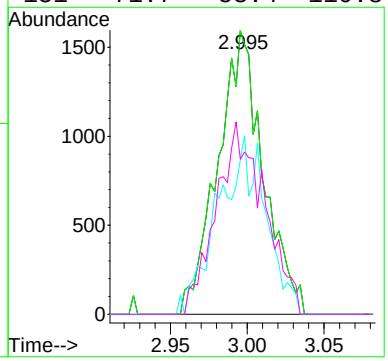


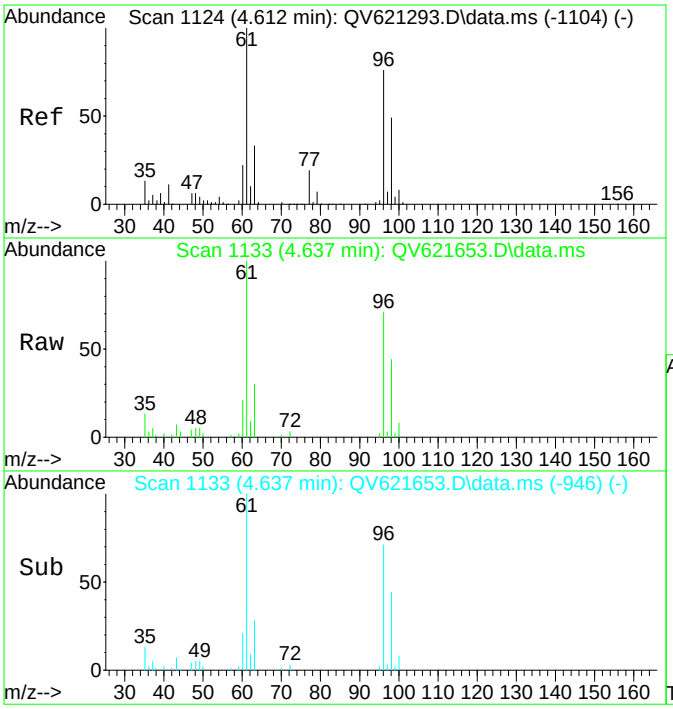


#9
Freon-113
Concen: 0.17 ppb
RT: 2.995 min Scan# 543
Delta R.T. 0.014 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion:101 Resp: 3281

Ion	Ratio	Lower	Upper
101	100		
101	100.0	65.0	135.0
103	25.6	41.4	86.0#
151	71.7	53.4	110.8

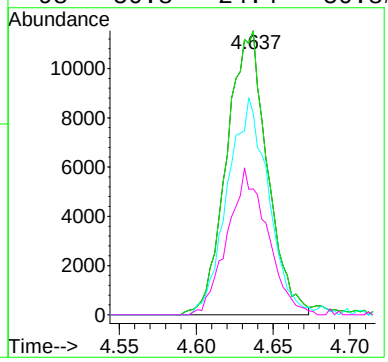


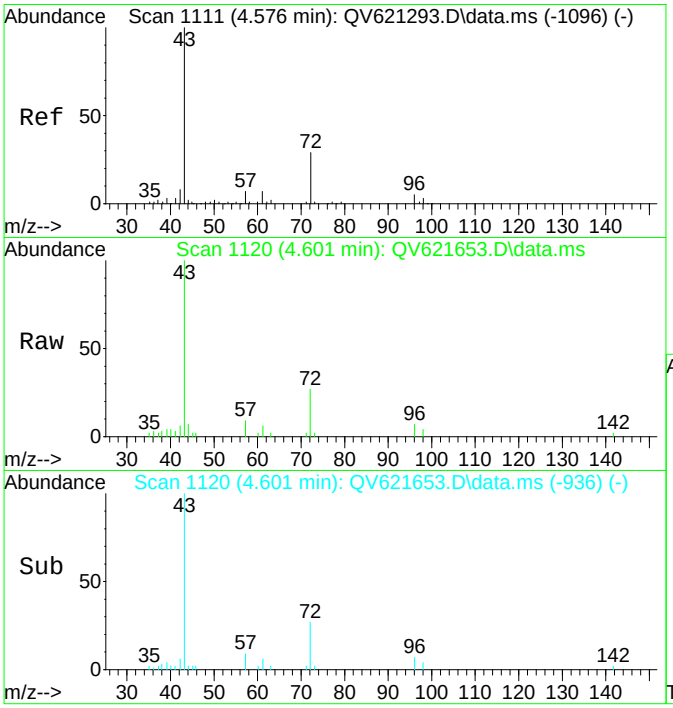


#26
cis-1,2-Dichloroethylene
Concen: 0.57 ppb
RT: 4.637 min Scan# 1133
Delta R.T. 0.020 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion: 61 Resp: 21127

Ion	Ratio	Lower	Upper
61	100		
61	100.0	65.0	135.0
96	77.3	39.2	81.4
98	50.8	24.4	50.8#

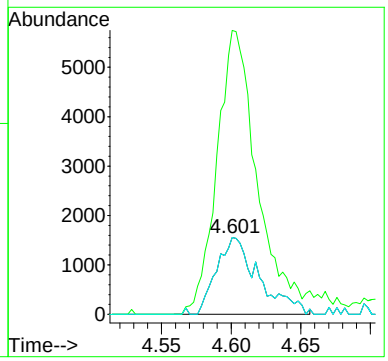


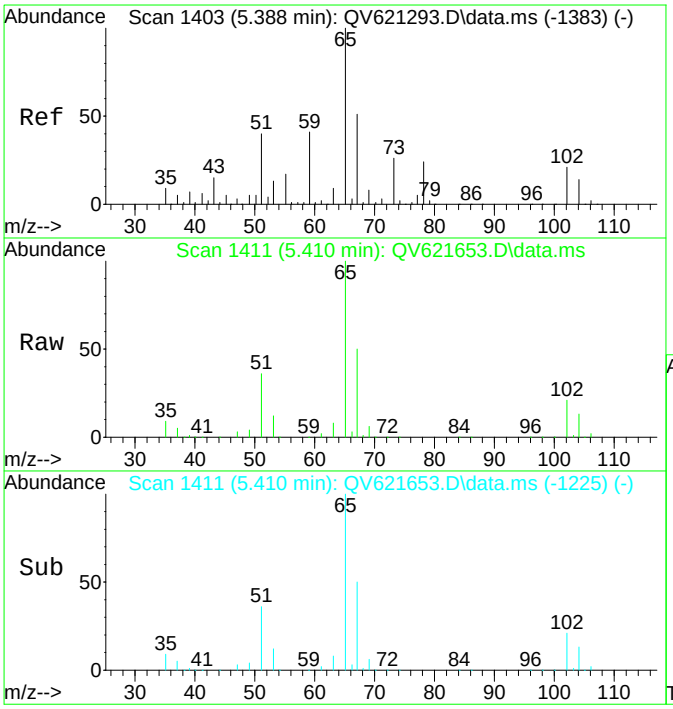


#27
2-Butanone
Concen: 1.24 ppb m
RT: 4.601 min Scan# 1120
Delta R.T. 0.012 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion: 72 Resp: 3306

Ion	Ratio	Lower	Upper
72	100		
43	0.0	0.0	0.0
72	70.3	47.4	142.3

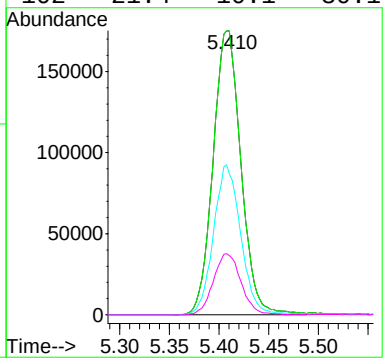


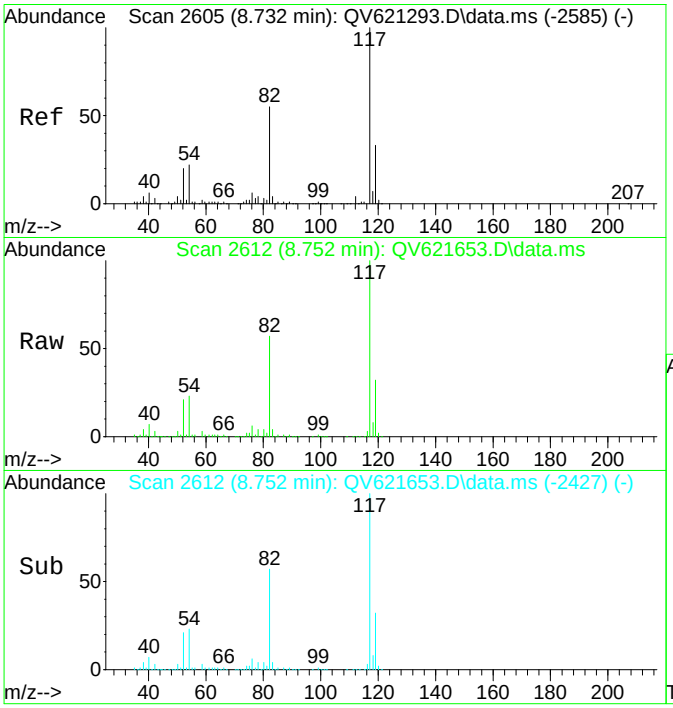


#35
d4-1,2-Dichloroethane (SURR)
Concen: 9.71 ppb
RT: 5.410 min Scan# 1411
Delta R.T. 0.016 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion: 65 Resp: 342217

Ion	Ratio	Lower	Upper
65	100		
65	100.0	65.0	135.0
67	51.5	34.0	70.6
102	21.4	10.1	30.1

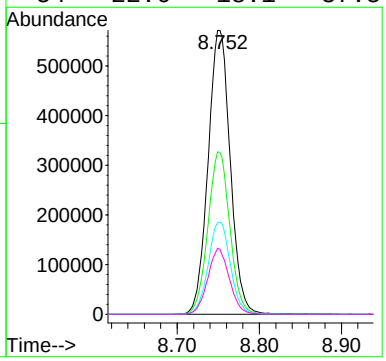


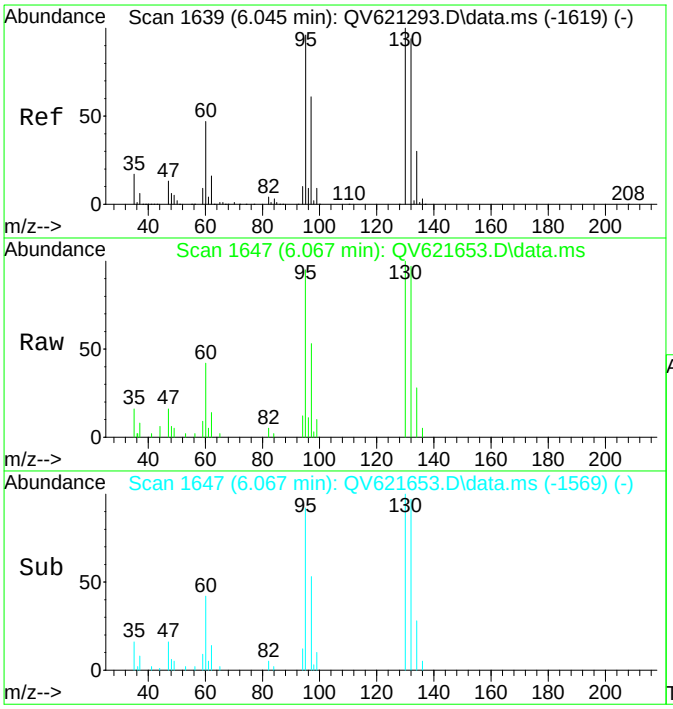


#41
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 8.752 min Scan# 2612
Delta R.T. 0.014 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion:117 Resp: 1075152

Ion	Ratio	Lower	Upper
117	100		
82	56.6	34.5	71.7
119	32.4	20.9	43.3
54	22.6	18.1	37.5

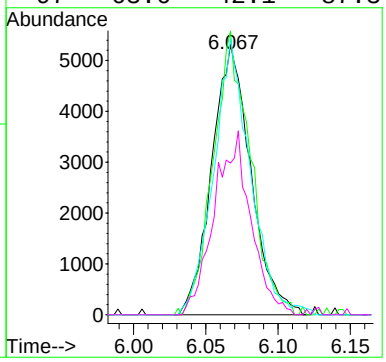


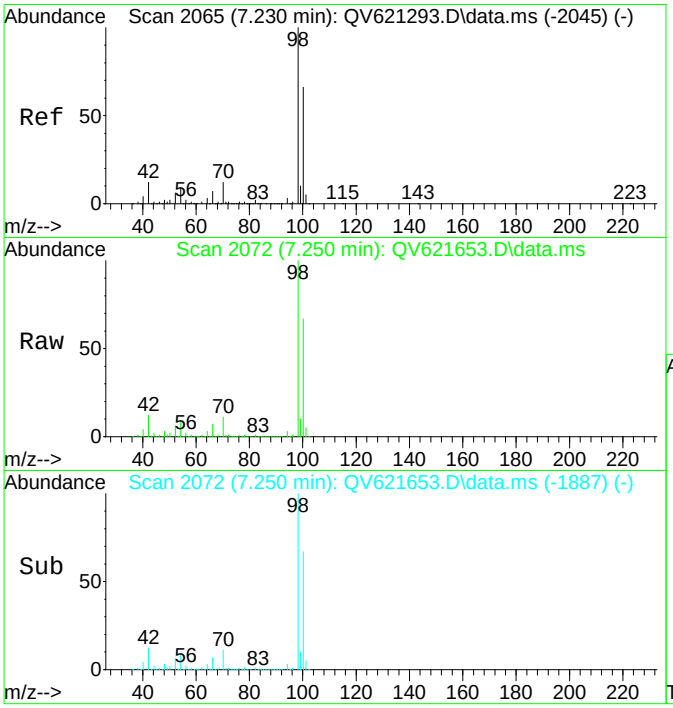


#42
Trichloroethylene
Concen: 0.36 ppb
RT: 6.067 min Scan# 1647
Delta R.T. 0.017 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion: 95 Resp: 9997

Ion	Ratio	Lower	Upper
95	100		
130	99.5	70.0	145.4
132	96.6	69.6	144.6
97	63.6	42.1	87.3

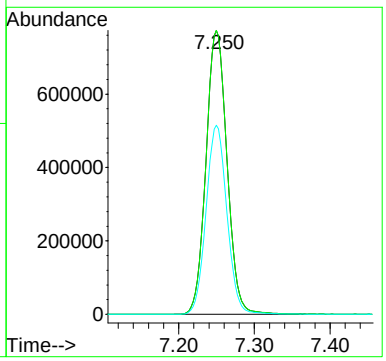


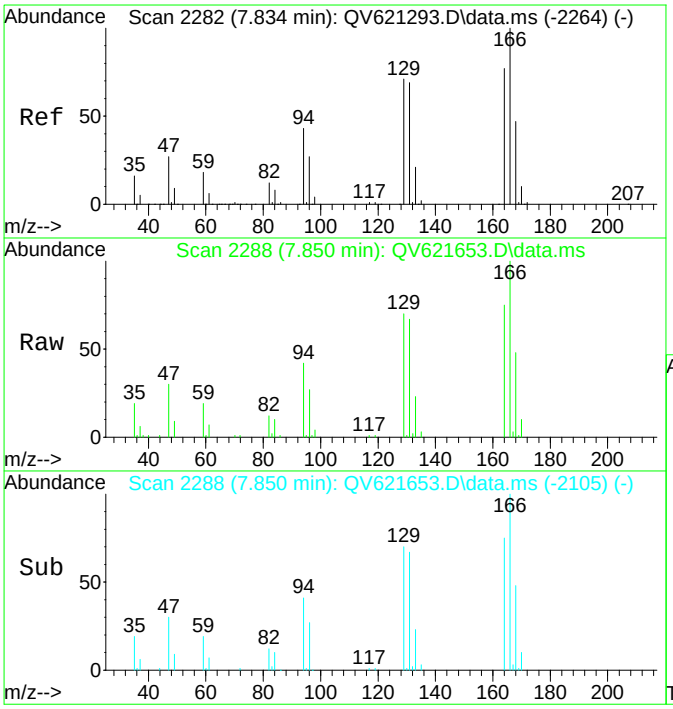


#53
Toluene-d8 (SURR)
Concen: 9.53 ppb
RT: 7.250 min Scan# 2072
Delta R.T. 0.015 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion: 98 Resp: 1493528

Ion	Ratio	Lower	Upper
98	100		
98	100.0	65.0	135.0
100	66.2	44.2	91.8

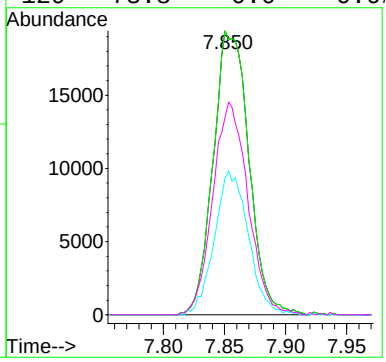


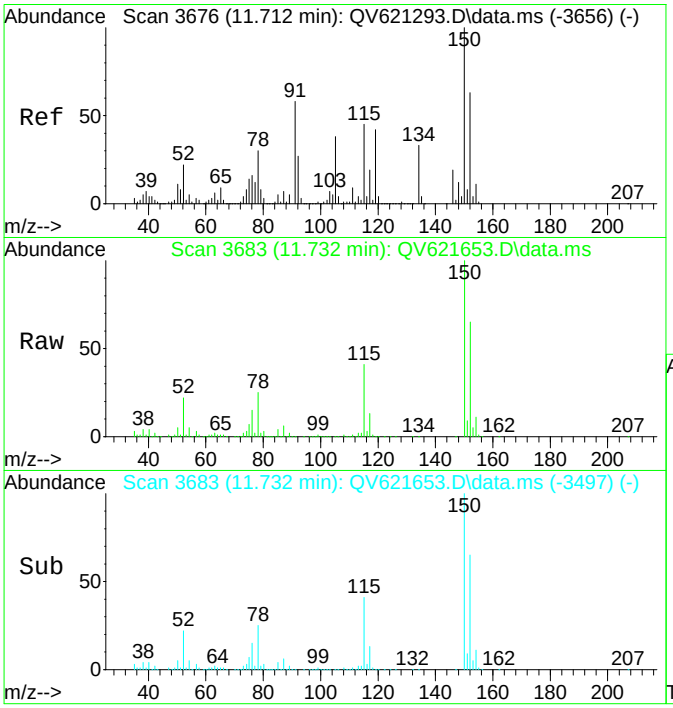


#59
Tetrachloroethylene
Concen: 1.33 ppb
RT: 7.850 min Scan# 2288
Delta R.T. 0.008 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion:166 Resp: 39412

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	48.1	31.7	65.7
129	73.8	0.0	0.0#

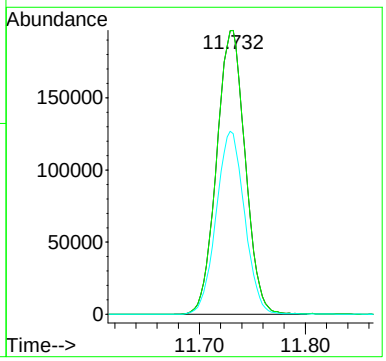


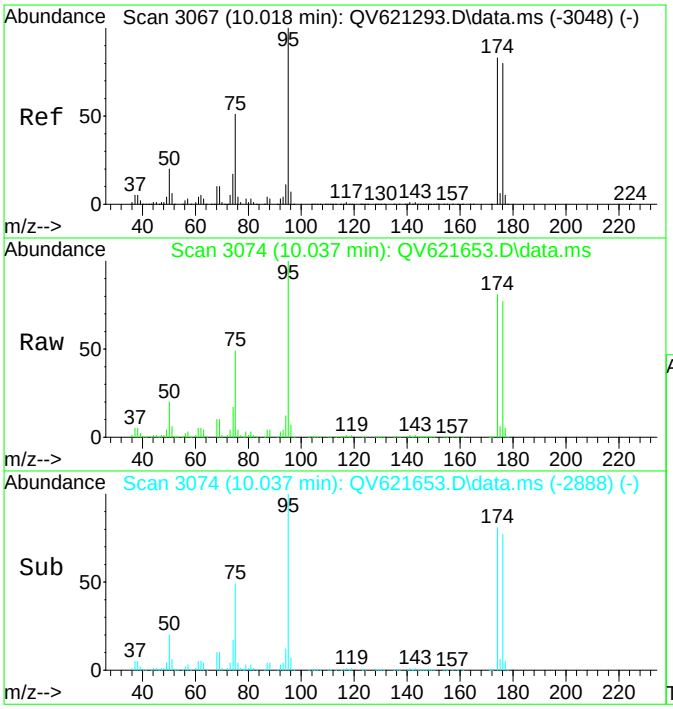


#70
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 10.00 ppb
RT: 11.732 min Scan# 3683
Delta R.T. 0.017 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion:152 Resp: 369676

Ion	Ratio	Lower	Upper
152	100		
152	100.0	50.0	150.0
115	63.9	29.8	89.3

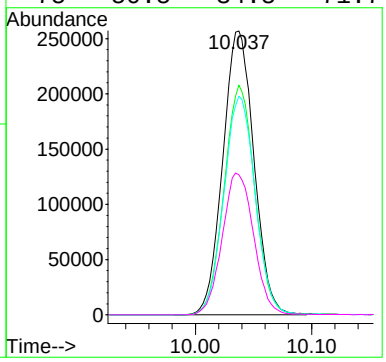




#73
p-Bromofluorobenzene (SURR)
Concen: 10.43 ppb
RT: 10.037 min Scan# 3074
Delta R.T. 0.017 min
Lab File: QV621653.D
Acq: 9 Dec 2020 6:37 pm

Tgt Ion: 95 Resp: 478462

Ion	Ratio	Lower	Upper
95	100		
174	79.9	62.5	129.9
176	77.3	60.7	126.1
75	50.5	34.5	71.7



FORM I **ORGANIC ANALYSIS DATA SHEET**

EPA 8260C

PW-2-L

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Matrix: Water Laboratory ID: 20L0374-03 File ID: QV621654.D

Sampled: 12/02/20 12:15 Prepared: 12/09/20 06:47 Analyzed: 12/09/20 19:04

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BL00510 Sequence: Y0L0937 Calibration: YL00001 Instrument: QVOA6

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	1.0	B
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.23	J
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.57	
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-2-L

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-03	File ID:	QV621654.D
Sampled:	12/02/20 12:15	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 19:04
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	2.6	
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.37	J
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.60	96.0	69 - 130	
SURR: Toluene-d8	10.0	9.51	95.1	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.5	105	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	288201	5.713	295997	5.716	
ISTD: Chlorobenzene-d5	1079652	8.752	1117859	8.749	
ISTD: 1,2-Dichlorobenzene-d4	366427	11.732	396530	11.729	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621654.D
Acq On : 9 Dec 2020 7:04 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-03
Misc : QBQV6120920A 8260 B
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 14 14:05:12 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

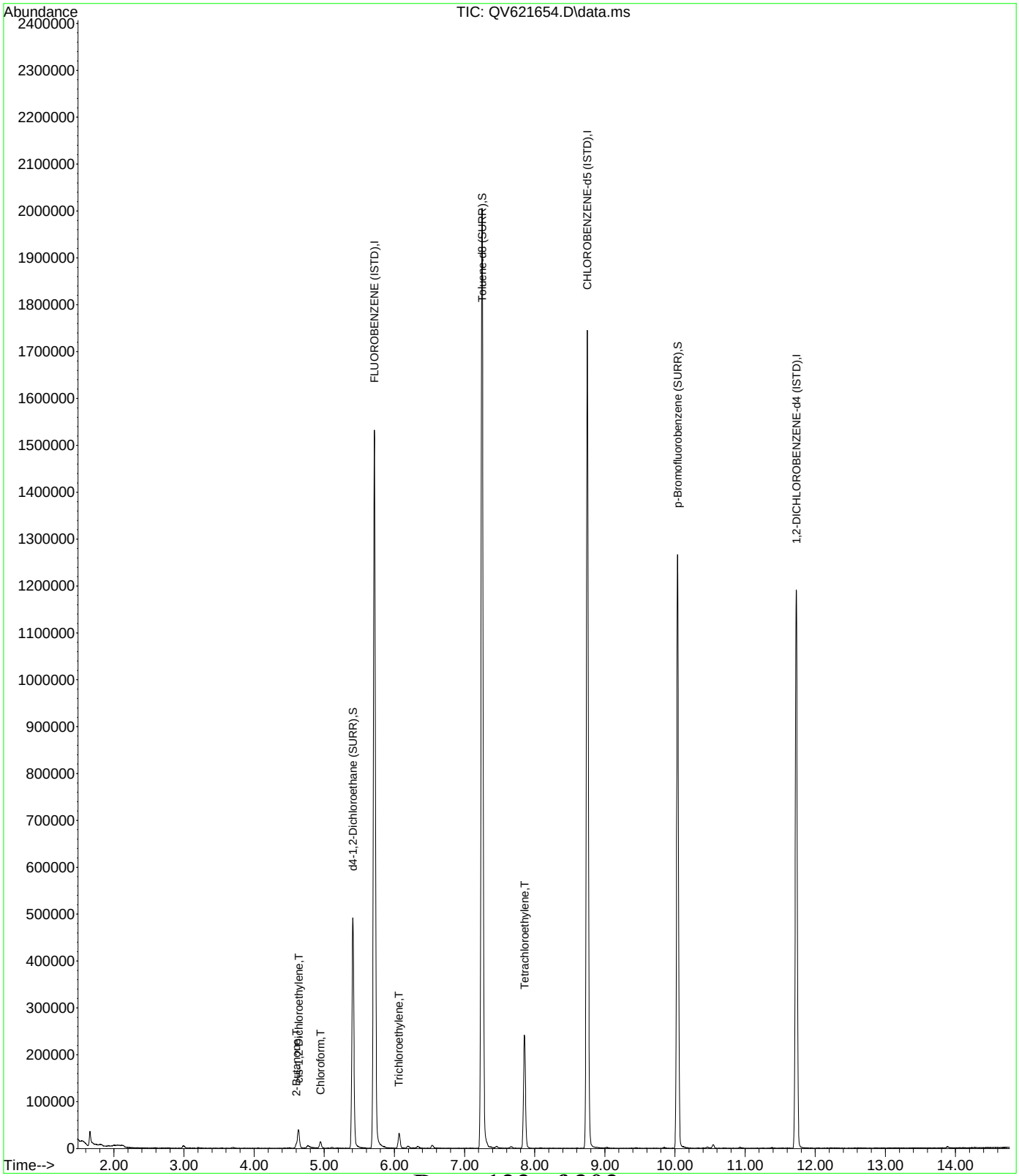
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.713	70	288201	10.00	ppb	#	0.01
41) CHLOROBENZENE-d5 (ISTD)	8.752	117	1079652	10.00	ppb		0.01
70) 1,2-DICHLOROBENZENE-d4...	11.732	152	366427	10.00	ppb		0.02
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.407	65	338385	9.60	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 96.00%				
53) Toluene-d8 (SURR)	7.249	98	1496408	9.51	ppb		0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 95.10%				
73) p-Bromofluorobenzene (...	10.037	95	478093	10.52	ppb		0.02
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.20%				
Target Compounds							Qvalue
26) cis-1,2-Dichloroethylene	4.634	61	21291	0.57	ppb		89
27) 2-Butanone	4.603	72	2774	1.01	ppb	#	95
31) Chloroform	4.946	83	9720	0.23	ppb	#	92
42) Trichloroethylene	6.064	95	10287	0.37	ppb		96
59) Tetrachloroethylene	7.856	166	78438	2.63	ppb	#	77

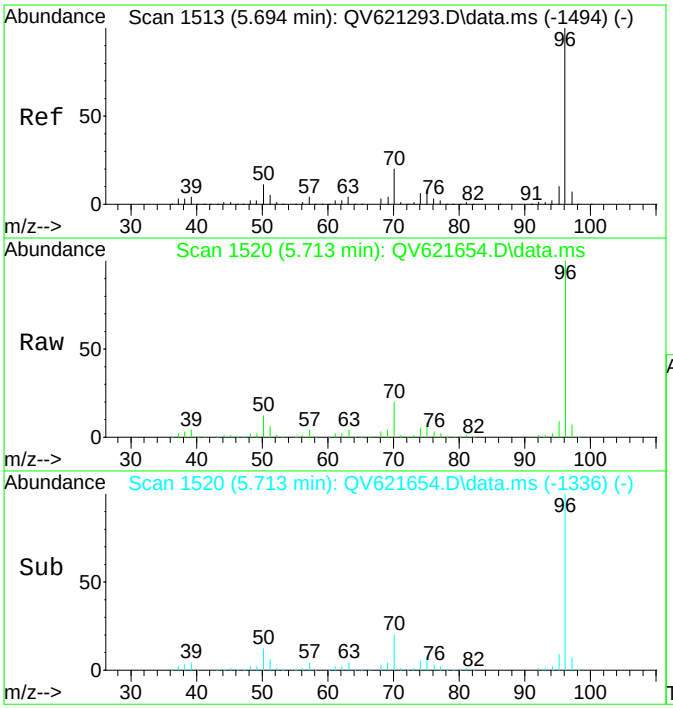
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621654.D
Acq On : 9 Dec 2020 7:04 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-03
Misc : QBQV6120920A 8260 B
ALS Vial : 23 Sample Multiplier: 1

Quant Time: Dec 14 14:05:12 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

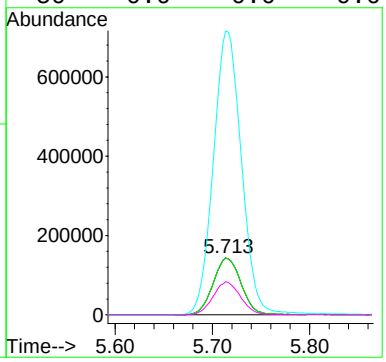


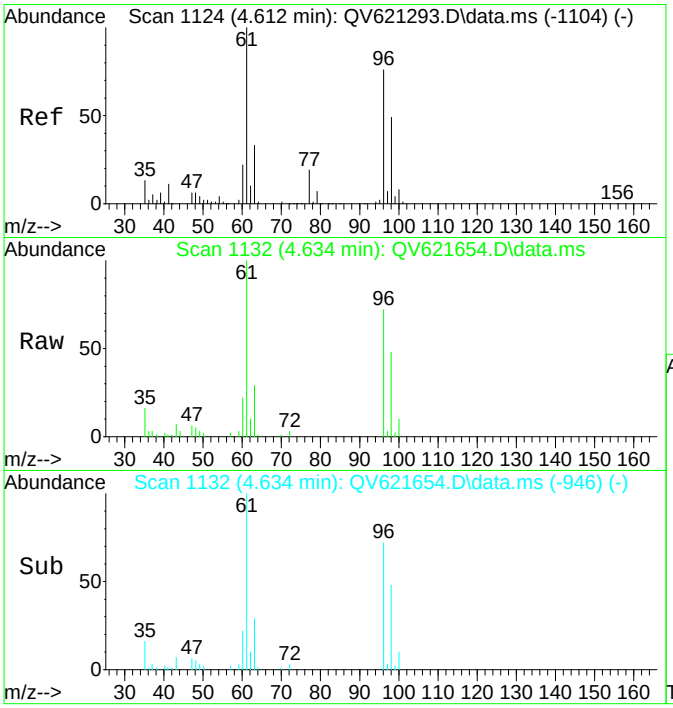


#1
FLUOROBENZENE (ISTD)
Concen: 10.00 ppb
RT: 5.713 min Scan# 1520
Delta R.T. 0.011 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion: 70 Resp: 288201

Ion	Ratio	Lower	Upper
70	100		
70	100.0	65.0	135.0
96	498.9	341.1	708.3
50	0.0	0.0	0.0

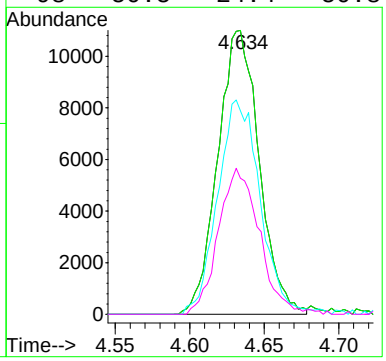


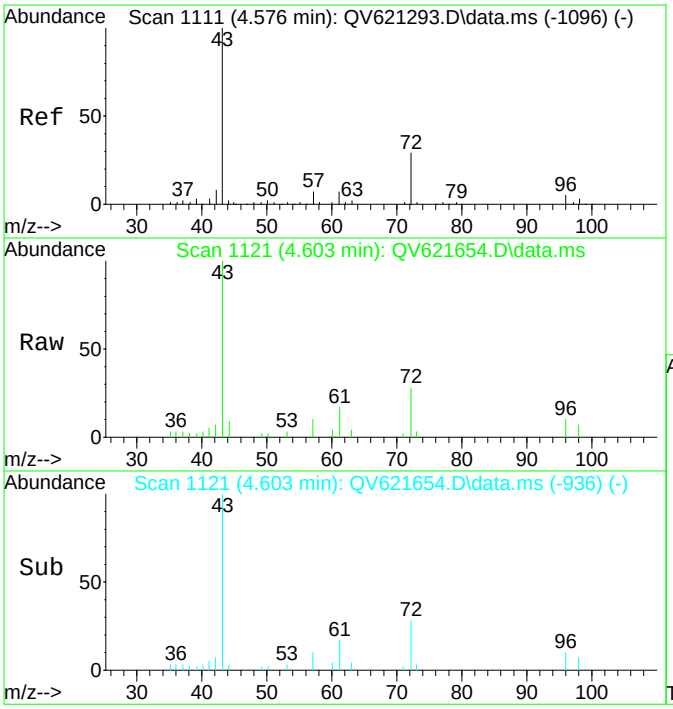


#26
cis-1,2-Dichloroethylene
Concen: 0.57 ppb
RT: 4.634 min Scan# 1132
Delta R.T. 0.017 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion: 61 Resp: 21291

Ion	Ratio	Lower	Upper
61	100		
61	100.0	65.0	135.0
96	77.3	39.2	81.4
98	50.5	24.4	50.8

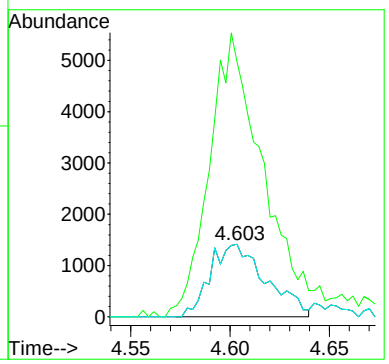


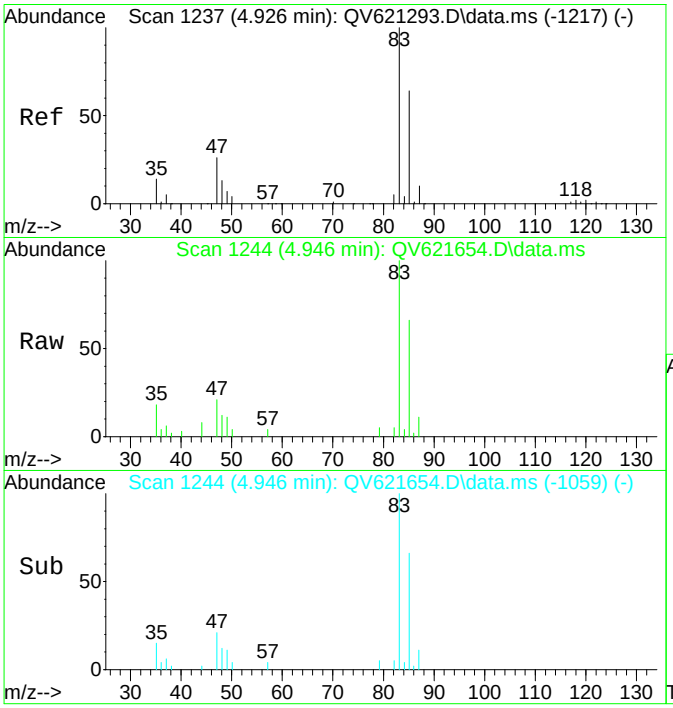


#27
2-Butanone
Concen: 1.01 ppb
RT: 4.603 min Scan# 1121
Delta R.T. 0.014 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion: 72 Resp: 2774

Ion	Ratio	Lower	Upper
72	100		
43	380.1	0.0	0.0#
72	100.0	47.4	142.3

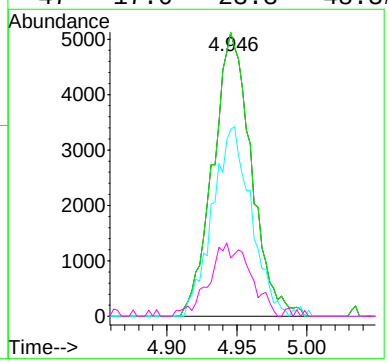


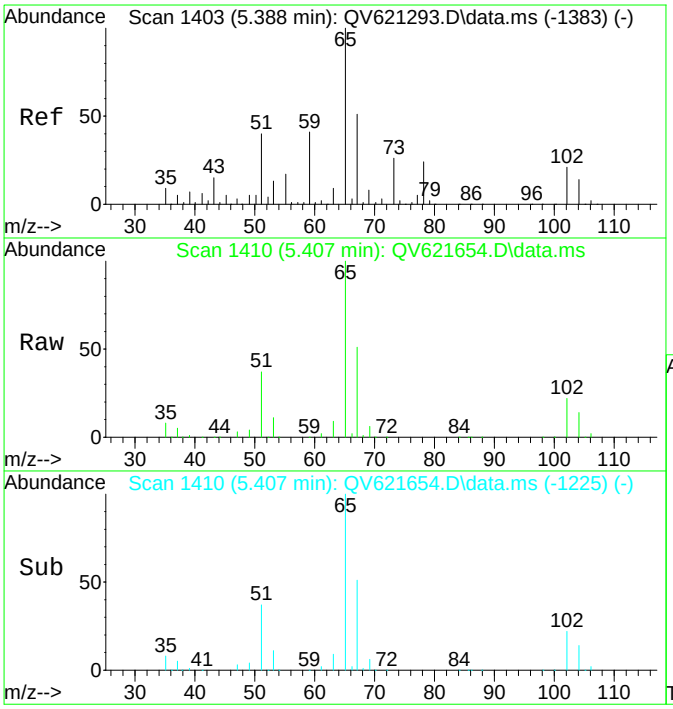


#31
Chloroform
Concen: 0.23 ppb
RT: 4.946 min Scan# 1244
Delta R.T. 0.014 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion: 83 Resp: 9720

Ion	Ratio	Lower	Upper
83	100		
83	100.0	65.0	135.0
85	0.0	0.0	0.0
47	17.0	23.3	48.3#

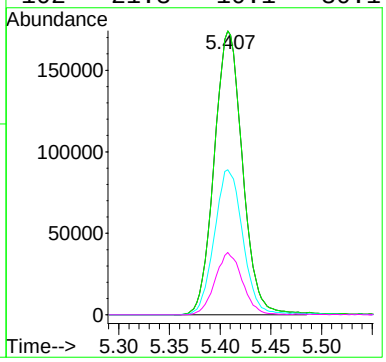


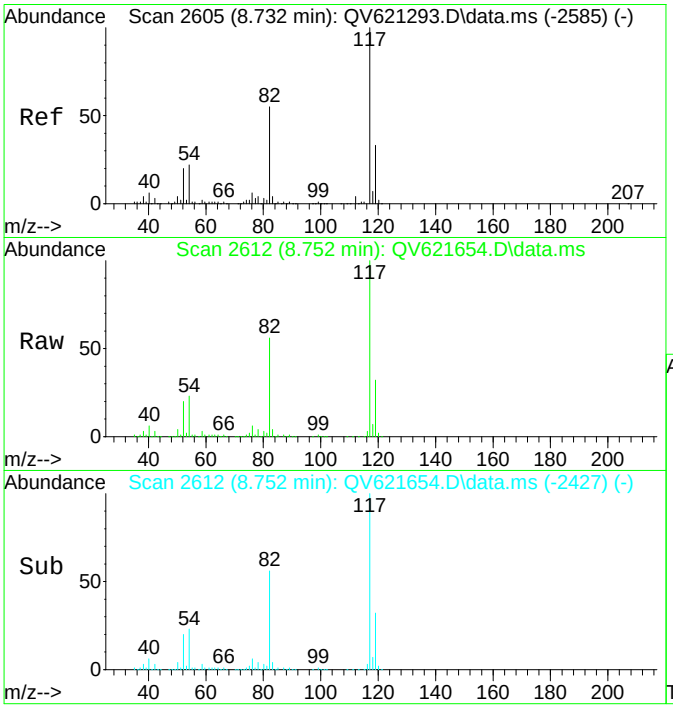


#35
d4-1,2-Dichloroethane (SURR)
Concen: 9.60 ppb
RT: 5.407 min Scan# 1410
Delta R.T. 0.013 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion: 65 Resp: 338385

Ion	Ratio	Lower	Upper
65	100		
65	100.0	65.0	135.0
67	51.8	34.0	70.6
102	21.3	10.1	30.1

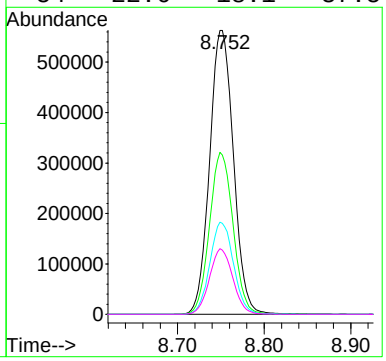


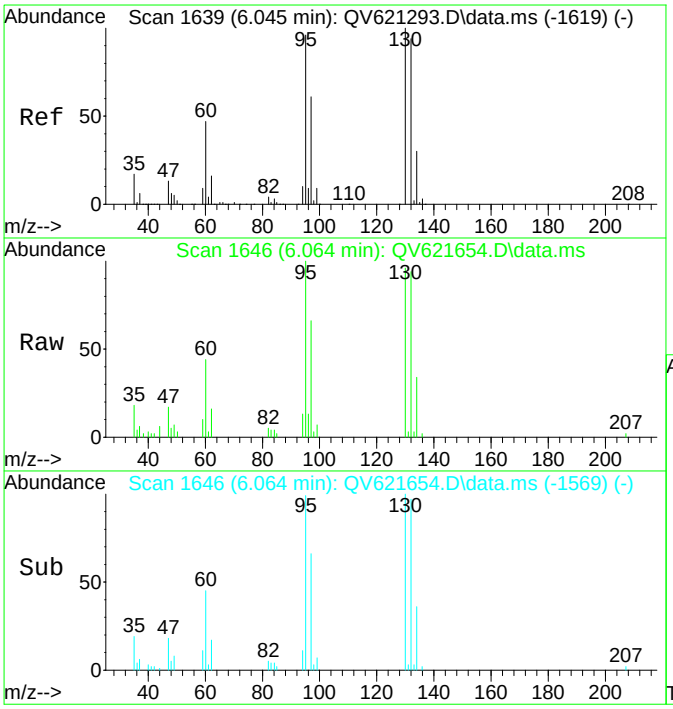


#41
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 8.752 min Scan# 2612
Delta R.T. 0.014 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion:117 Resp: 1079652

Ion	Ratio	Lower	Upper
117	100		
82	56.3	34.5	71.7
119	32.3	20.9	43.3
54	22.6	18.1	37.5

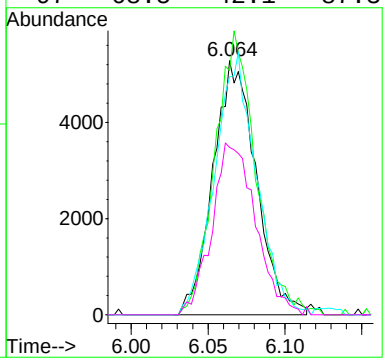


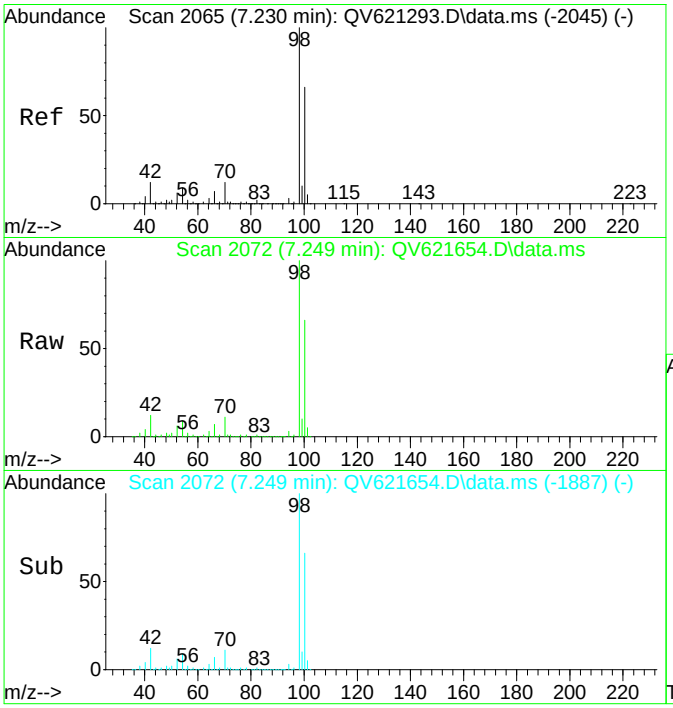


#42
Trichloroethylene
Concen: 0.37 ppb
RT: 6.064 min Scan# 1646
Delta R.T. 0.014 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion: 95 Resp: 10287

Ion	Ratio	Lower	Upper
95	100		
130	106.6	70.0	145.4
132	99.6	69.6	144.6
97	68.5	42.1	87.3

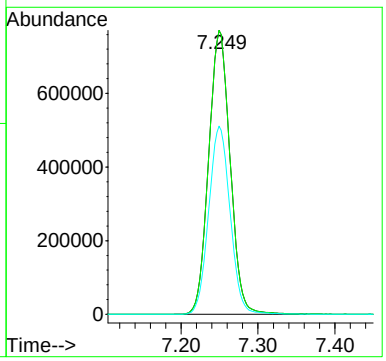


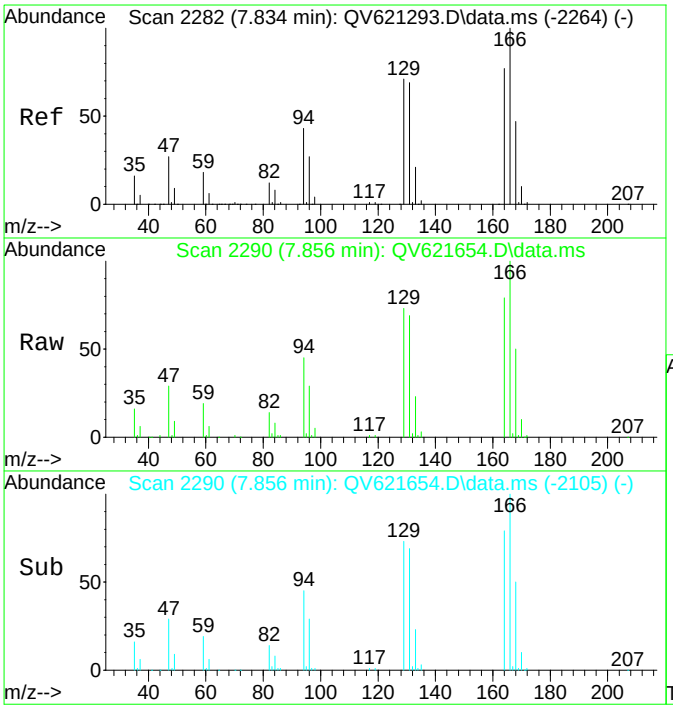


#53
Toluene-d8 (SURR)
Concen: 9.51 ppb
RT: 7.249 min Scan# 2072
Delta R.T. 0.014 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion: 98 Resp: 1496408

Ion	Ratio	Lower	Upper
98	100		
98	100.0	65.0	135.0
100	66.1	44.2	91.8

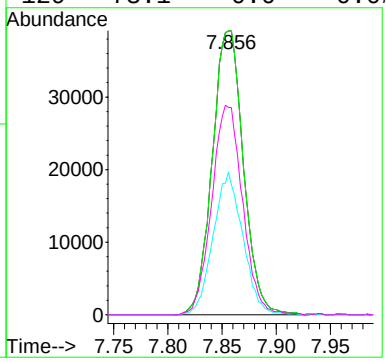


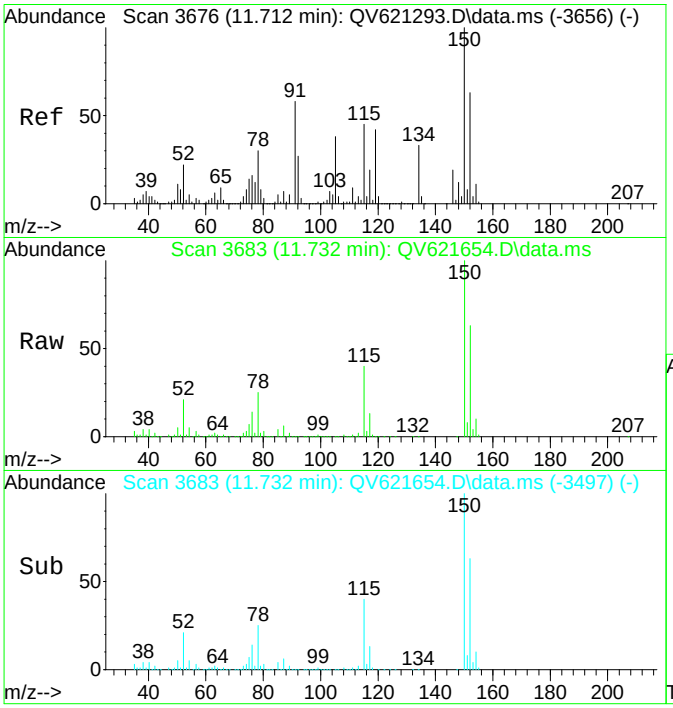


#59
Tetrachloroethylene
Concen: 2.63 ppb
RT: 7.856 min Scan# 2290
Delta R.T. 0.014 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion:166 Resp: 78438

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	0.0	31.7	65.7#
129	73.1	0.0	0.0#

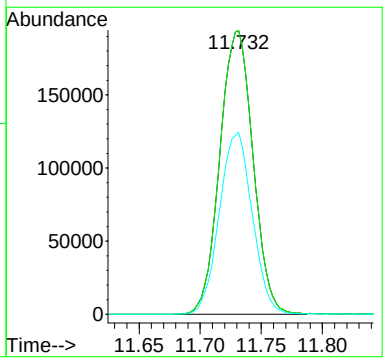


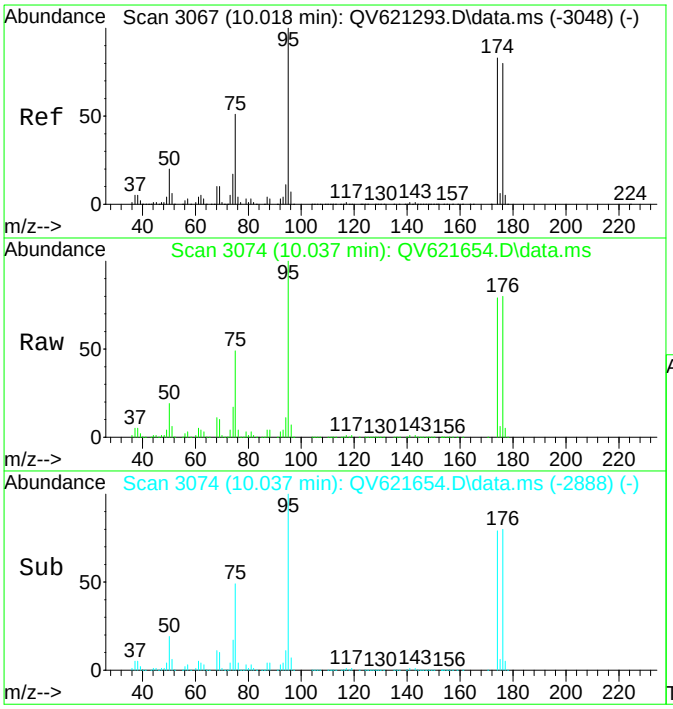


#70
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 10.00 ppb
RT: 11.732 min Scan# 3683
Delta R.T. 0.017 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion:152 Resp: 366427

Ion	Ratio	Lower	Upper
152	100		
152	100.0	50.0	150.0
115	63.7	29.8	89.3

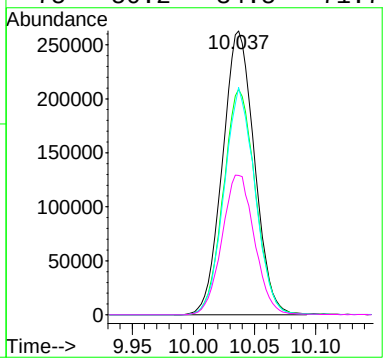




#73
p-Bromofluorobenzene (SURR)
Concen: 10.52 ppb
RT: 10.037 min Scan# 3074
Delta R.T. 0.017 min
Lab File: QV621654.D
Acq: 9 Dec 2020 7:04 pm

Tgt Ion: 95 Resp: 478093

Ion	Ratio	Lower	Upper
95	100		
174	80.0	62.5	129.9
176	77.5	60.7	126.1
75	50.2	34.5	71.7



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-2-U

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-04	File ID:	QV621655.D
Sampled:	12/02/20 12:40	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 19:30
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	1.1	B
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.27	J
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.35	J
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-2-U

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-04	File ID:	QV621655.D
Sampled:	12/02/20 12:40	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 19:30
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.75	97.5	69 - 130	
SURR: Toluene-d8	10.0	9.49	94.9	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.5	105	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	286135	5.714	295997	5.716	
ISTD: Chlorobenzene-d5	1081566	8.752	1117859	8.749	
ISTD: 1,2-Dichlorobenzene-d4	372236	11.732	396530	11.729	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621655.D
Acq On : 9 Dec 2020 7:30 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-04
Misc : QBQV6120920A 8260 B
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 14 14:06:32 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

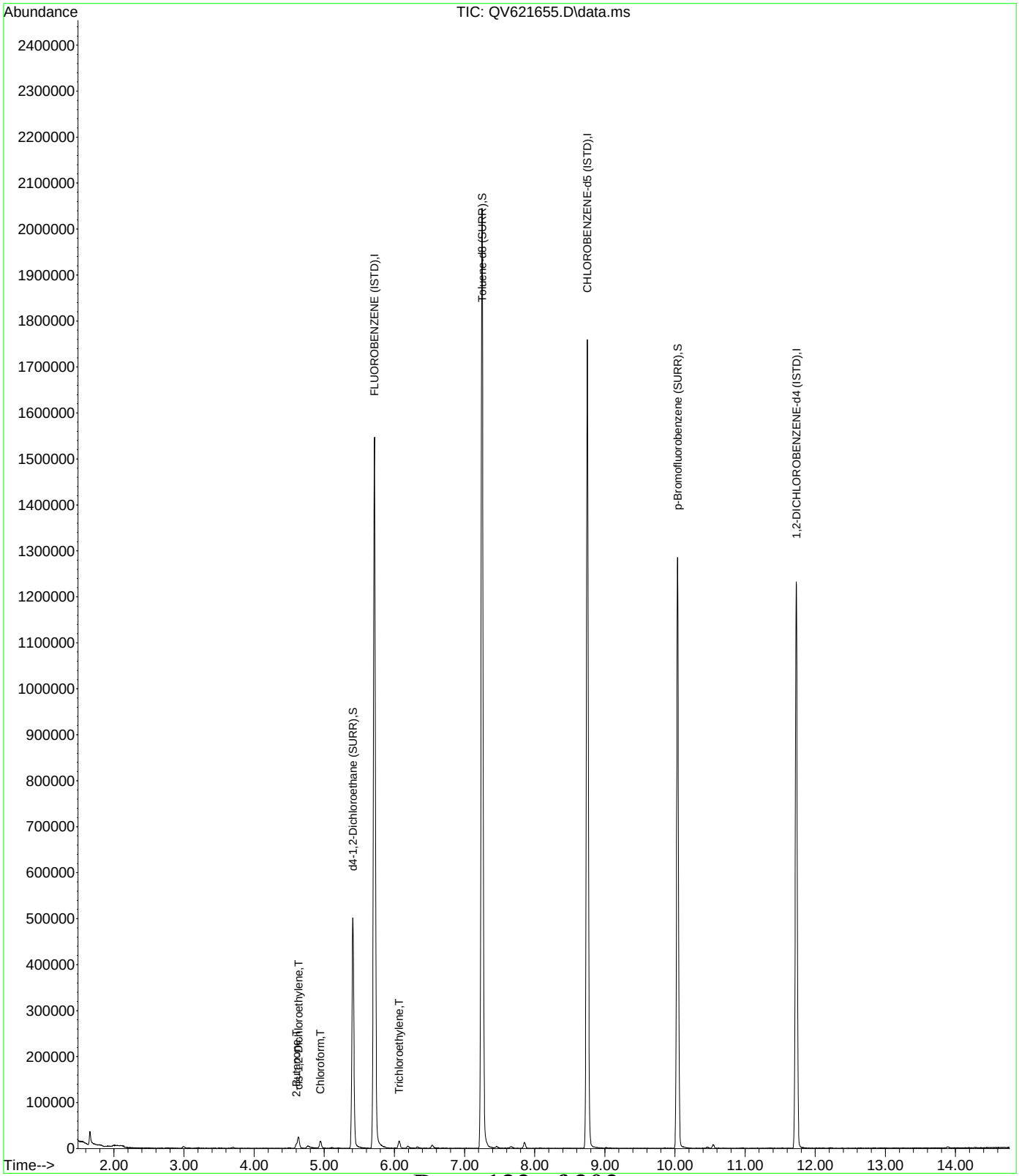
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.714	70	286135	10.00	ppb	#	0.01
41) CHLOROBENZENE-d5 (ISTD)	8.752	117	1081566	10.00	ppb		0.01
70) 1,2-DICHLOROBENZENE-d4...	11.732	152	372236	10.00	ppb		0.02
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.408	65	341073	9.75	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 97.50%				
53) Toluene-d8 (SURR)	7.249	98	1496895	9.49	ppb		0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 94.90%				
73) p-Bromofluorobenzene (...	10.037	95	484827	10.50	ppb		0.02
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.00%				
Target Compounds							Qvalue
26) cis-1,2-Dichloroethylene	4.631	61	13080	0.35	ppb		91
27) 2-Butanone	4.604	72	2873	1.06	ppb	#	95
31) Chloroform	4.943	83	11299	0.27	ppb	#	84
42) Trichloroethylene	6.067	95	5313	0.19	ppb	#	74

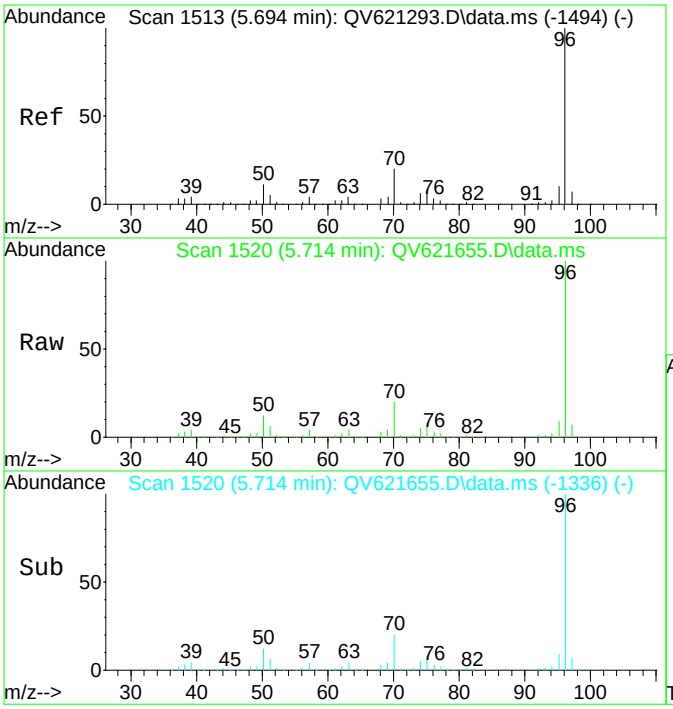
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621655.D
Acq On : 9 Dec 2020 7:30 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-04
Misc : QBQV6120920A 8260 B
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Dec 14 14:06:32 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

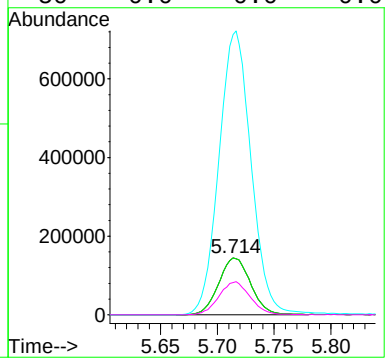


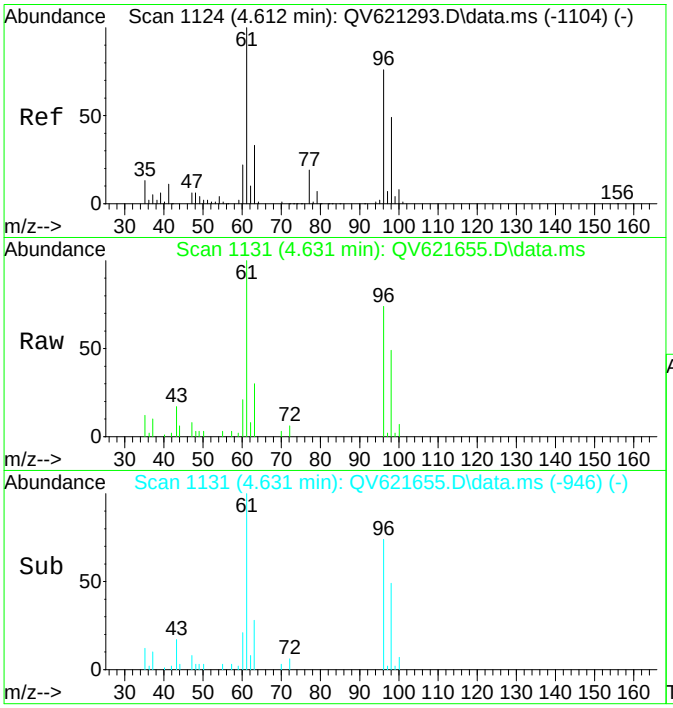


#1
FLUOROBENZENE (ISTD)
Concen: 10.00 ppb
RT: 5.714 min Scan# 1520
Delta R.T. 0.012 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion: 70 Resp: 286135

Ion	Ratio	Lower	Upper
70	100		
70	100.0	65.0	135.0
96	0.0	341.1	708.3#
50	0.0	0.0	0.0

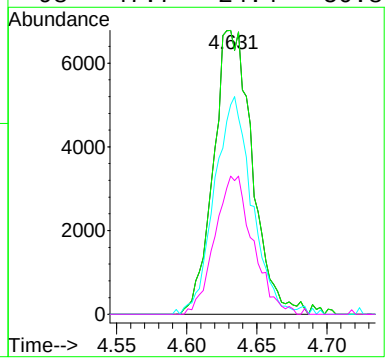


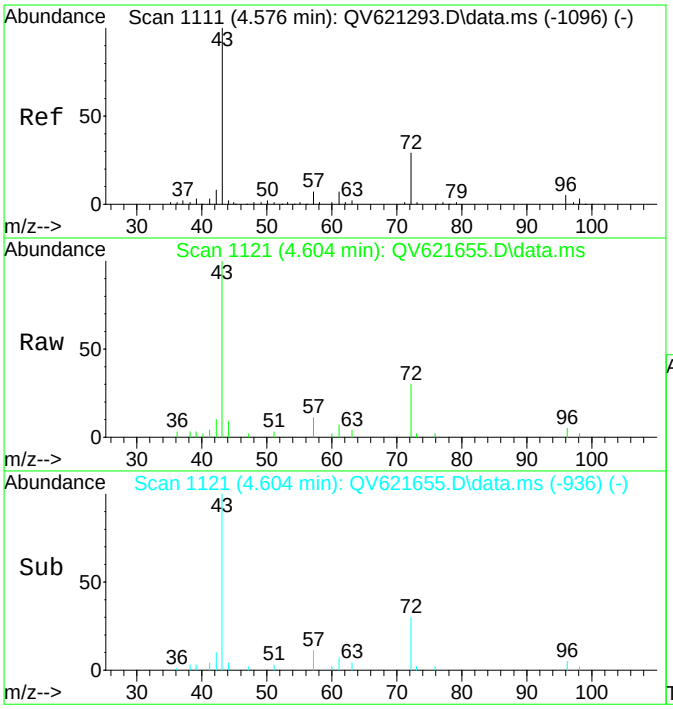


#26
cis-1,2-Dichloroethylene
Concen: 0.35 ppb
RT: 4.631 min Scan# 1131
Delta R.T. 0.014 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion: 61 Resp: 13080

Ion	Ratio	Lower	Upper
61	100		
61	100.0	65.0	135.0
96	73.7	39.2	81.4
98	47.7	24.4	50.8

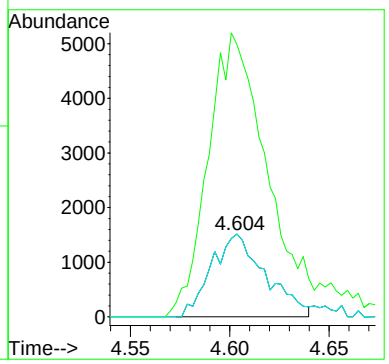


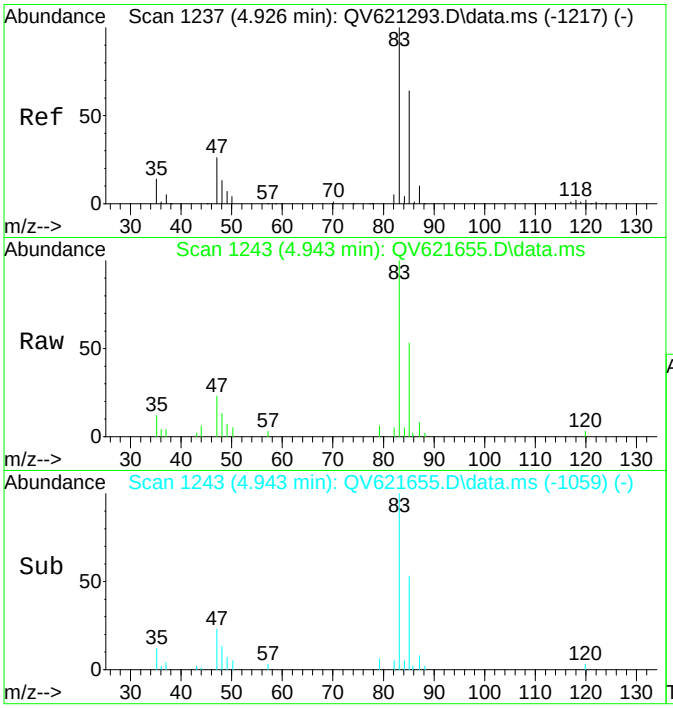


#27
2-Butanone
Concen: 1.06 ppb
RT: 4.604 min Scan# 1121
Delta R.T. 0.015 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion: 72 Resp: 2873

Ion	Ratio	Lower	Upper
72	100		
43	370.3	0.0	0.0#
72	100.0	47.4	142.3

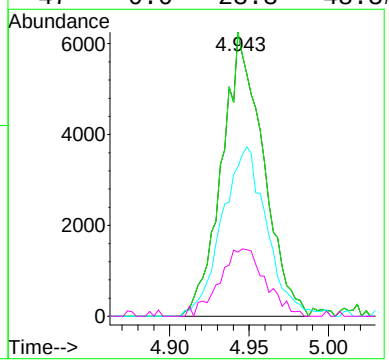


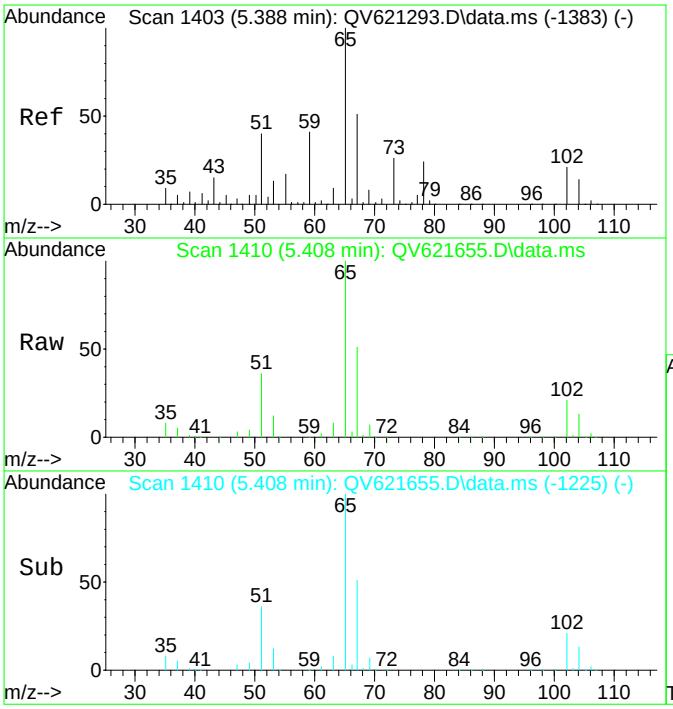


#31
Chloroform
Concen: 0.27 ppb
RT: 4.943 min Scan# 1243
Delta R.T. 0.011 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion: 83 Resp: 11299

Ion	Ratio	Lower	Upper
83	100		
83	100.0	65.0	135.0
85	0.0	0.0	0.0
47	0.0	23.3	48.3#

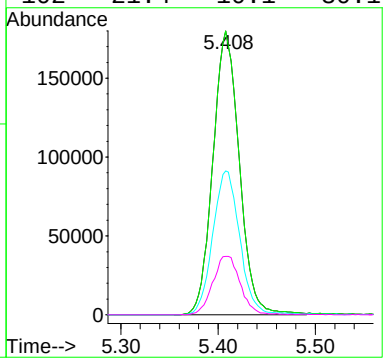


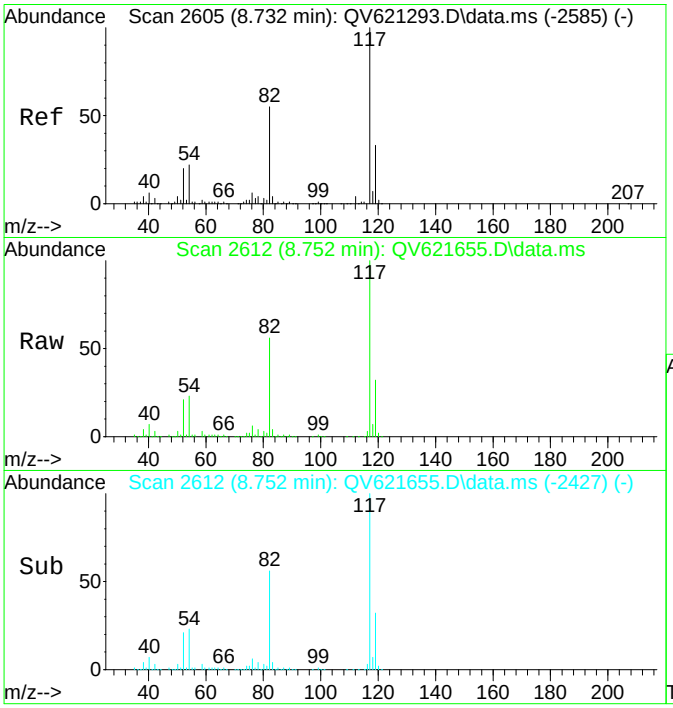


#35
d4-1,2-Dichloroethane (SURR)
Concen: 9.75 ppb
RT: 5.408 min Scan# 1410
Delta R.T. 0.014 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion: 65 Resp: 341073

Ion	Ratio	Lower	Upper
65	100		
65	100.0	65.0	135.0
67	51.8	34.0	70.6
102	21.4	10.1	30.1

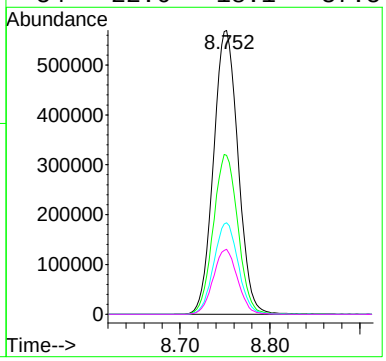


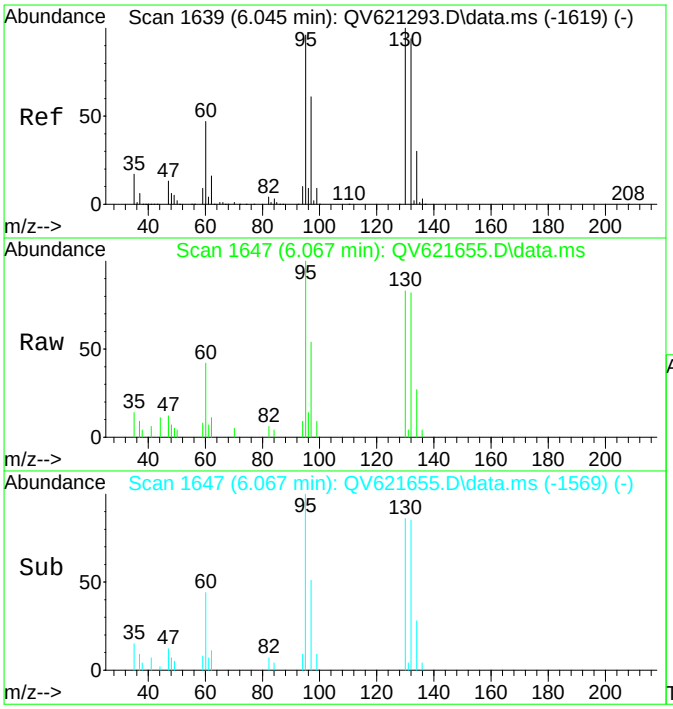


#41
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 8.752 min Scan# 2612
Delta R.T. 0.014 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion:117 Resp: 1081566

Ion	Ratio	Lower	Upper
117	100		
82	56.4	34.5	71.7
119	32.2	20.9	43.3
54	22.6	18.1	37.5

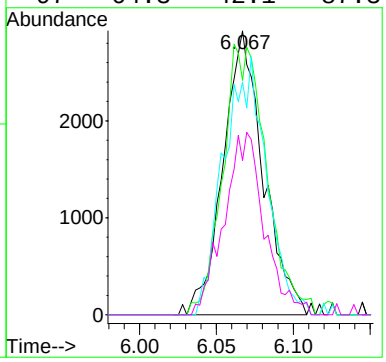


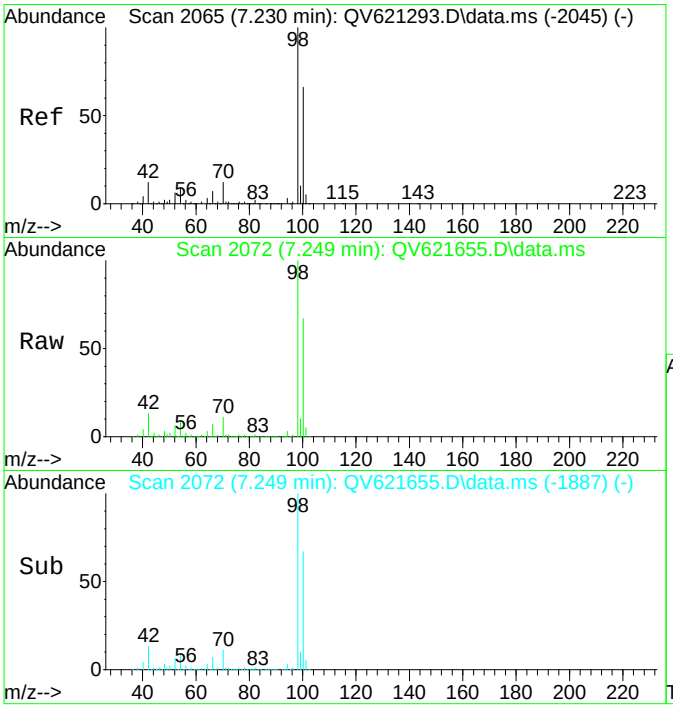


#42
Trichloroethylene
Concen: 0.19 ppb
RT: 6.067 min Scan# 1647
Delta R.T. 0.017 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion: 95 Resp: 5313

Ion	Ratio	Lower	Upper
95	100		
130	50.1	70.0	145.4#
132	95.8	69.6	144.6
97	64.3	42.1	87.3

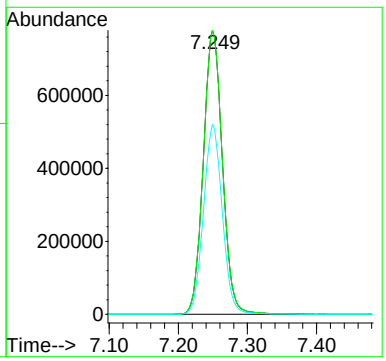


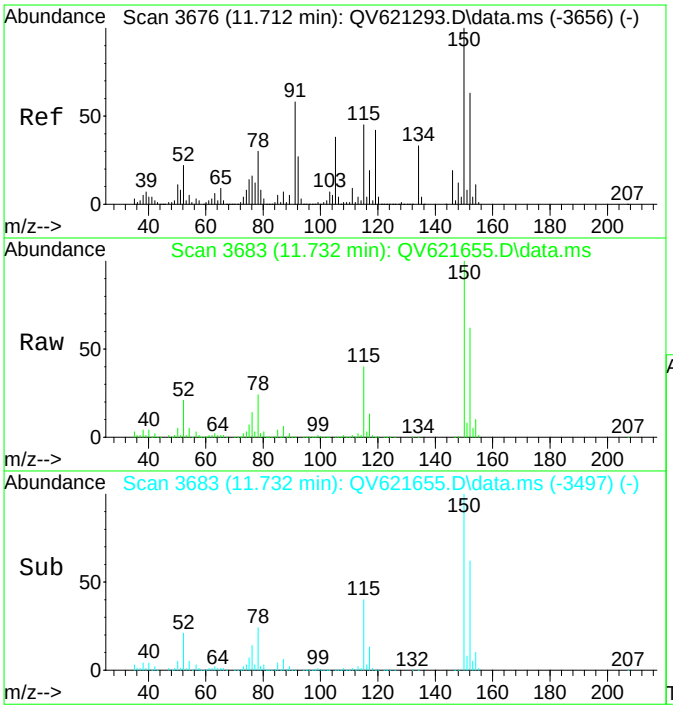


#53
Toluene-d8 (SURR)
Concen: 9.49 ppb
RT: 7.249 min Scan# 2072
Delta R.T. 0.014 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion: 98 Resp: 1496895

Ion	Ratio	Lower	Upper
98	100		
98	100.0	65.0	135.0
100	65.9	44.2	91.8

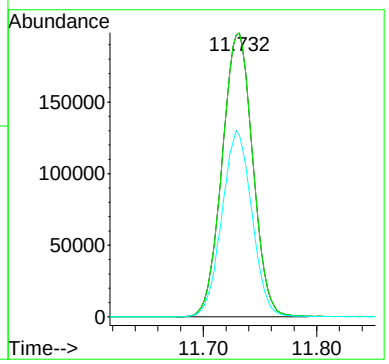


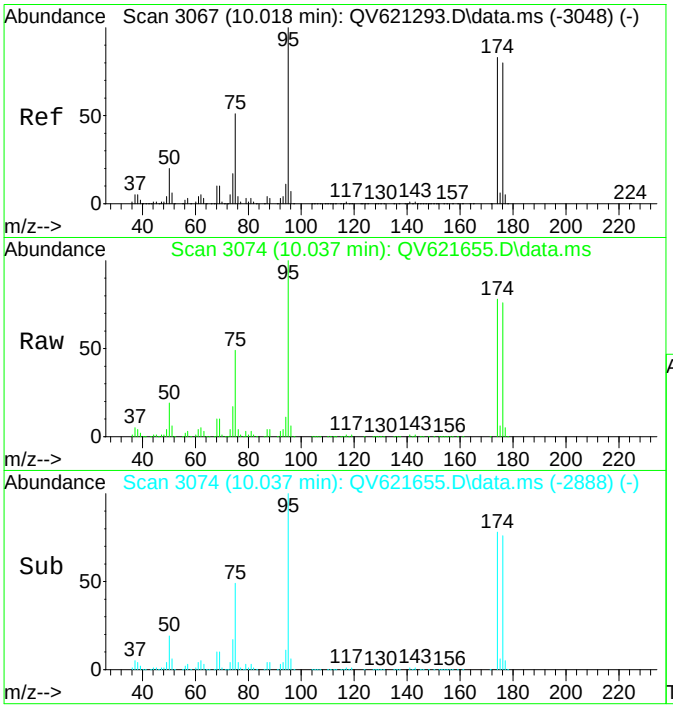


#70
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 10.00 ppb
RT: 11.732 min Scan# 3683
Delta R.T. 0.017 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion:152 Resp: 372236

Ion	Ratio	Lower	Upper
152	100		
152	100.0	50.0	150.0
115	64.3	29.8	89.3

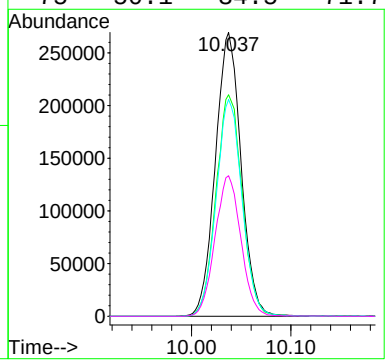




#73
p-Bromofluorobenzene (SURR)
Concen: 10.50 ppb
RT: 10.037 min Scan# 3074
Delta R.T. 0.017 min
Lab File: QV621655.D
Acq: 9 Dec 2020 7:30 pm

Tgt Ion: 95 Resp: 484827

Ion	Ratio	Lower	Upper
95	100		
174	79.6	62.5	129.9
176	77.0	60.7	126.1
75	50.1	34.5	71.7



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-3-L

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-05	File ID:	QV621656.D
Sampled:	12/02/20 13:10	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 19:56
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	1.2	B
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	1.1	
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.32	J
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

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Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001
Instrument:	QVOA6				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	2.3	
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.30	J
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.72	97.2	69 - 130	
SURR: Toluene-d8	10.0	9.49	94.9	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.5	105	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	280621	5.716	295997	5.716	
ISTD: Chlorobenzene-d5	1051614	8.752	1117859	8.749	
ISTD: 1,2-Dichlorobenzene-d4	357743	11.729	396530	11.729	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621656.D
Acq On : 9 Dec 2020 7:56 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-05
Misc : QBQV6120920A 8260 B
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 14 14:08:04 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
Response via : Initial Calibration

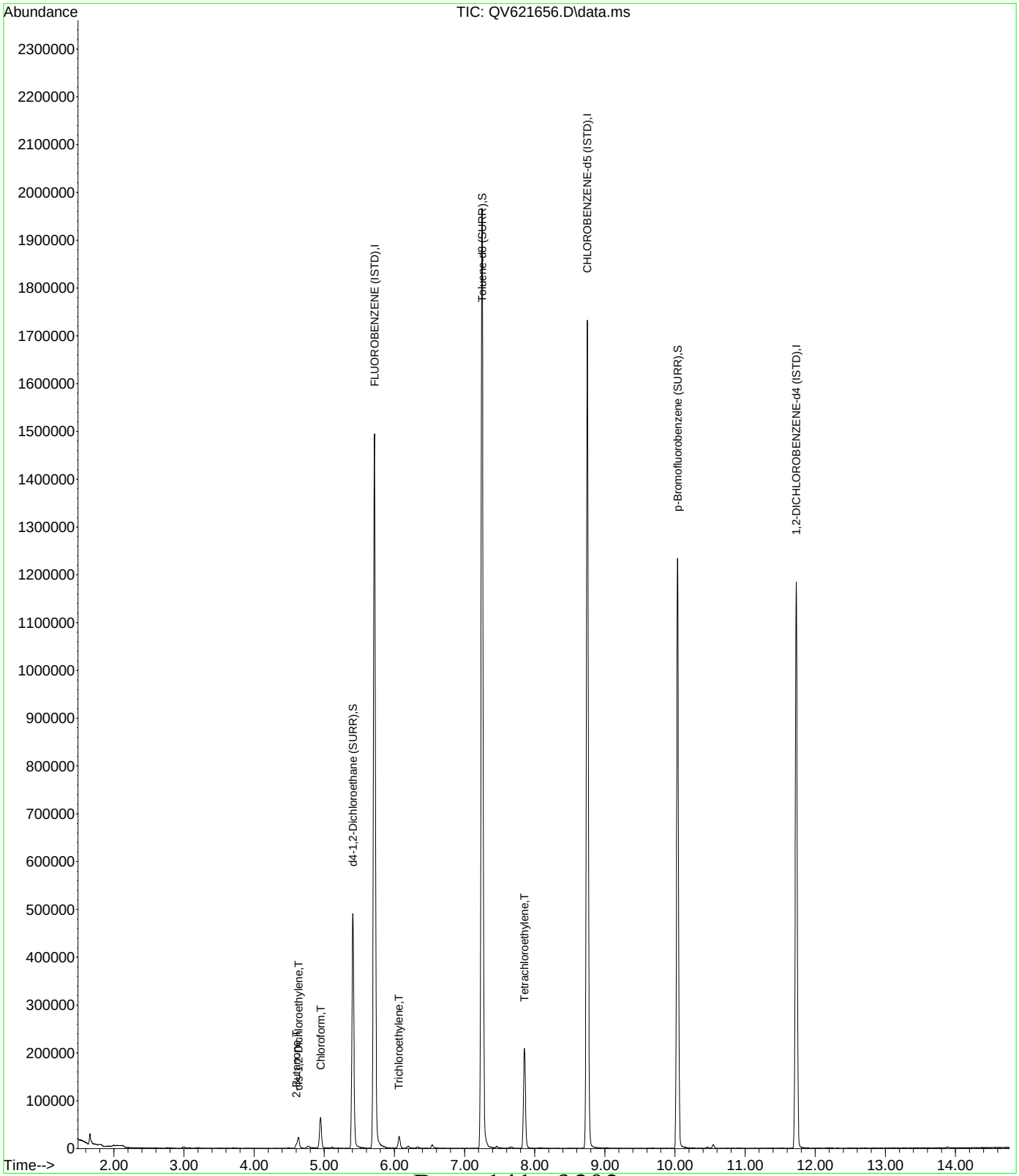
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.716	70	280621	10.00	ppb	#	0.01
41) CHLOROBENZENE-d5 (ISTD)	8.752	117	1051614	10.00	ppb		0.01
70) 1,2-DICHLOROBENZENE-d4...	11.729	152	357743	10.00	ppb		0.01
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.408	65	333574	9.72	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 97.20%				
53) Toluene-d8 (SURR)	7.249	98	1455681	9.49	ppb		0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 94.90%				
73) p-Bromofluorobenzene (...	10.037	95	466557	10.51	ppb		0.02
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.10%				
Target Compounds							Qvalue
26) cis-1,2-Dichloroethylene	4.631	61	11695	0.32	ppb		90
27) 2-Butanone	4.601	72	3113m	1.19	ppb		
31) Chloroform	4.949	83	47243	1.14	ppb	#	96
42) Trichloroethylene	6.064	95	8165	0.30	ppb		94
59) Tetrachloroethylene	7.853	166	67986	2.34	ppb	#	99

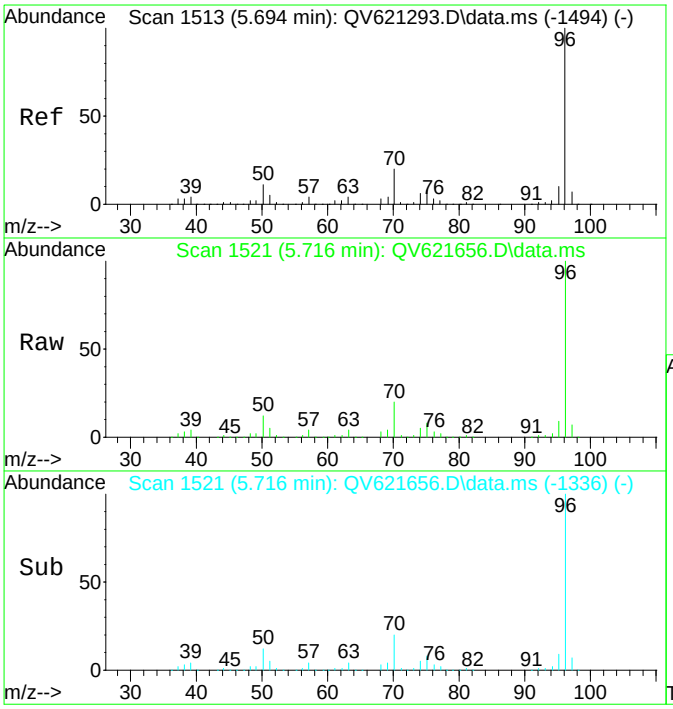
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621656.D
Acq On : 9 Dec 2020 7:56 pm
InstName : QVOA6
Operator : TMP
Sample : 20L0374-05
Misc : QBQV6120920A 8260 B
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Dec 14 14:08:04 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Wed Nov 25 14:39:48 2020
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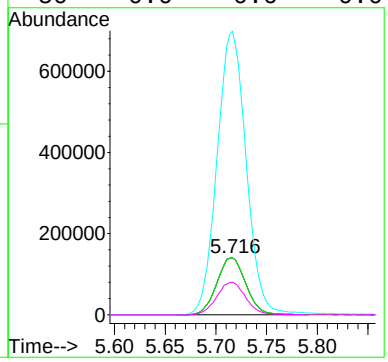


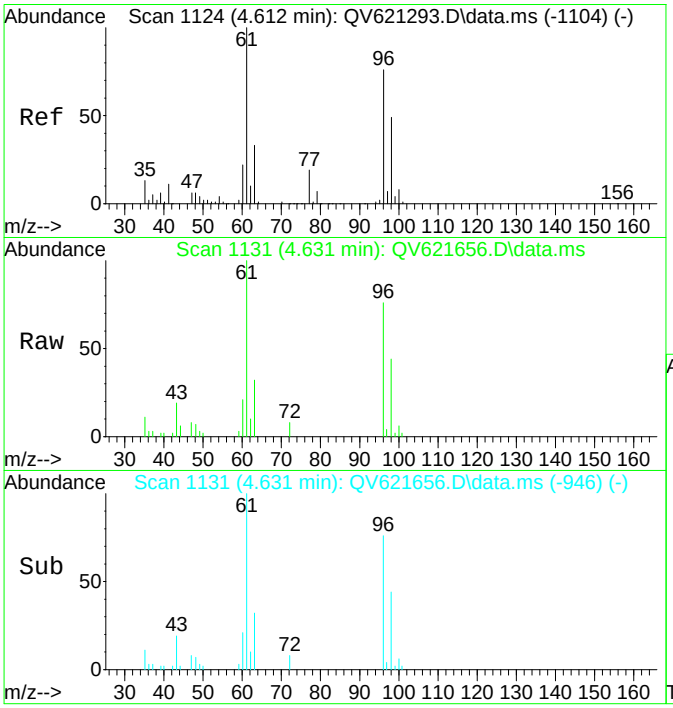


#1
FLUOROBENZENE (ISTD)
Concen: 10.00 ppb
RT: 5.716 min Scan# 1521
Delta R.T. 0.014 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion: 70 Resp: 280621

Ion	Ratio	Lower	Upper
70	100		
70	100.0	65.0	135.0
96	499.0	341.1	708.3
50	0.0	0.0	0.0

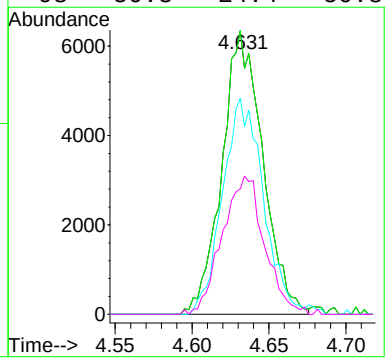


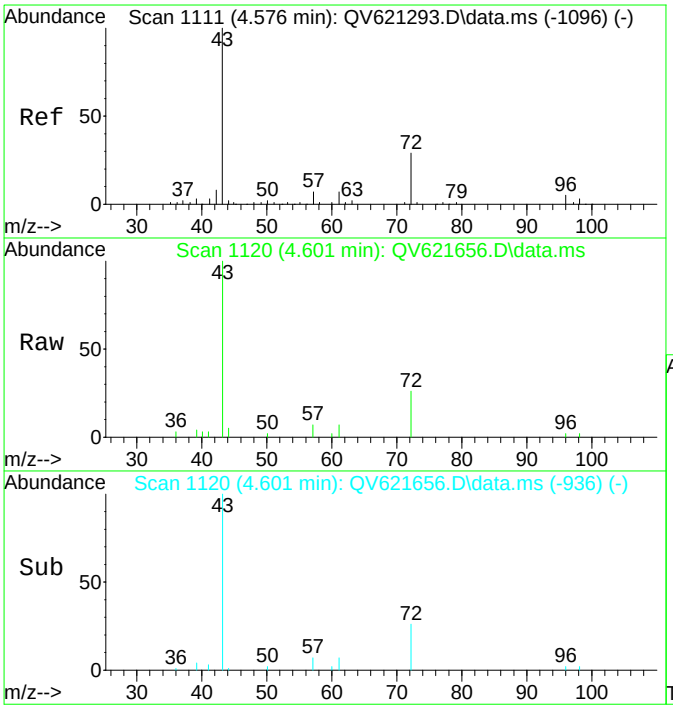


#26
cis-1,2-Dichloroethylene
Concen: 0.32 ppb
RT: 4.631 min Scan# 1131
Delta R.T. 0.014 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion: 61 Resp: 11695

Ion	Ratio	Lower	Upper
61	100		
61	100.0	65.0	135.0
96	76.1	39.2	81.4
98	50.3	24.4	50.8

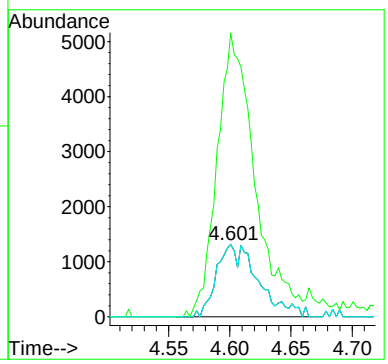


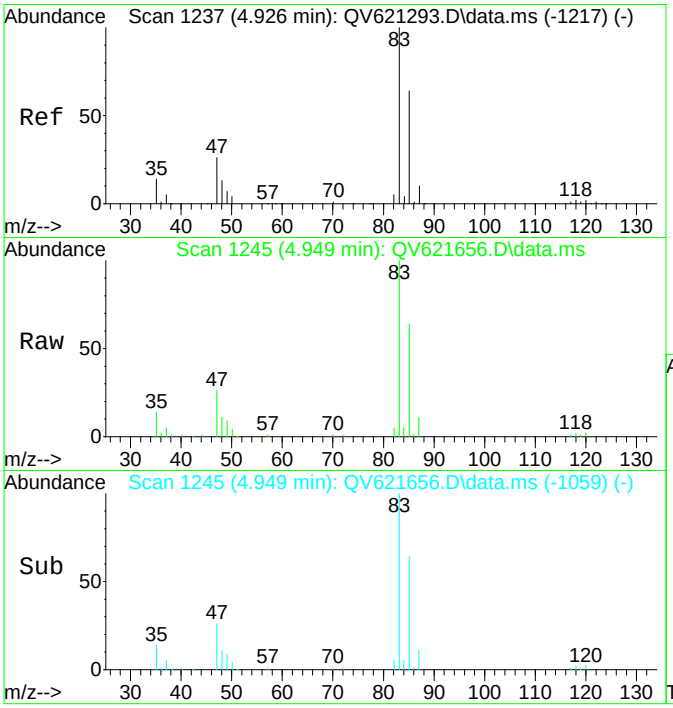


#27
2-Butanone
Concen: 1.19 ppb m
RT: 4.601 min Scan# 1120
Delta R.T. 0.012 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion: 72 Resp: 3113

Ion	Ratio	Lower	Upper
72	100		
43	0.0	0.0	0.0
72	49.4	47.4	142.3

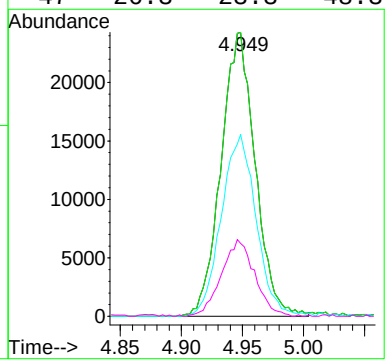


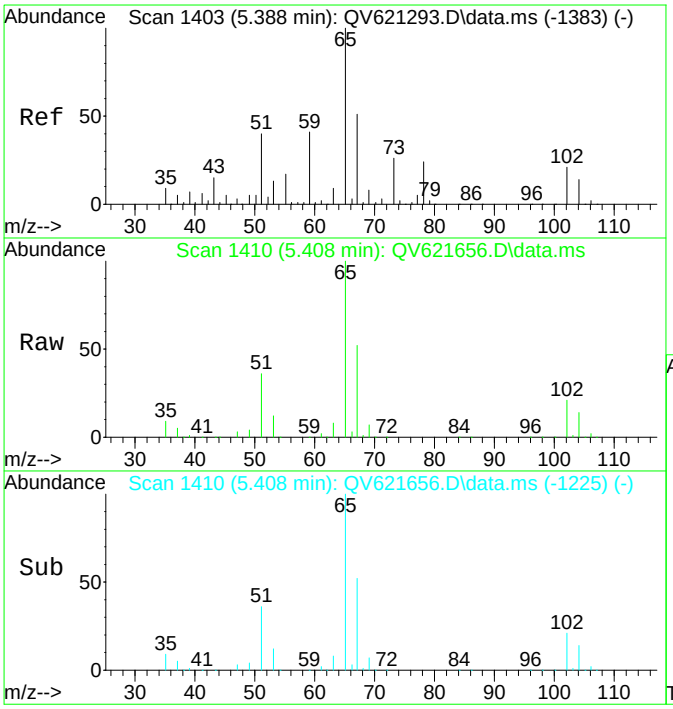


#31
Chloroform
Concen: 1.14 ppb
RT: 4.949 min Scan# 1245
Delta R.T. 0.017 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion: 83 Resp: 47243

Ion	Ratio	Lower	Upper
83	100		
83	100.0	65.0	135.0
85	0.0	0.0	0.0
47	26.3	23.3	48.3

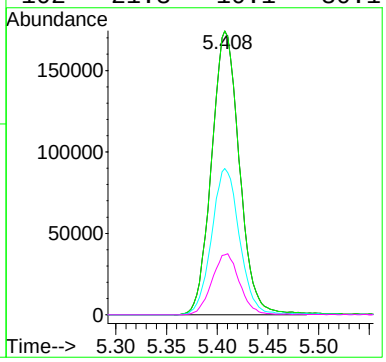


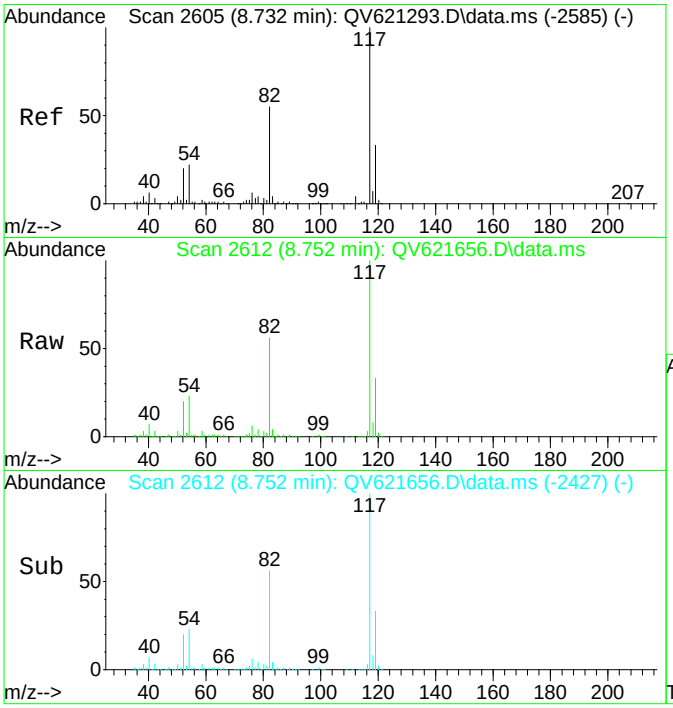


#35
d4-1,2-Dichloroethane (SURR)
Concen: 9.72 ppb
RT: 5.408 min Scan# 1410
Delta R.T. 0.014 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion: 65 Resp: 333574

Ion	Ratio	Lower	Upper
65	100		
65	100.0	65.0	135.0
67	51.8	34.0	70.6
102	21.3	10.1	30.1

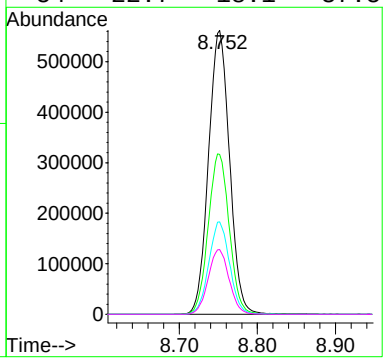


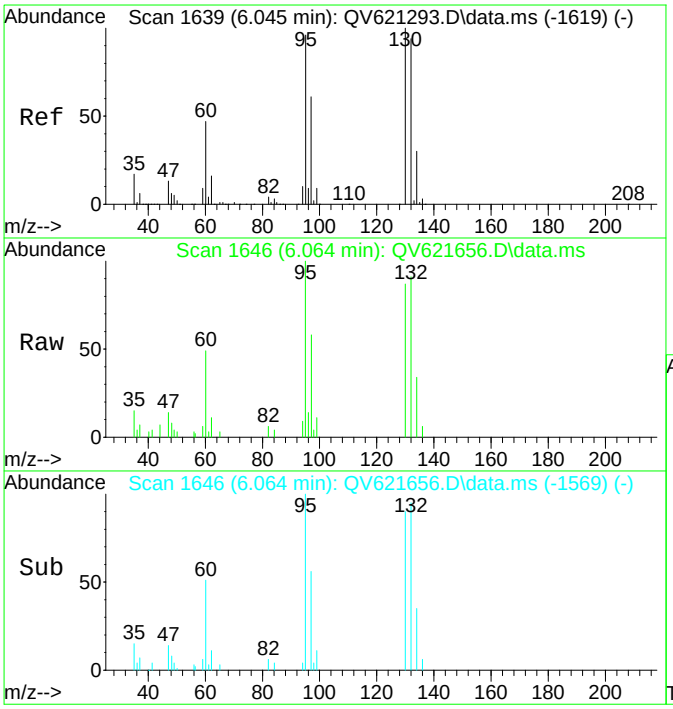


#41
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 8.752 min Scan# 2612
Delta R.T. 0.014 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion:117 Resp: 1051614

Ion	Ratio	Lower	Upper
117	100		
82	56.5	34.5	71.7
119	32.3	20.9	43.3
54	22.7	18.1	37.5

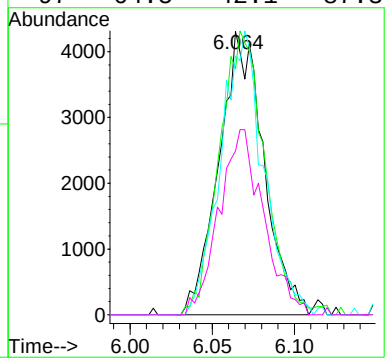


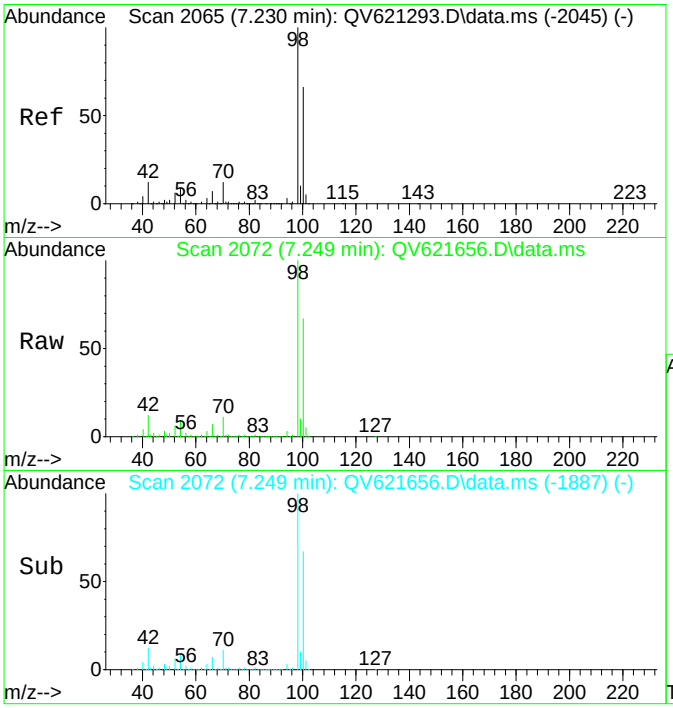


#42
Trichloroethylene
Concen: 0.30 ppb
RT: 6.064 min Scan# 1646
Delta R.T. 0.014 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion: 95 Resp: 8165

Ion	Ratio	Lower	Upper
95	100		
130	101.3	70.0	145.4
132	96.6	69.6	144.6
97	64.5	42.1	87.3

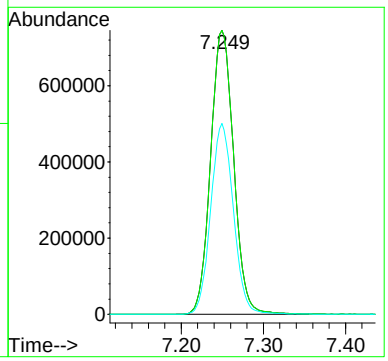


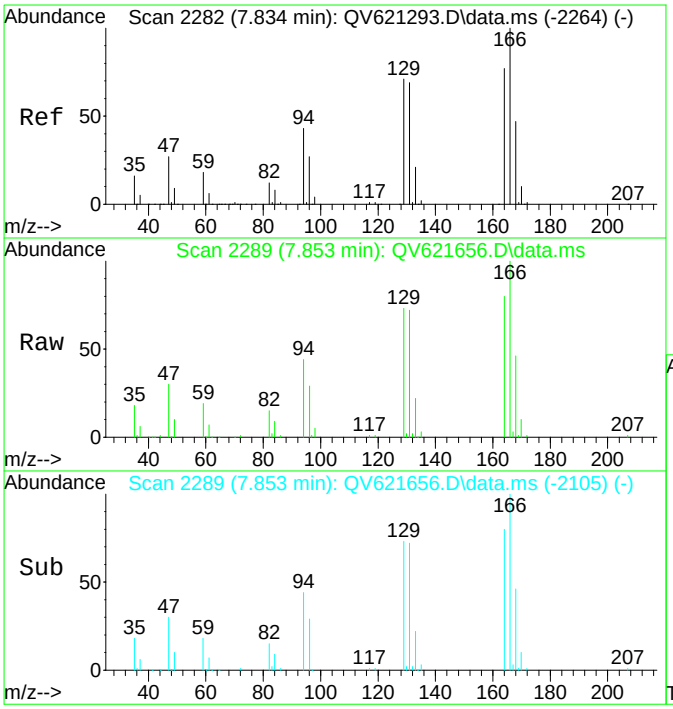


#53
Toluene-d8 (SURR)
Concen: 9.49 ppb
RT: 7.249 min Scan# 2072
Delta R.T. 0.014 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion: 98 Resp: 1455681

Ion	Ratio	Lower	Upper
98	100		
98	100.0	65.0	135.0
100	66.1	44.2	91.8

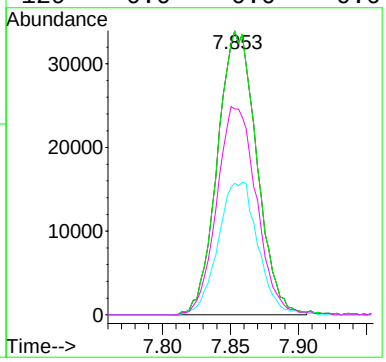


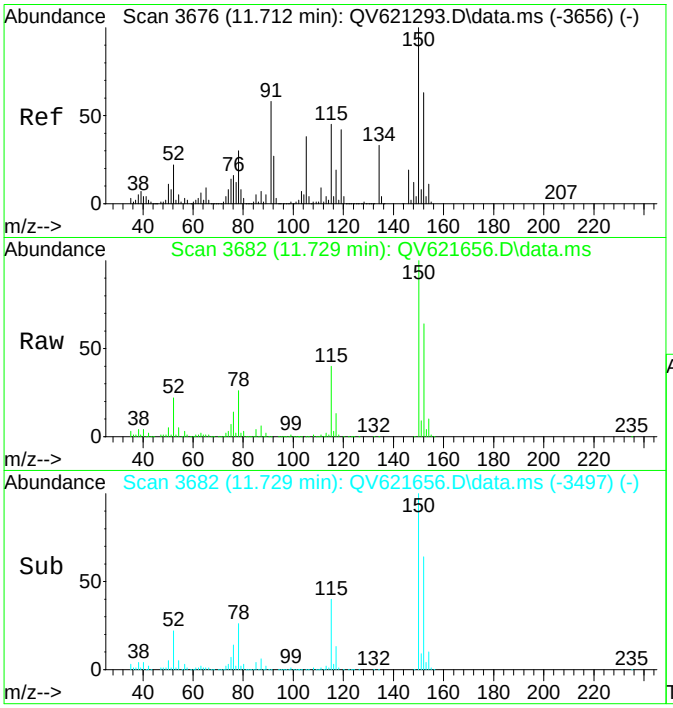


#59
Tetrachloroethylene
Concen: 2.34 ppb
RT: 7.853 min Scan# 2289
Delta R.T. 0.011 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion:166 Resp: 67986

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	47.5	31.7	65.7
129	0.0	0.0	0.0

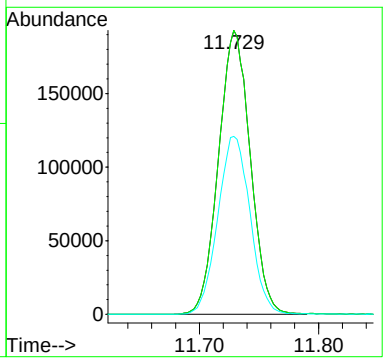


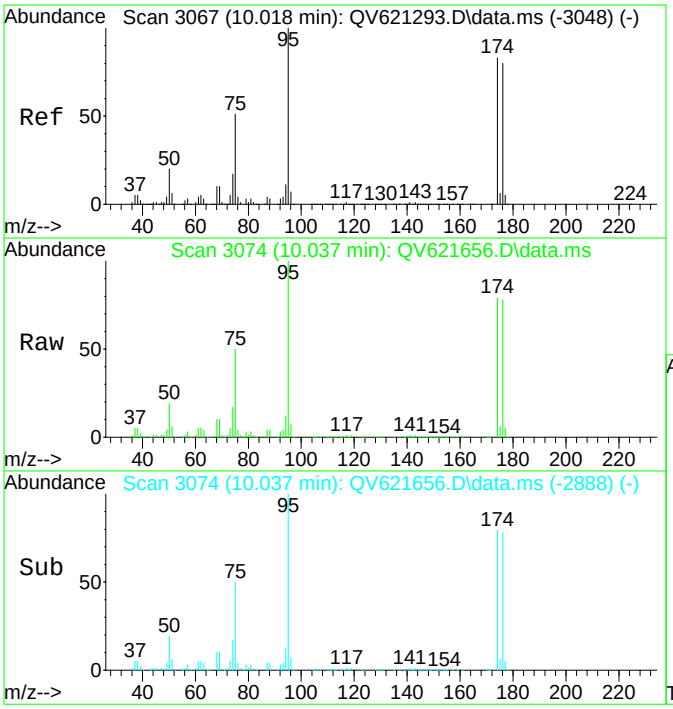


#70
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 10.00 ppb
RT: 11.729 min Scan# 3682
Delta R.T. 0.014 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion:152 Resp: 357743

Ion	Ratio	Lower	Upper
152	100		
152	100.0	50.0	150.0
115	63.6	29.8	89.3

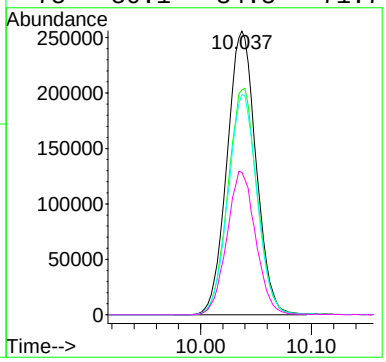




#73
p-Bromofluorobenzene (SURR)
Concen: 10.51 ppb
RT: 10.037 min Scan# 3074
Delta R.T. 0.017 min
Lab File: QV621656.D
Acq: 9 Dec 2020 7:56 pm

Tgt Ion: 95 Resp: 466557

Ion	Ratio	Lower	Upper
95	100		
174	80.1	62.5	129.9
176	77.4	60.7	126.1
75	50.1	34.5	71.7



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EPA 8260C

PW-3-U

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Matrix: Water Laboratory ID: 20L0374-06 File ID: QV915527.D

Sampled: 12/02/20 13:30 Prepared: 12/09/20 06:47 Analyzed: 12/09/20 16:01

Solids: Preparation: EPA 5030B Initial/Final: 25 mL / 25 mL

Batch: BL00509 Sequence: Y0L0933 Calibration: YJ00026 Instrument: QVOA9

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	1.5	
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-3-U

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-06	File ID:	QV915527.D
Sampled:	12/02/20 13:30	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 16:01
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026
Instrument:	QVOA9				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	1.9	
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.0	110	69 - 130	
SURR: Toluene-d8	10.0	9.02	90.2	81 - 117	
SURR: p-Bromofluorobenzene	10.0	8.60	86.0	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	177526	5.752	182053	5.746	
ISTD: Chlorobenzene-d5	745309	8.795	766390	8.792	
ISTD: 1,2-Dichlorobenzene-d4	204289	11.779	216838	11.785	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915527.D
Acq On : 9 Dec 2020 4:01 pm
Operator : TMP
Sample : 20K0374-06
Misc : QBQV9120920A 8260 COMP B PH=6
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 10 14:17:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

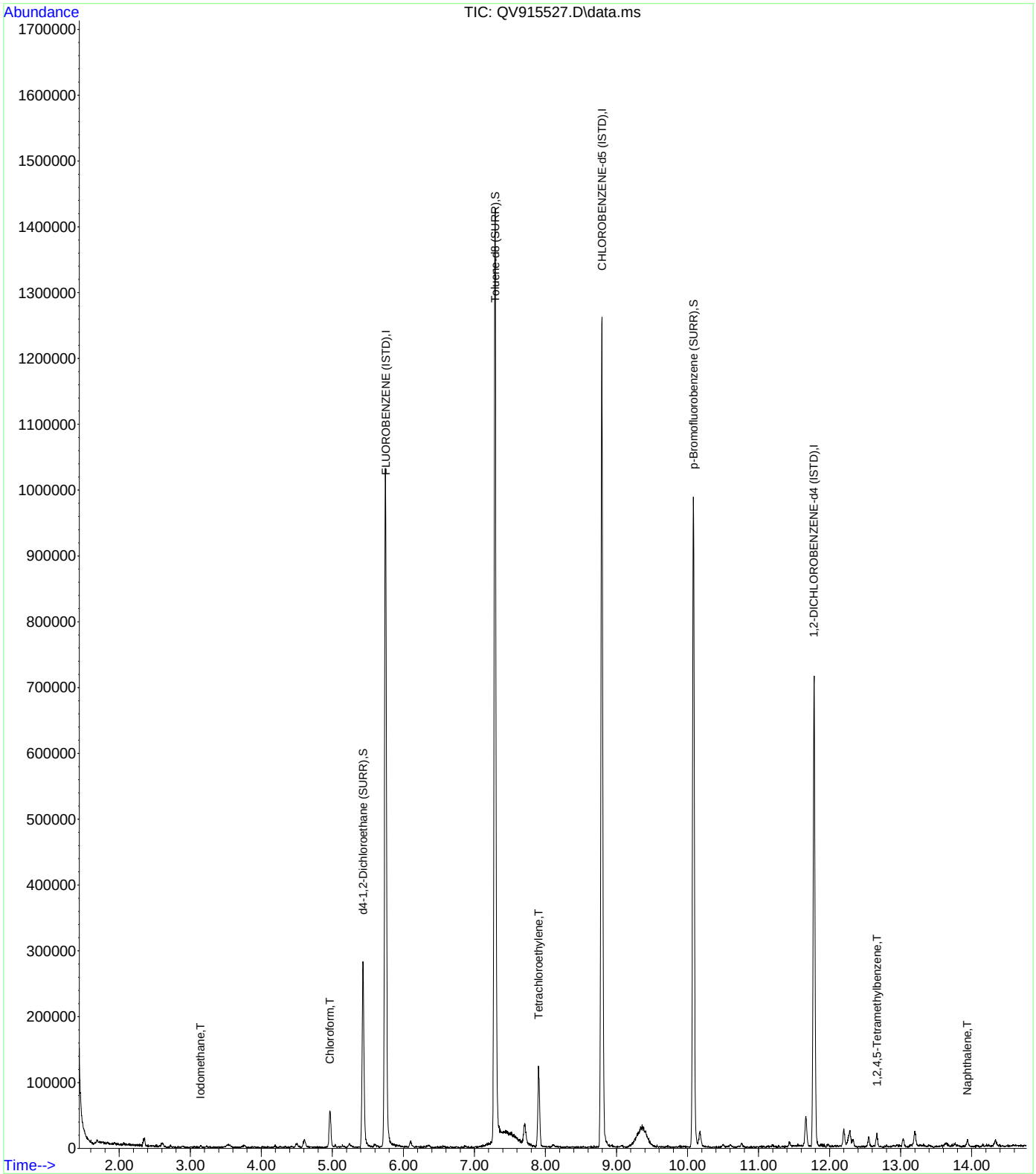
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.752	70	177526	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	745309	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	204289	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.432	65	215786	10.95	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 109.50%				
51) Toluene-d8 (SURR)	7.292	98	1005171	9.02	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 90.20%				
70) p-Bromofluorobenzene (...	10.085	95	368118	8.60	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 86.00%				
Target Compounds							Qvalue
13) Iodomethane	3.143	142	2240m	0.47	ppb		
30) Chloroform	4.965	83	43437	1.48	ppb	#	85
56) Tetrachloroethylene	7.903	166	36872	1.90	ppb	#	100
90) 1,2,4,5-Tetramethylben...	12.665	119	9267	0.17	ppb		96
93) Naphthalene	13.935	128	7644	0.28	ppb	#	91

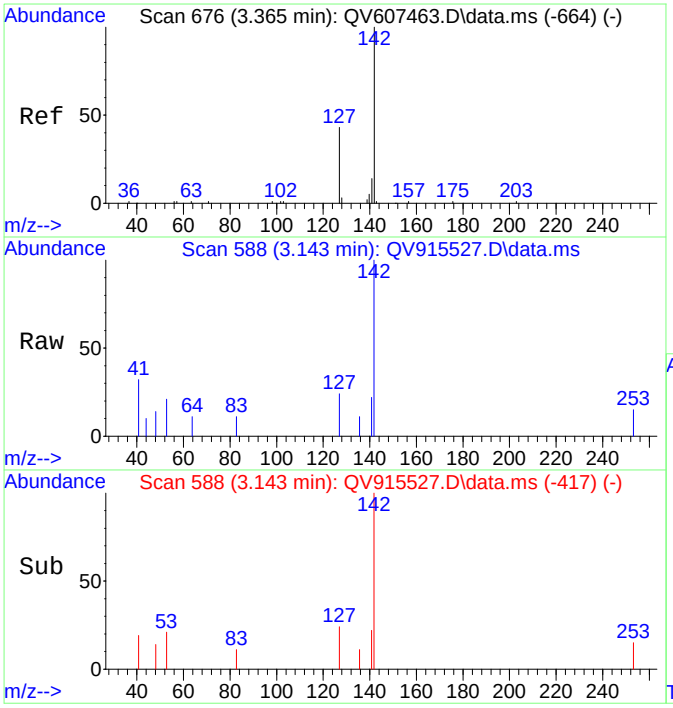
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915527.D
Acq On : 9 Dec 2020 4:01 pm
Operator : TMP
Sample : 20K0374-06
Misc : QBQV9120920A 8260 COMP B PH=6
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Dec 10 14:17:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

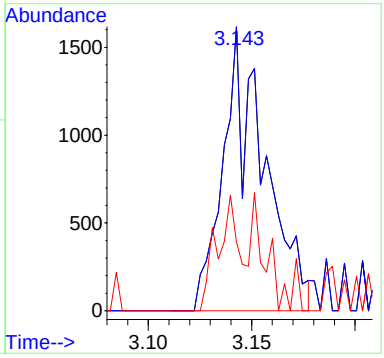


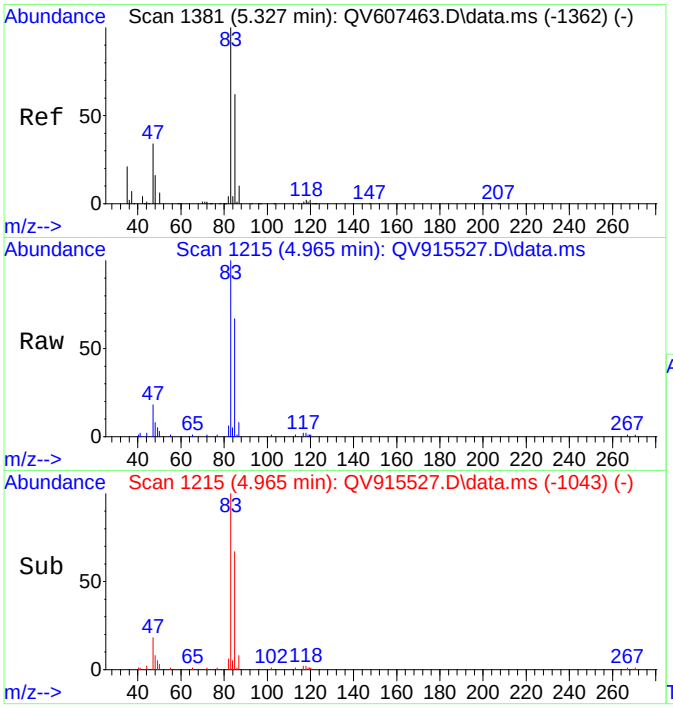


#13
Iodomethane
Concen: 0.47 ppb m
RT: 3.143 min Scan# 588
Delta R.T. -0.003 min
Lab File: QV915527.D
Acq: 9 Dec 2020 4:01 pm

Tgt Ion:142 Resp: 2240

Ion	Ratio	Lower	Upper
142	100		
142	45.0	64.2	96.2#
127	13.5	11.2	33.5

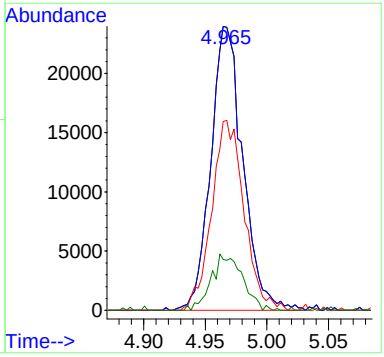


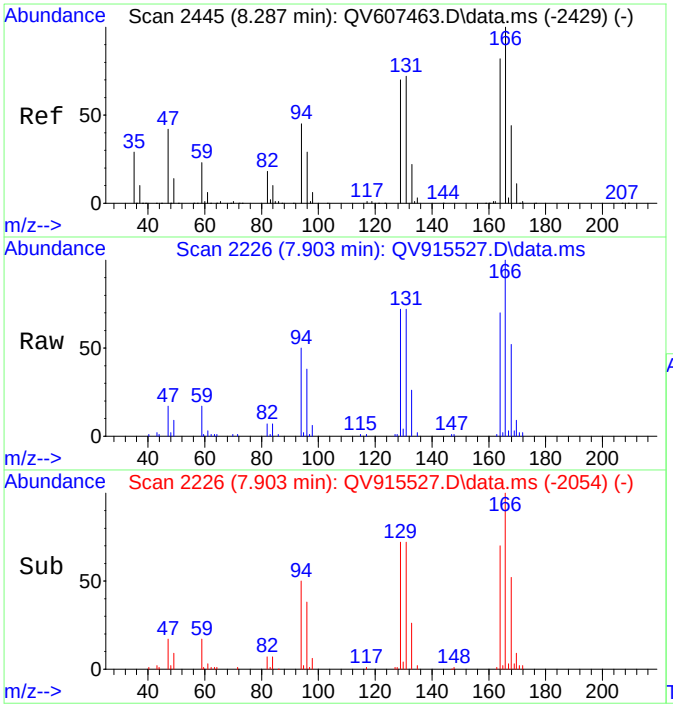


#30
Chloroform
Concen: 1.48 ppb
RT: 4.965 min Scan# 1215
Delta R.T. -0.000 min
Lab File: QV915527.D
Acq: 9 Dec 2020 4:01 pm

Tgt Ion: 83 Resp: 43437

Ion	Ratio	Lower	Upper
83	100		
83	100.0	65.0	135.0
85	67.5	0.0	0.0#
47	0.0	21.9	45.5#

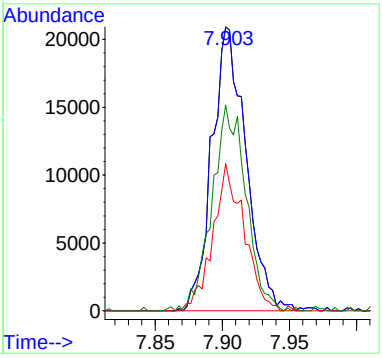


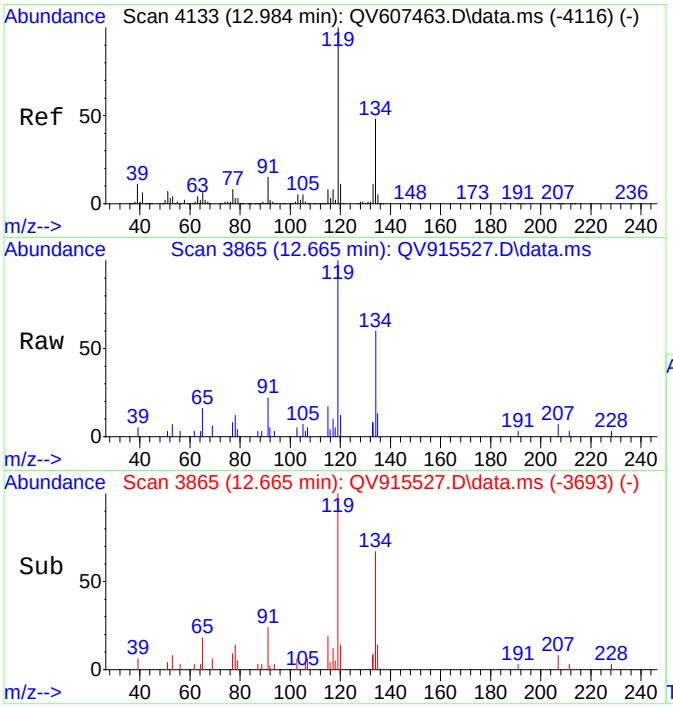


#56
Tetrachloroethylene
Concen: 1.90 ppb
RT: 7.903 min Scan# 2226
Delta R.T. -0.000 min
Lab File: QV915527.D
Acq: 9 Dec 2020 4:01 pm

Tgt Ion:166 Resp: 36872

Ion	Ratio	Lower	Upper
166	100		
166	100.0	65.0	135.0
168	47.4	0.0	0.0#
129	0.0	0.0	0.0

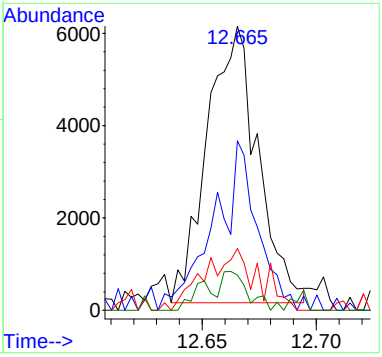


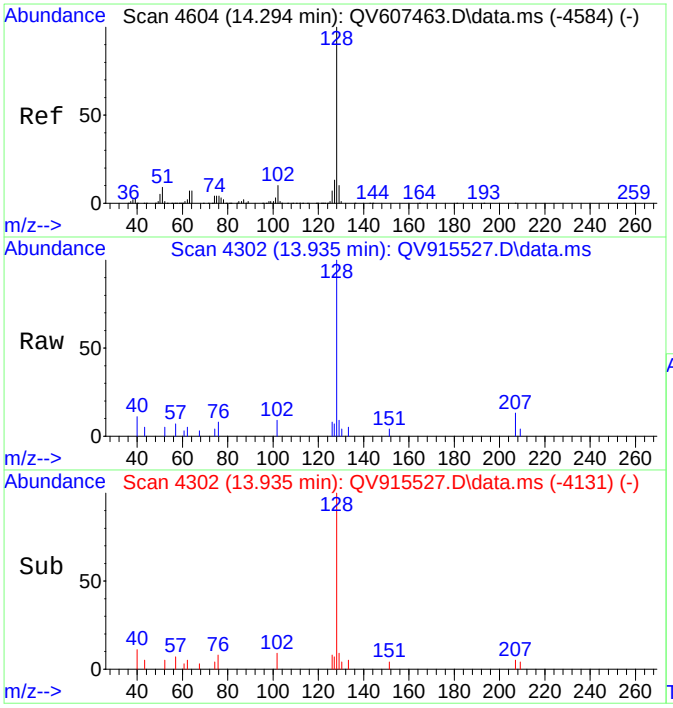


#90
1,2,4,5-Tetramethylbenzene
Concen: 0.17 ppb
RT: 12.665 min Scan# 3865
Delta R.T. 0.000 min
Lab File: QV915527.D
Acq: 9 Dec 2020 4:01 pm

Tgt Ion:119 Resp: 9267

Ion	Ratio	Lower	Upper
119	100		
134	52.0	35.4	73.6
91	18.0	9.9	20.7
120	7.4	3.8	7.8

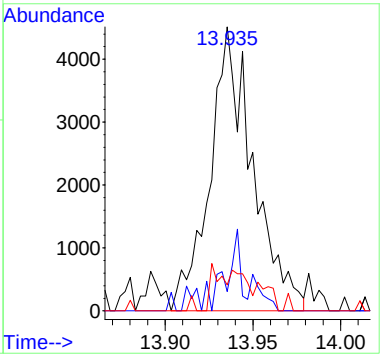




#93
Naphthalene
Concen: 0.28 ppb
RT: 13.935 min Scan# 4302
Delta R.T. -0.003 min
Lab File: QV915527.D
Acq: 9 Dec 2020 4:01 pm

Tgt Ion:128 Resp: 7644

Ion	Ratio	Lower	Upper
128	100		
127	10.1	9.0	18.6
129	3.5	3.9	8.1#



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-4-L

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-07	File ID:	QV915524.D
Sampled:	12/02/20 13:50	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 14:43
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026
Instrument:	QVOA9				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-4-L

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-07	File ID:	QV915524.D
Sampled:	12/02/20 13:50	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 14:43
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026
Instrument:	QVOA9				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.0	110	69 - 130	
SURR: Toluene-d8	10.0	9.05	90.5	81 - 117	
SURR: p-Bromofluorobenzene	10.0	8.74	87.4	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	183730	5.749	182053	5.746	
ISTD: Chlorobenzene-d5	735894	8.795	766390	8.792	
ISTD: 1,2-Dichlorobenzene-d4	203230	11.779	216838	11.785	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915524.D
Acq On : 9 Dec 2020 2:43 pm
Operator : TMP
Sample : 20K0374-07
Misc : QBQV9120920A 8260 COMP B PH=6
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 14:07:46 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

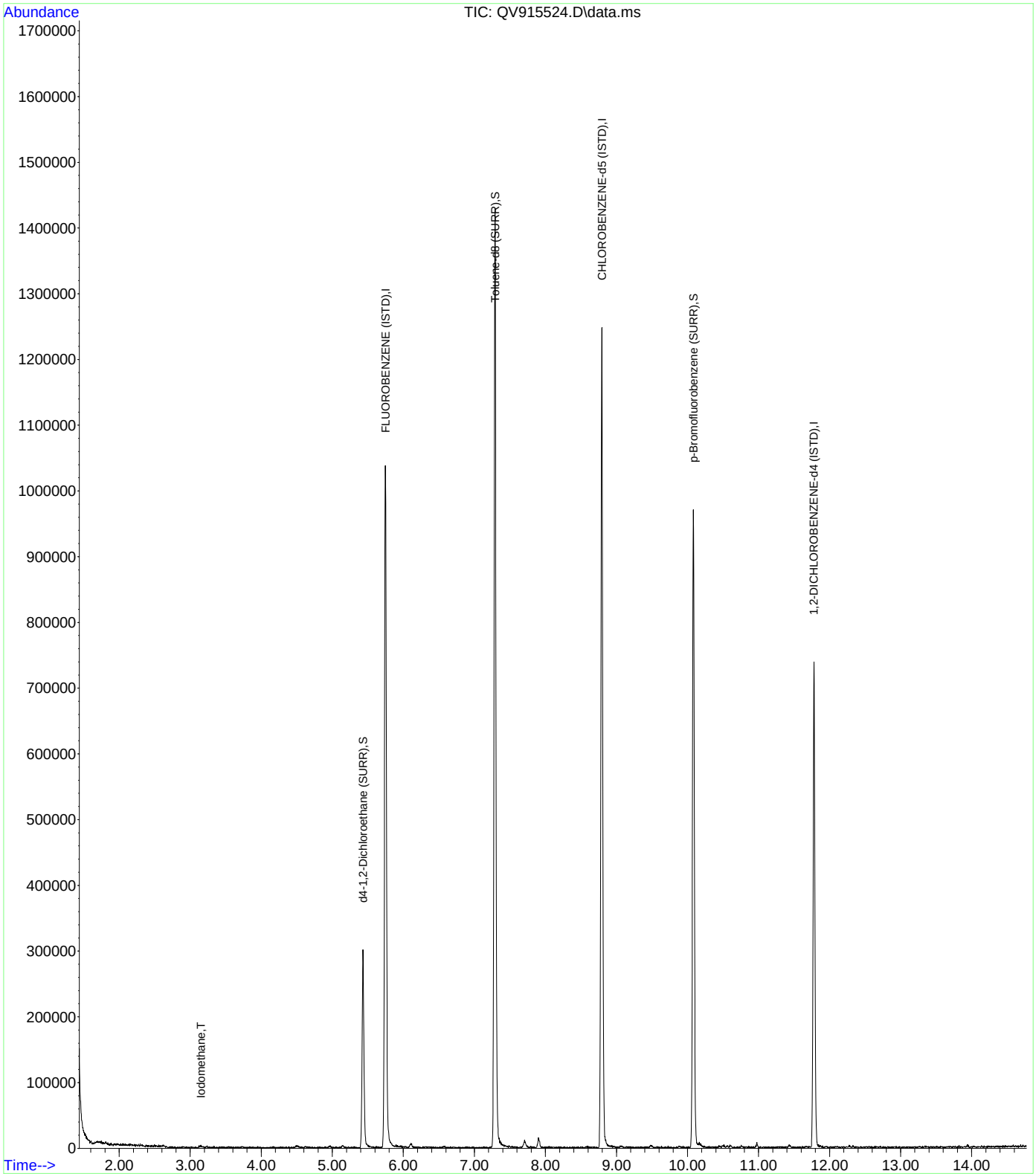
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.749	70	183730	10.00	ppb	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	735894	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	203230	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.433	65	223256	10.95	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 109.50%			
51) Toluene-d8 (SURR)	7.290	98	995349	9.05	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 90.50%			
70) p-Bromofluorobenzene (...	10.082	95	372153	8.74	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 87.40%			
Target Compounds						Qvalue
13) Iodomethane	3.148	142	2092	0.42	ppb	# 69

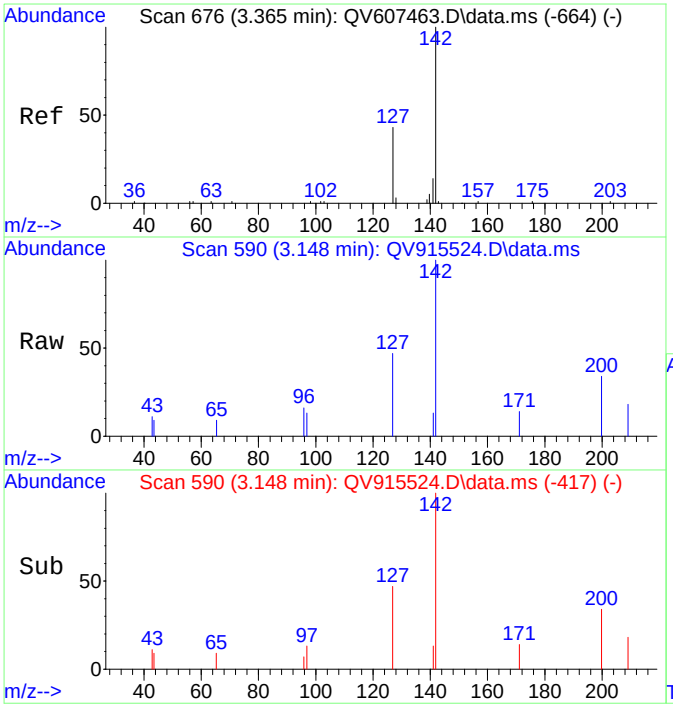
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915524.D
Acq On : 9 Dec 2020 2:43 pm
Operator : TMP
Sample : 20K0374-07
Misc : QBQV9120920A 8260 COMP B PH=6
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Dec 10 14:07:46 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

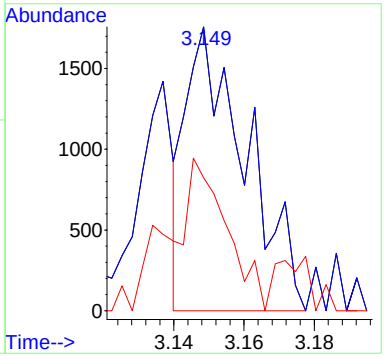




#13
Iodomethane
Concen: 0.42 ppb
RT: 3.148 min Scan# 590
Delta R.T. 0.002 min
Lab File: QV915524.D
Acq: 9 Dec 2020 2:43 pm

Tgt Ion:142 Resp: 2092

Ion	Ratio	Lower	Upper
142	100		
142	100.0	64.2	96.2#
127	51.9	11.2	33.5#



FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-4-U

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-08	File ID:	QV915525.D
Sampled:	12/02/20 14:15	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 15:09
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026
Instrument:	QVOA9				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	1	0.50	U
71-55-6	1,1,1-Trichloroethane	1	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	1	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	1	0.50	U
79-00-5	1,1,2-Trichloroethane	1	0.50	U
75-34-3	1,1-Dichloroethane	1	0.50	U
75-35-4	1,1-Dichloroethylene	1	0.50	U
87-61-6	1,2,3-Trichlorobenzene	1	0.50	U
96-18-4	1,2,3-Trichloropropane	1	0.50	U
120-82-1	1,2,4-Trichlorobenzene	1	0.50	U
95-63-6	1,2,4-Trimethylbenzene	1	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	1	0.50	U
106-93-4	1,2-Dibromoethane	1	0.50	U
95-50-1	1,2-Dichlorobenzene	1	0.50	U
107-06-2	1,2-Dichloroethane	1	0.50	U
78-87-5	1,2-Dichloropropane	1	0.50	U
108-67-8	1,3,5-Trimethylbenzene	1	0.50	U
541-73-1	1,3-Dichlorobenzene	1	0.50	U
106-46-7	1,4-Dichlorobenzene	1	0.50	U
123-91-1	1,4-Dioxane	1	40	U
78-93-3	2-Butanone	1	0.50	U
591-78-6	2-Hexanone	1	0.50	U
108-10-1	4-Methyl-2-pentanone	1	0.50	U
67-64-1	Acetone	1	2.0	U
107-02-8	Acrolein	1	0.50	U
107-13-1	Acrylonitrile	1	0.50	U
71-43-2	Benzene	1	0.50	U
74-97-5	Bromochloromethane	1	0.50	U
75-27-4	Bromodichloromethane	1	0.50	U
75-25-2	Bromoform	1	0.50	U
74-83-9	Bromomethane	1	0.50	U
75-15-0	Carbon disulfide	1	0.50	U
56-23-5	Carbon tetrachloride	1	0.50	U
108-90-7	Chlorobenzene	1	0.50	U
75-00-3	Chloroethane	1	0.50	U
67-66-3	Chloroform	1	0.50	U
74-87-3	Chloromethane	1	0.50	U
156-59-2	cis-1,2-Dichloroethylene	1	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	1	0.50	U
110-82-7	Cyclohexane	1	0.50	U

FORM I

ORGANIC ANALYSIS DATA SHEET

EPA 8260C

PW-4-U

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	20L0374-08	File ID:	QV915525.D
Sampled:	12/02/20 14:15	Prepared:	12/09/20 06:47	Analyzed:	12/09/20 15:09
Solids:		Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026
Instrument:	QVOA9				

CAS NO.	COMPOUND	DILUTION	CONC. (ug/L)	Q
124-48-1	Dibromochloromethane	1	0.50	U
74-95-3	Dibromomethane	1	0.50	U
75-71-8	Dichlorodifluoromethane	1	0.50	U
100-41-4	Ethyl Benzene	1	0.50	U
87-68-3	Hexachlorobutadiene	1	0.50	U
98-82-8	Isopropylbenzene	1	0.50	U
79-20-9	Methyl acetate	1	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	1	0.50	U
108-87-2	Methylcyclohexane	1	0.50	U
75-09-2	Methylene chloride	1	2.0	U
104-51-8	n-Butylbenzene	1	0.50	U
103-65-1	n-Propylbenzene	1	0.50	U
95-47-6	o-Xylene	1	0.50	U
179601-23-1	p- & m- Xylenes	1	1.0	U
99-87-6	p-Isopropyltoluene	1	0.50	U
135-98-8	sec-Butylbenzene	1	0.50	U
100-42-5	Styrene	1	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1	1.0	U
98-06-6	tert-Butylbenzene	1	0.50	U
127-18-4	Tetrachloroethylene	1	0.50	U
108-88-3	Toluene	1	0.50	U
156-60-5	trans-1,2-Dichloroethylene	1	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	1	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	1	0.50	U
79-01-6	Trichloroethylene	1	0.50	U
75-69-4	Trichlorofluoromethane	1	0.50	U
75-01-4	Vinyl Chloride	1	0.50	U
1330-20-7	Xylenes, Total	1	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	11.0	110	69 - 130	
SURR: Toluene-d8	10.0	9.06	90.6	81 - 117	
SURR: p-Bromofluorobenzene	10.0	8.98	89.8	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	182480	5.746	182053	5.746	
ISTD: Chlorobenzene-d5	728531	8.792	766390	8.792	
ISTD: 1,2-Dichlorobenzene-d4	197646	11.779	216838	11.785	

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915525.D
Acq On : 9 Dec 2020 3:09 pm
Operator : TMP
Sample : 20K0374-08
Misc : QBQV9120920A 8260 COMP B PH=6
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 10 14:11:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

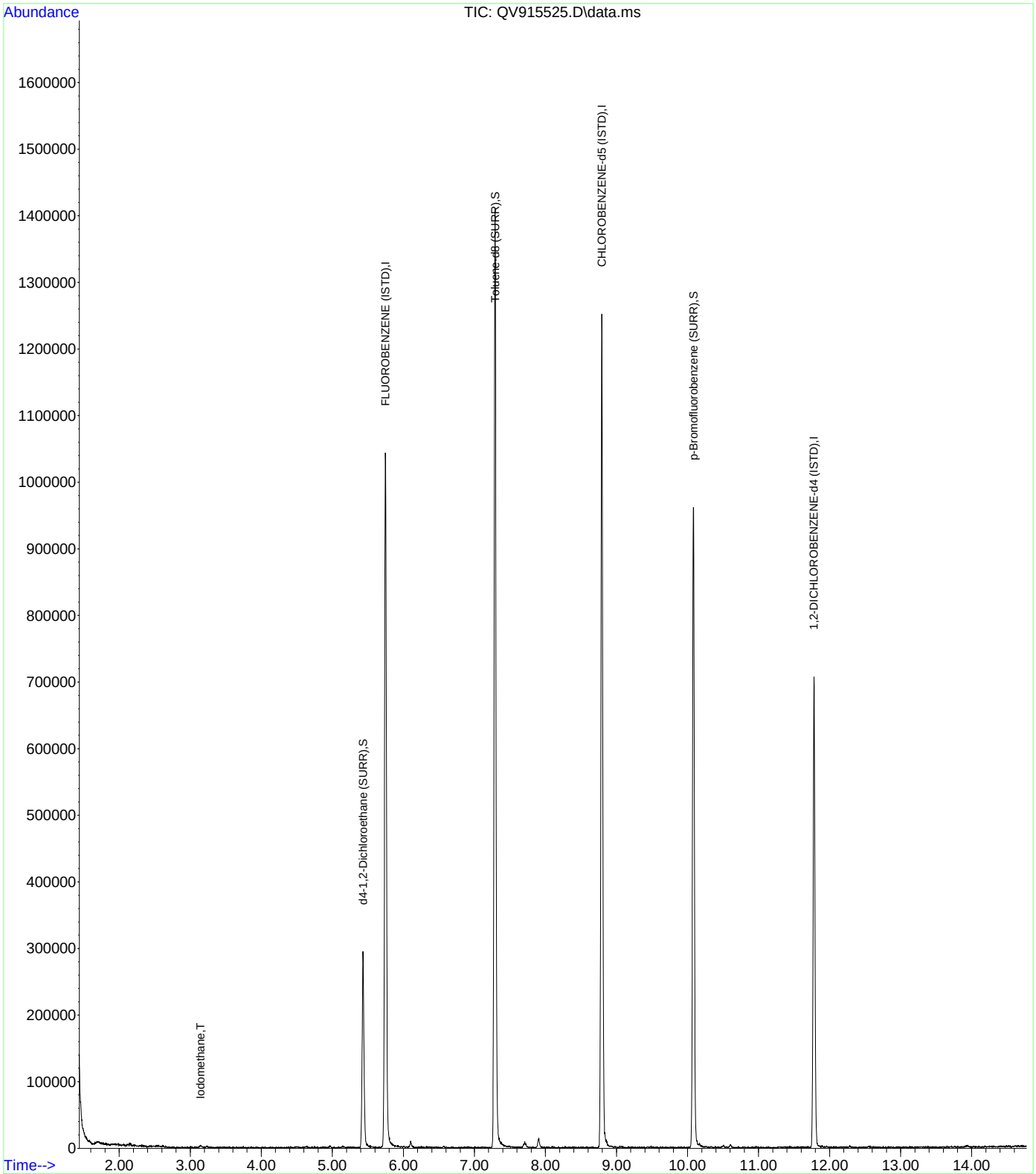
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.746	70	182480	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	728531	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	197646	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.432	65	222368	10.98	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 109.80%			
51) Toluene-d8 (SURR)	7.289	98	986959	9.06	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 90.60%			
70) p-Bromofluorobenzene (...	10.082	95	371935	8.98	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 89.80%			
Target Compounds						Qvalue
13) Iodomethane	3.143	142	3048	0.62	ppb	# 76

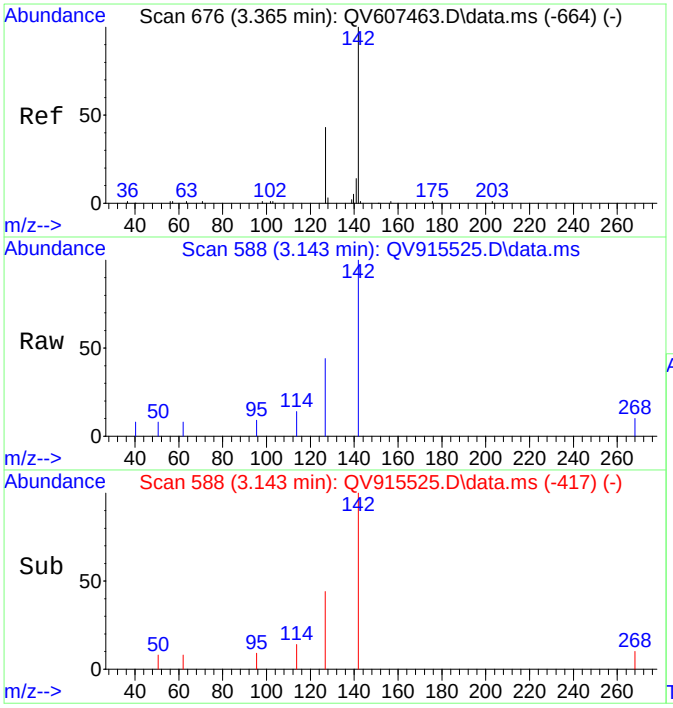
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915525.D
Acq On : 9 Dec 2020 3:09 pm
Operator : TMP
Sample : 20K0374-08
Misc : QBQV9120920A 8260 COMP B PH=6
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Dec 10 14:11:33 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

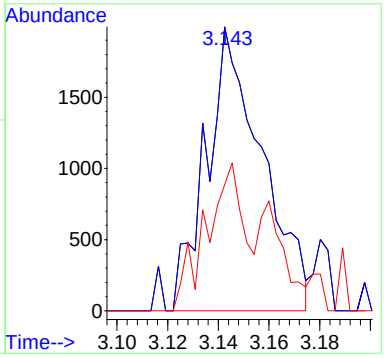




#13
Iodomethane
Concen: 0.62 ppb
RT: 3.143 min Scan# 588
Delta R.T. -0.003 min
Lab File: QV915525.D
Acq: 9 Dec 2020 3:09 pm

Tgt Ion:142 Resp: 3048

Ion	Ratio	Lower	Upper
142	100		
142	100.0	64.2	96.2#
127	35.8	11.2	33.5#



FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YJ00026

SDG: 20L0374

Project: IMPL0115.6 218 Lakeville

Instrument: QVOA9

Calibration Date: 10/26/20 10:19

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	0.5	0.2043603	2	0.2400828	4	0.2181957	10	0.2097023	20	0.2303896	40	0.2385878
1,1,1-Trichloroethane	0.5	1.440821	2	1.680425	4	1.645867	10	1.197041	20	1.439252	40	1.618084
1,1,2,2-Tetrachloroethane	0.5	0.4880579	2	0.5248511	4	0.5212468	10	0.5234111	20	0.5748612	40	0.5458677
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	0.5	0.5981448	2	0.7335901	4	0.4878954	10	0.4469406	20	0.5883809	40	0.665945
1,1,2-Trichloroethane	0.5	0.1164092	2	0.1391107	4	0.1413987	10	0.1290414	20	0.1399584	40	0.1393404
1,1-Dichloroethane	0.5	1.445547	2	1.546985	4	1.437255	10	1.192797	20	1.387586	40	1.487544
1,1-Dichloroethylene	0.5	1.106704	2	1.249652	4	1.138981	10	0.8521636	20	1.041727	40	1.1731
1,1-Dichloropropylene	0.5	1.180411	2	1.253429	4	1.18245	10	0.8772589	20	1.053888	40	1.207
1,2,3-Trichlorobenzene	0.5	0.4827161	2	0.4342075	4	0.4856326	10	0.4044857	20	0.4633809	40	0.4458184
1,2,3-Trichloropropane	0.5	0.1351893	2	0.2083454	4	0.1711987	10	0.1764913	20	0.1955209	40	0.1840033
1,2,4,5-Tetramethylbenzene	0.5	2.408752	2	2.590523	4	2.864974	10	2.364069	20	2.759025	40	2.695038
1,2,4-Trichlorobenzene	0.5	0.5894499	2	0.5775458	4	0.6428451	10	0.5649546	20	0.6224256	40	0.6263362
1,2,4-Trimethylbenzene	0.5	4.241409	2	4.432983	4	4.153751	10	3.682669	20	4.283384	40	4.205346
1,2-Dibromo-3-chloropropa ne	0.5	8.793467E-02	2	0.1038474	4	0.1100282	10	0.1097698	20	0.1225832	40	0.1182083
1,2-Dibromoethane	0.5	0.1020306	2	0.1355845	4	0.1433827	10	0.1273336	20	0.1385139	40	0.138817
1,2-Dichlorobenzene	0.5	1.264574	2	1.356618	4	1.285538	10	1.287212	20	1.428185	40	1.41242
1,2-Dichloroethane	0.5	0.8197811	2	1.000432	4	0.9865177	10	0.880092	20	0.9794346	40	0.9856223
1,2-Dichloropropane	0.5	0.2066379	2	0.2303644	4	0.2045095	10	0.1937197	20	0.2208413	40	0.2260545
1,3,5-Trimethylbenzene	0.5	4.212029	2	4.587116	4	4.405923	10	3.748788	20	4.405127	40	4.345246
1,3-Dichlorobenzene	0.5	1.65083	2	1.761141	4	1.611542	10	1.520936	20	1.75075	40	1.698909
1,3-Dichloropropane	0.5	0.2240532	2	0.2659396	4	0.2583074	10	0.2401288	20	0.2634729	40	0.2622227
1,4-Dichlorobenzene	0.5	1.724999	2	1.704085	4	1.57889	10	1.506041	20	1.699122	40	1.657086
1,4-Dioxane	10	3.118433E-03	40	1.628655E-03	80	7.265663E-04	200	9.672638E-04	400	8.961324E-04	800	8.829109E-04
2,2-Dichloropropane	0.5	1.43602	2	1.635431	4	1.639925	10	1.166727	20	1.351195	40	1.535834
2-Butanone	0.5	4.911301E-02	2	4.082284E-02	4	0.0469467	10	3.929839E-02	20	3.897712E-02	40	3.856769E-02
2-Chlorotoluene	0.5	3.618368	2	3.941792	4	3.380288	10	3.253182	20	3.747437	40	3.747302
2-Hexanone	0.5	0.0466327	2	0.0417674	4	4.885867E-02	10	4.049849E-02	20	4.330201E-02	40	4.349771E-02
4-Chlorotoluene	0.5	4.443577	2	4.518374	4	3.921141	10	3.725345	20	4.359095	40	4.300837
4-Methyl-2-pentanone	0.5	6.087328E-02	2	6.581841E-02	4	6.552938E-02	10	6.712845E-02	20	6.701185E-02	40	6.459903E-02
Acetone	0.5	7.525738E-02	2	6.964118E-02	4	8.796012E-02	10	6.017601E-02	20	5.523712E-02	40	5.495228E-02

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YJ00026

SDG: 20L0374

Project: IMPL0115.6 218 Lakeville

Instrument: QVOA9

Calibration Date: 10/26/20 10:19

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	0.5	3.958583E-02	2	4.027804E-02	4	4.493542E-02	10	3.874907E-02	20	0.0391469	40	4.157332E-02
Acrylonitrile	0.5	8.803415E-02	2	8.615442E-02	4	8.689582E-02	10	0.0773025	20	0.0809106	40	8.419903E-02
Benzene	0.5	3.025952	2	3.226301	4	3.175791	10	2.57972	20	2.96769	40	3.184542
Bromobenzene	0.5	2.000103	2	1.966836	4	1.675066	10	1.74123	20	1.972755	40	1.973287
Bromochloromethane	0.5	0.3779856	2	0.4188428	4	0.4009074	10	0.3676252	20	0.3960696	40	0.4002118
Bromodichloromethane	0.5	0.3091056	2	0.3574611	4	0.3131496	10	0.3082827	20	0.3498866	40	0.3547149
Bromoform	0.5	6.519836E-02	2	7.566211E-02	4	7.765663E-02	10	7.572277E-02	20	8.407724E-02	40	0.0866694
Bromomethane	0.5	4.482947E-02	2	3.157994E-02	4	3.502985E-02	10	3.396705E-02	20	4.522202E-02	40	5.902348E-02
Carbon disulfide	0.5	2.027296	2	1.935581	4	1.931528	10	1.358637	20	1.615427	40	1.782871
Carbon tetrachloride	0.5	1.192228	2	1.386474	4	1.231718	10	0.926411	20	1.156981	40	1.31462
Chlorobenzene	0.5	0.5610648	2	0.6622799	4	0.5992351	10	0.54695	20	0.6198713	40	0.6448087
Chloroethane	0.5	0.4762854	2	0.5118918	4	0.4729616	10	0.3635806	20	0.447854	40	0.4943606
Chloroform	0.5	1.50212	2	1.667011	4	1.557881	10	1.387848	20	1.567417	40	1.654027
Chloromethane	0.5	0.8938568	2	0.7386248	4	0.5942756	10	0.5273885	20	0.6213917	40	0.7023674
cis-1,2-Dichloroethylene	0.5	1.276791	2	1.378358	4	1.29799	10	1.11814	20	1.276335	40	1.364908
cis-1,3-Dichloropropylene	0.5	0.3248185	2	0.3844515	4	0.3554274	10	0.3291873	20	0.3736654	40	0.3820707
Cyclohexane	0.5	1.471913	2	1.063085	4	1.059242	10	1.182737	20	1.367218	40	1.298492
Dibromochloromethane	0.5	0.1454425	2	0.1773861	4	0.1665906	10	0.1562755	20	0.175532	40	0.1784178
Dibromomethane	0.5	8.937743E-02	2	0.1007784	4	9.734337E-02	10	9.404727E-02	20	0.1013631	40	0.1025445
Dichlorodifluoromethane	0.5	0.7277588	2	0.8045839	4	0.4999631	10	0.5097277	20	0.675003	40	0.7822307
Ethyl Benzene	0.5	1.226737	2	1.359862	4	1.302353	10	1.031943	20	1.211629	40	1.292521
Hexachlorobutadiene	0.5	0.3717705	2	0.2586548	4	0.3727768	10	0.2100261	20	0.2387751	40	0.2481856
Isopropylbenzene	0.5	5.721711	2	5.810853	4	5.197113	10	4.534718	20	5.307649	40	5.496909
Methyl acetate	0.5	0.1132923	2	0.1504978	4	0.1740263	10	0.141794	20	0.1463012	40	0.1456323
Methyl tert-butyl ether (MTBE)	0.5	1.223394	2	1.580068	4	1.657188	10	1.432926	20	1.54358	40	1.567026
Methylcyclohexane	0.5	0.3965735	2	0.4430694	4	0.2907649	10	0.2938871	20	0.3843364	40	0.4112549
Methylene chloride	0.5	0.6741407	2	0.7496337	4	0.70291	10	0.6497308	20	0.7227035	40	0.7339854
Naphthalene	0.5	1.802147	2	1.198414	4	1.198078	10	1.108785	20	1.24259	40	1.216578
n-Butylbenzene	0.5	3.600596	2	3.538836	4	3.907897	10	2.957618	20	3.540503	40	3.531666
n-Propylbenzene	0.5	6.036982	2	6.367895	4	6.080229	10	5.041705	20	5.946268	40	6.051287
o-Xylene	0.5	0.9401999	2	1.064624	4	1.021209	10	0.8758853	20	1.002673	40	1.060514

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

SDG: 20L0374

Client: Walden Associates

Project: IMPL0115.6 218 Lakeville

Calibration: YJ00026

Instrument: QVOA9

Calibration Date: 10/26/20 10:19

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	1	0.98023	4	1.084392	8	1.05855	20	0.8623729	40	0.9895546	80	1.062462
p-Diethylbenzene	0.5	1.814577	2	1.923828	4	2.12129	10	1.666946	20	1.948382	40	1.935374
p-Ethyltoluene	0.5	4.509117	2	4.697493	4	4.585945	10	3.91882	20	4.670145	40	4.628852
p-Isopropyltoluene	0.5	3.858236	2	4.062458	4	4.128553	10	3.34118	20	3.861812	40	3.836952
sec-Butylbenzene	0.5	4.707381	2	4.904537	4	4.778968	10	3.876869	20	4.561145	40	4.564344
Styrene	0.5	0.6307953	2	0.7050727	4	0.6728849	10	0.61641	20	0.6924539	40	0.7247342
SURR: 1,2-Dichloroethane-d4	10	1.032311	10	1.129153	10	1.202352	10	1.095283	10	1.079272	10	1.079139
SURR: p-Bromofluorobenzene	10	2.133386	10	2.160031	10	1.96683	10	2.139741	10	2.173894	10	2.119838
SURR: Toluene-d8	10	1.511194	10	1.494388	10	1.446898	10	1.492321	10	1.484004	10	1.519651
tert-Butyl alcohol (TBA)	0.5	3.700093E-02	2	3.892542E-02	4	4.094638E-02	10	2.897057E-02	20	3.144042E-02	40	2.756462E-02
tert-Butylbenzene	0.5	3.77739	2	4.044821	4	3.862789	10	3.251864	20	3.823904	40	3.805888
Tetrachloroethylene	0.5	0.2725034	2	0.2822205	4	0.2882977	10	0.2024533	20	0.2390989	40	0.2621086
Toluene	0.5	1.046395	2	1.090783	4	1.034869	10	0.8703015	20	0.9914946	40	1.073204
trans-1,2-Dichloroethylene	0.5	1.041048	2	1.122844	4	1.119112	10	0.8706596	20	1.012538	40	1.107199
trans-1,3-Dichloropropylene	0.5	0.2721123	2	0.3038106	4	0.2962385	10	0.2816401	20	0.3109945	40	0.3182128
trans-1,4-dichloro-2-butene	0.5	0.6975191	2	0.7304015	4	0.6529477	10	0.674793	20	0.7603284	40	0.7448083
Trichloroethylene	0.5	0.2642673	2	0.2830408	4	0.2740869	10	0.2184727	20	0.2555656	40	0.2771444
Trichlorofluoromethane	0.5	1.364308	2	1.525625	4	1.05967	10	0.9215989	20	1.181848	40	1.401885
Vinyl acetate	0.5	0.3698616	2	0.5038512	4	0.5602178	10	0.4913069	20	0.5344743	40	0.5234068
Vinyl Chloride	0.5	0.6646135	2	0.8125493	4	0.7289645	10	0.5564757	20	0.6669146	40	0.7676601

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YJ00026 Instrument: QVOA9

Calibration Date: 10/26/20 10:19

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	80	0.2801268	120	0.248475	160	0.2553724						
1,1,1-Trichloroethane	80	1.922935	120	1.654276	160	1.557354						
1,1,2,2-Tetrachloroethane	80	0.6058068	120	0.5844467	160	0.608946						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	80	0.771867	120	0.6162195	160	0.5216931						
1,1,2-Trichloroethane	80	0.1619899	120	0.1531629	160	0.1578483						
1,1-Dichloroethane	80	1.767562	120	1.56678	160	1.572551						
1,1-Dichloroethylene	80	1.394674	120	1.194323	160	1.117138						
1,1-Dichloropropylene	80	1.428127	120	1.207814	160	1.136585						
1,2,3-Trichlorobenzene	80	0.512704	120	0.4899799	160	0.524997						
1,2,3-Trichloropropane	80	0.2019344	120	0.1991713	160	0.2058357						
1,2,4,5-Tetramethylbenzene	80	2.933813	120	2.640281	160	2.68698						
1,2,4-Trichlorobenzene	80	0.6835956	120	0.6470083	160	0.6891636						
1,2,4-Trimethylbenzene	80	4.644293	120	4.052351	160	3.897939						
1,2-Dibromo-3-chloropropane	80	0.1309263	120	0.1280708	160	0.1307529						
1,2-Dibromoethane	80	0.1600695	120	0.1503819	160	0.1588062						
1,2-Dichlorobenzene	80	1.566568	120	1.422856	160	1.452959						
1,2-Dichloroethane	80	1.171625	120	1.085524	160	1.120027						
1,2-Dichloropropane	80	0.2636161	120	0.2344494	160	0.2308775						
1,3,5-Trimethylbenzene	80	4.805315	120	4.131018	160	3.969526						
1,3-Dichlorobenzene	80	1.881687	120	1.715352	160	1.713015						
1,3-Dichloropropane	80	0.3026314	120	0.2812584	160	0.2919358						
1,4-Dichlorobenzene	80	1.865041	120	1.689539	160	1.691644						
1,4-Dioxane	1600	9.964623E-04	2400	9.54386E-04	3200	1.104433E-03						
2,2-Dichloropropane	80	1.81743	120	1.553663	160	1.594057						
2-Butanone	80	4.533406E-02	120	4.470689E-02	160	4.560771E-02						
2-Chlorotoluene	80	4.188341	120	3.625904	160	3.564656						
2-Hexanone	80	5.134767E-02	120	5.059428E-02	160	5.376113E-02						
4-Chlorotoluene	80	4.735305	120	4.15902	160	4.153729						
4-Methyl-2-pentanone	80	7.726725E-02	120	7.734334E-02	160	8.041718E-02						
Acetone	80	6.743631E-02	120	6.787678E-02	160	6.264862E-02						

FORM VI INITIAL CALIBRATION DATA (Continued)

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville
Calibration: YJ00026
Instrument: QVOA9
Calibration Date: 10/26/20 10:19

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	80	4.806038E-02	120	5.028797E-02	160	5.372629E-02						
Acrylonitrile	80	9.831076E-02	120	9.918716E-02	160	0.1023369						
Benzene	80	3.762335	120	3.361163	160	3.380303						
Bromobenzene	80	2.16194	120	2.000446	160	1.997096						
Bromochloromethane	80	0.4639444	120	0.4320945	160	0.4445301						
Bromodichloromethane	80	0.4212089	120	0.3805551	160	0.3853415						
Bromoform	80	0.1015568	120	9.869746E-02	160	0.1054713						
Bromomethane	80	0.0941119	120	9.450424E-02	160	0.1128133						
Carbon disulfide	80	2.14677	120	1.873663	160	1.816102						
Carbon tetrachloride	80	1.569065	120	1.305631	160	1.202102						
Chlorobenzene	80	0.7488114	120	0.6553946	160	0.6668634						
Chloroethane	80	0.5951559	120	0.5148759	160	0.5093336						
Chloroform	80	1.955121	120	1.784404	160	1.774537						
Chloromethane	80	0.8793179	120	0.7849329	160	0.7832054						
cis-1,2-Dichloroethylene	80	1.604776	120	1.425626	160	1.445944						
cis-1,3-Dichloropropylene	80	0.4483638	120	0.4118531	160	0.4199441						
Cyclohexane	80	1.352872	120	1.504795	160	1.10666						
Dibromochloromethane	80	0.2128868	120	0.2007065	160	0.2088282						
Dibromomethane	80	0.1192234	120	0.1117791	160	0.1099844						
Dichlorodifluoromethane	80	0.929366	120	0.7703455	160	0.6539567						
Ethyl Benzene	80	1.472827	120	1.236086	160	1.137918						
Hexachlorobutadiene	80	0.2607717	120	0.2222259	160	0.3377399						
Isopropylbenzene	80	6.013258	120	5.056188	160	4.511022						
Methyl acetate	80	0.1776323	120	0.1747854	160	0.1936473						
Methyl tert-butyl ether (MTBE)	80	1.870379	120	1.784971	160	1.917982						
Methylcyclohexane	80	0.4606247	120	0.3475877	160	0.2665388						
Methylene chloride	80	0.87508	120	0.7996777	160	0.8205868						
Naphthalene	80	1.32918	120	1.329151	160	1.409324						
n-Butylbenzene	80	4.036766	120	3.096359	160	3.131153						
n-Propylbenzene	80	6.605006	120	5.486496	160	4.734386						
o-Xylene	80	1.204601	120	1.025816	160	1.035736						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YJ00026 Instrument: QVOA9

Calibration Date: 10/26/20 10:19

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	160	1.198252	240	0.9494443	320	0.8236263						
p-Diethylbenzene	80	2.134673	120	1.809468	160	1.734856						
p-Ethyltoluene	80	5.137153	120	4.334358	160	4.149408						
p-Isopropyltoluene	80	4.182147	120	3.569782	160	3.332886						
sec-Butylbenzene	80	5.007324	120	4.145597	160	3.748988						
Styrene	80	0.8281725	120	0.7316766	160	0.7541312						
SURR: 1,2-Dichloroethane-d4	10	1.127039	10	1.127435	10	1.115736						
SURR: p-Bromofluorobenzene	10	2.059813	10	2.076616	10	2.021771						
SURR: Toluene-d8	10	1.511994	10	1.512603	10	1.480905						
tert-Butyl alcohol (TBA)	80	3.074508E-02	120	3.228437E-02	160	3.103919E-02						
tert-Butylbenzene	80	4.203684	120	3.584328	160	3.391681						
Tetrachloroethylene	80	0.3005982	120	0.2524208	160	0.2404272						
Toluene	80	1.252754	120	1.080005	160	1.066547						
trans-1,2-Dichloroethylene	80	1.338114	120	1.170058	160	1.14322						
trans-1,3-Dichloropropylene	80	0.3745089	120	0.3487004	160	0.3655986						
trans-1,4-dichloro-2-butene	80	0.8378411	120	0.8141855	160	0.841883						
Trichloroethylene	80	0.3325787	120	0.2857027	160	0.2760748						
Trichlorofluoromethane	80	1.668947	120	1.378853	160	1.182297						
Vinyl acetate	80	0.6213958	120	0.6003019	160	0.6380661						
Vinyl Chloride	80	0.9059874	120	0.7625382	160	0.7396941						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YJ00026 Instrument: QVOA9

Calibration Date: 10/26/20 10:19

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.2361436	10.09068	8.919333	2.544971E-02			20	
1,1,1-Trichloroethane	1.572895	12.81224	5.148	0.0295666			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.553055	7.652542	10.20033	2.637379E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.6034085	17.97917	3.021222	0.1218455			SPCC (0.1)	
1,1,2-Trichloroethane	0.1420289	10.01348	7.774667	3.004316E-02			SPCC (0.1)	
1,1-Dichloroethane	1.489401	10.52469	4.133111	2.757158E-02			SPCC (0.2)	
1,1-Dichloroethylene	1.14094	12.96543	3.006667	9.714405E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.169663	12.71499	5.295333	4.161903E-02			20	
1,2,3-Trichlorobenzene	0.4715469	8.156287	14.19467	2.679058E-02			20	
1,2,3-Trichloropropane	0.18641	12.44363	10.266	0.0290444			20	
1,2,4,5-Tetramethylbenzene	2.660384	7.090519	12.66244	2.011781E-02			20	
1,2,4-Trichlorobenzene	0.6270361	7.007506	13.65111	1.922671E-02			SPCC (0.2)	
1,2,4-Trimethylbenzene	4.177125	6.763169	10.97633	1.943155E-02			20	
1,2-Dibromo-3-chloropropane	0.1157913	12.3795	12.68756	2.957292E-02			SPCC (0.05)	
1,2-Dibromoethane	0.1394355	12.67304	8.307	2.690946E-02			SPCC (0.1)	
1,2-Dichlorobenzene	1.386326	7.048347	11.80411	1.671276E-02			SPCC (0.4)	
1,2-Dichloroethane	1.003228	11.07453	5.505333	5.154883E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2234523	9.193508	6.336667	3.408719E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	4.29001	7.419666	10.559	2.338493E-02			20	
1,3-Dichlorobenzene	1.700462	5.955073	11.295	3.606878E-02			SPCC (0.6)	
1,3-Dichloropropane	0.26555	9.180115	7.940444	2.444994E-02			20	
1,4-Dichlorobenzene	1.679605	5.895665	11.41333	2.761173E-02			SPCC (0.5)	
1,4-Dioxane	1.252805E-03	59.33858	6.411667	9.778392E-02		0.9974295	0.99	
2,2-Dichloropropane	1.525587	12.33087	4.671	6.335408E-02			20	
2-Butanone	4.326382E-02	9.017102	4.619	4.750764E-02			SPCC (0.1)	
2-Chlorotoluene	3.674141	7.624143	10.45133	2.160663E-02			20	
2-Hexanone	4.669556E-02	10.04125	7.971111	4.244942E-02			SPCC (0.1)	
4-Chlorotoluene	4.25738	7.239538	10.58433	4.201583E-02			20	
4-Methyl-2-pentanone	6.955424E-02	9.916435	7.124	4.195462E-02			SPCC (0.1)	
Acetone	6.679842E-02	15.55856	3.009667	0.146749	0.99786		SPCC (0.1)	
Acrolein	4.403814E-02	12.48503	2.882667	9.110504E-02			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YJ00026 Instrument: QVOA9

Calibration Date: 10/26/20 10:19

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	8.925904E-02	9.754908	3.639778	8.632751E-02			20	
Benzene	3.184866	10.19344	5.473333	4.373751E-02			SPCC (0.5)	
Bromobenzene	1.943195	7.552155	10.23633	1.522206E-02			20	
Bromochloromethane	0.4113568	7.612688	4.876667	4.115395E-02			20	
Bromodichloromethane	0.3533007	10.96405	6.582333	3.050174E-02			SPCC (0.2)	
Bromoform	8.563467E-02	15.99078	9.701556	2.265267E-02			SPCC (0.1)	
Bromomethane	6.123125E-02	50.62832	2.148889	9.245689E-02		0.9966386	SPCC (0.1)	
Carbon disulfide	1.831986	12.70265	3.234778	5.391543E-02			SPCC (0.1)	
Carbon tetrachloride	1.253914	14.00999	5.309333	5.290197E-02			SPCC (0.1)	
Chlorobenzene	0.6339199	9.650645	8.826	0.0258965			SPCC (0.5)	
Chloroethane	0.4873666	12.71538	2.254778	6.687571E-02			SPCC (0.1)	
Chloroform	1.650041	10.34005	4.967778	0.0443256			SPCC (0.2)	
Chloromethane	0.7250401	17.36946	1.748889	0.6821663			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.354319	10.04114	4.657778	4.385734E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3810869	10.80664	7.010667	1.324462E-02			SPCC (0.2)	
Cyclohexane	1.267446	13.5081	5.247	7.142421E-02			SPCC (0.1)	
Dibromochloromethane	0.1802296	12.87419	8.175666	3.498248E-02			SPCC (0.1)	
Dibromomethane	0.1029379	9.051819	6.419778	1.950429E-02			20	
Dichlorodifluoromethane	0.7058817	19.69877	1.553	1.535243E-02			SPCC (0.1)	
Ethyl Benzene	1.252431	10.12075	8.931778	0.0125856			SPCC (0.1)	
Hexachlorobutadiene	0.2801029	22.62675	13.83267	0.0128422			20	*
Isopropylbenzene	5.29438	10.04856	9.890334	1.495981E-02			SPCC (0.1)	
Methyl acetate	0.1575121	15.55132	3.323556	8.207503E-02			SPCC (0.1)	
Methyl tert-butyl ether (MTBE)	1.619724	13.50189	3.729222	3.217219E-02			SPCC (0.1)	
Methylcyclohexane	0.3660708	19.14748	6.359111	3.376398E-02			SPCC (0.1)	
Methylene chloride	0.7476054	9.700105	3.459444	4.513559E-02			SPCC (0.1)	
Naphthalene	1.314916	15.47698	13.938	1.385159E-02			20	
n-Butylbenzene	3.482377	10.44849	11.80211	1.447815E-02			20	
n-Propylbenzene	5.816695	10.52097	10.353	1.411161E-02			20	
o-Xylene	1.025695	8.79743	9.486556	2.962269E-02			SPCC (0.3)	
p- & m- Xylenes	1.000987	11.54561	9.070778	5.027755E-02			SPCC (0.1)	
p-Diethylbenzene	1.898822	8.4359	11.776	2.193141E-02			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YJ00026 Instrument: QVOA9

Calibration Date: 10/26/20 10:19

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
p-Ethyltoluene	4.514588	7.769234	10.491	2.972918E-02			20	
p-Isopropyltoluene	3.797112	8.39592	11.34122	0.0190923			20	
sec-Butylbenzene	4.477239	10.0601	11.16433	2.011172E-02			20	
Styrene	0.706259	9.12349	9.504333	3.592293E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.109747	4.235099	5.432556	3.428326E-02			20	
SURR: p-Bromofluorobenzene	2.094658	3.286416	10.082	1.696925E-02			20	
SURR: Toluene-d8	1.494884	1.516109	7.290222	1.365143E-02			20	
tert-Butyl alcohol (TBA)	0.033213	13.94085	3.530333	0.1411262	0.99923		0.99	
tert-Butylbenzene	3.749594	7.994093	10.91067	0.0345085			20	
Tetrachloroethylene	0.2600143	11.61172	7.905778	3.449759E-02			SPCC (0.2)	
Toluene	1.056261	9.472589	7.361333	1.571646E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.102755	11.47347	3.739889	6.180059E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.3190907	11.37656	7.569111	1.728192E-02			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.7505231	9.257933	10.265	3.585384E-02			20	
Trichloroethylene	0.2741038	10.93114	6.104333	3.671404E-02			SPCC (0.2)	
Trichlorofluoromethane	1.298337	17.99112	2.512667	9.917522E-02			SPCC (0.1)	
Vinyl acetate	0.5380981	15.15271	4.12	7.975338E-02			20	
Vinyl Chloride	0.733933	13.50415	1.83	0.1165223			SPCC (0.1)	

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YL00001

SDG: 20L0374

Project: IMPL0115.6 218 Lakeville

Instrument: QVOA6

Calibration Date: 11/20/20 18:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	0.5	0.1720979	2	0.2200884	4	0.2498862	10	0.2514473	20	0.2587066	40	0.2289312
1,1,1-Trichloroethane	0.5	1.047401	2	1.179846	4	1.328214	10	1.445553	20	1.481638	40	1.287464
1,1,2,2-Tetrachloroethane	0.5	0.4739695	2	0.5842321	4	0.6655897	10	0.6483351	20	0.6555751	40	0.5737341
1,1,2-Trichloro-1,2,2-triflu oroethane (Freon 113)	0.5	0.7235667	2	0.588809	4	0.6306681	10	0.8046848	20	0.7648691	40	0.6576629
1,1,2-Trichloroethane	0.5	0.151924	2	0.1849609	4	0.2090595	10	0.2013826	20	0.204259	40	0.1814664
1,1-Dichloroethane	0.5	1.187516	2	1.377787	4	1.504375	10	1.550289	20	1.585195	40	1.386874
1,1-Dichloroethylene	0.5	0.9255881	2	0.981125	4	1.075893	10	1.188224	20	1.195886	40	1.029572
1,1-Dichloropropylene	0.5	0.8786122	2	1.047692	4	1.15033	10	1.252818	20	1.270633	40	1.100353
1,2,3-Trichlorobenzene	0.5	0.3754948	2	0.4477463	4	0.5119389	10	0.4920763	20	0.5050292	40	0.4587946
1,2,3-Trichloropropane	0.5	0.1509643	2	0.1816446	4	0.2031961	10	0.2002749	20	0.1995514	40	0.1745083
1,2,4,5-Tetramethylbenzene	0.5	1.472028	2	1.540216	4	1.665325	10	1.845997	20	1.765693	40	1.595037
1,2,4-Trichlorobenzene	0.5	0.4383209	2	0.5260995	4	0.599355	10	0.5823741	20	0.5940181	40	0.5353885
1,2,4-Trimethylbenzene	0.5	1.802748	2	2.142432	4	2.437639	10	2.463424	20	2.451864	40	2.106277
1,2-Dibromo-3-chloropropa ne	0.5	0.0775999	2	0.107231	4	0.1213111	10	0.1177672	20	0.1215405	40	0.1089313
1,2-Dibromoethane	0.5	0.1508282	2	0.1890691	4	0.2084443	10	0.2022781	20	0.2089847	40	0.1838122
1,2-Dichlorobenzene	0.5	1.009202	2	1.192624	4	1.330315	10	1.29491	20	1.284338	40	1.112485
1,2-Dichloroethane	0.5	0.855624	2	1.012376	4	1.168572	10	1.156606	20	1.173118	40	1.018912
1,2-Dichloropropane	0.5	0.1845112	2	0.2233998	4	0.2476406	10	0.2443392	20	0.2503074	40	0.2231444
1,3,5-Trimethylbenzene	0.5	1.853019	2	2.166251	4	2.417779	10	2.507113	20	2.474469	40	2.126141
1,3-Dichlorobenzene	0.5	1.071927	2	1.286663	4	1.427135	10	1.418058	20	1.411162	40	1.223502
1,3-Dichloropropane	0.5	0.2619373	2	0.3208937	4	0.358438	10	0.3443205	20	0.3496436	40	0.3083821
1,4-Dichlorobenzene	0.5	1.119425	2	1.313352	4	1.46121	10	1.431732	20	1.425598	40	1.234095
1,4-Dioxane	10	7.482126E-04	40	1.182429E-03	80	1.301307E-03	200	1.10242E-03	400	1.065577E-03	800	9.826036E-04
2,2-Dichloropropane	0.5	1.061081	2	1.17148	4	1.3031	10	1.378891	20	1.402754	40	1.219109
2-Butanone	0.5	0.176597	2	0.1023047	4	0.0935213	10	8.141965E-02	20	8.272183E-02	40	0.071539
2-Chlorotoluene	0.5	1.689147	2	2.241297	4	2.467684	10	2.532008	20	2.277141	40	2.177646
2-Hexanone	0.5	7.864765E-02	2	0.1063345	4	0.1269667	10	0.1227719	20	0.1285141	40	0.1118709
4-Chlorotoluene	0.5	1.863356	2	2.26936	4	2.526358	10	2.566284	20	2.564977	40	2.21701
4-Methyl-2-pentanone	0.5	0.1355046	2	0.1525293	4	0.1766548	10	0.1768916	20	0.1788955	40	0.1591806
Acetone	0.5	0.2391274	2	0.1945924	4	0.1840201	10	0.1582305	20	0.1615983	40	0.1368067

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YL00001

SDG: 20L0374

Project: IMPL0115.6 218 Lakeville

Instrument: QVOA6

Calibration Date: 11/20/20 18:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	0.5	7.252533E-02	2	7.415416E-02	4	8.450739E-02	10	8.461883E-02	20	8.213515E-02	40	7.156058E-02
Acrylonitrile	0.5	0.1221249	2	0.1528417	4	0.1840354	10	0.1691212	20	0.1766346	40	0.1519303
Benzene	0.5	2.622344	2	3.073347	4	3.351402	10	3.428423	20	3.490592	40	3.0334
Bromobenzene	0.5	0.9860582	2	1.174495	4	1.292426	10	1.301495	20	1.314881	40	1.270403
Bromochloromethane	0.5	0.5045539	2	0.5968164	4	0.6420235	10	0.6170794	20	0.6281105	40	0.5373085
Bromodichloromethane	0.5	0.233392	2	0.2962048	4	0.3362438	10	0.337478	20	0.3501451	40	0.3173776
Bromoform	0.5	8.992922E-02	2	0.1172778	4	0.1410422	10	0.143951	20	0.1526934	40	0.135567
Bromomethane	0.5	0.2598044	2	0.2405181	4	0.2722004	10	0.2943058	20	0.3225598	40	0.3429584
Carbon disulfide	0.5	1.652278	2	1.609176	4	1.738225	10	1.873467	20	1.907642	40	1.631344
Carbon tetrachloride	0.5	0.8331355	2	0.9407764	4	1.071149	10	1.222199	20	1.266464	40	1.110862
Chlorobenzene	0.5	0.5504437	2	0.6576535	4	0.7222965	10	0.7166443	20	0.7218247	40	0.6319212
Chloroethane	0.5	0.5550905	2	0.4904301	4	0.5615181	10	0.5786801	20	0.580676	40	0.5090725
Chloroform	0.5	1.23924	2	1.43211	4	1.577535	10	1.590895	20	1.621859	40	1.418084
Chloromethane	0.5	0.7206307	2	0.635093	4	0.7254979	10	0.7334387	20	0.7411572	40	0.6483702
cis-1,2-Dichloroethylene	0.5	1.06764	2	1.269205	4	1.375609	10	1.403332	20	1.430226	40	1.248946
cis-1,3-Dichloropropylene	0.5	0.2980455	2	0.3613247	4	0.4126545	10	0.4098054	20	0.4207967	40	0.3798878
Cyclohexane	0.5	1.437014	2	1.38285	4	1.478512	10	1.814696	20	1.579659	40	1.311806
Dibromochloromethane	0.5	0.1574031	2	0.2079543	4	0.2401481	10	0.2413252	20	0.2544579	40	0.2275363
Dibromomethane	0.5	0.109672	2	0.1318114	4	0.1504111	10	0.1437053	20	0.1464288	40	0.1300644
Dichlorodifluoromethane	0.5	0.8275759	2	0.6070515	4	0.7331345	10	0.855369	20	0.8570614	40	0.7348489
Ethyl Benzene	0.5	0.9417957	2	1.079202	4	1.200028	10	1.226491	20	1.234453	40	1.060577
Hexachlorobutadiene	0.5	0.106391	2	0.110441	4	0.12668	10	0.1273737	20	0.1281432	40	0.1173843
Isopropylbenzene	0.5	2.529535	2	2.840011	4	3.180369	10	3.36701	20	3.339853	40	2.848185
Methyl acetate	0.5	0.3907997	2	0.3805697	4	0.3966736	10	0.4096325	20	0.3949874	40	0.3481352
Methyl tert-butyl ether (MTBE)	0.5	1.710373	2	2.116416	4	2.344529	10	2.269923	20	2.312161	40	2.029705
Methylcyclohexane	0.5	0.3901304	2	0.3134476	4	0.3423521	10	0.4394734	20	0.4203486	40	0.3632606
Methylene chloride	0.5	0.8200797	2	0.8938848	4	0.9724854	10	0.9485313	20	0.9638797	40	0.8296108
Naphthalene	0.5	1.499357	2	1.4601	4	1.607402	10	1.534623	20	1.58287	40	1.386694
n-Butylbenzene	0.5	1.402093	2	1.521917	4	1.778199	10	1.840116	20	1.938103	40	1.591578
n-Propylbenzene	0.5	2.719223	2	3.118734	4	3.498156	10	3.695103	20	3.642102	40	3.097661
o-Xylene	0.5	0.7396077	2	0.868742	4	0.96324	10	0.96177	20	0.9728294	40	0.835769

FORM VI

INITIAL CALIBRATION DATA

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.

Client: Walden Associates

Calibration: YL00001

SDG: 20L0374

Project: IMPL0115.6 218 Lakeville

Instrument: QVOA6

Calibration Date: 11/20/20 18:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	1	0.7194966	4	0.8413881	8	0.9363228	20	0.9540294	40	0.9593898	80	0.8156316
p-Diethylbenzene	0.5	0.891466	2	0.8643167	4	0.9504906	10	1.068605	20	1.025502	40	0.9163323
p-Ethyltoluene	0.5	2.428589	2	2.35924	4	2.516587	10	2.918726	20	2.72354	40	2.364146
p-Isopropyltoluene	0.5	1.673617	2	1.941563	4	2.19611	10	2.300461	20	2.272051	40	1.956526
sec-Butylbenzene	0.5	1.953662	2	2.165668	4	2.465204	10	2.616915	20	2.562218	40	2.202034
Styrene	0.5	0.5017425	2	0.640083	4	0.7333463	10	0.7471336	20	0.7589219	40	0.6518237
SURR: 1,2-Dichloroethane-d4	10	1.243382	10	1.243076	10	1.221543	10	1.236678	10	1.24329	10	1.220186
SURR: p-Bromofluorobenzene	10	1.221838	10	1.204927	10	1.201079	10	1.225313	10	1.229199	10	1.226342
SURR: Toluene-d8	10	1.44592	10	1.431345	10	1.438428	10	1.433976	10	1.428666	10	1.445424
tert-Butyl alcohol (TBA)	0.5	0.1146912	2	0.1198151	4	0.1291867	10	8.349115E-02	20	7.922455E-02	40	7.348013E-02
tert-Butylbenzene	0.5	1.850901	2	2.094391	4	2.397672	10	2.522205	20	2.503649	40	2.139124
Tetrachloroethylene	0.5	0.2424281	2	0.258005	4	0.286459	10	0.3026157	20	0.3046796	40	0.2641157
Toluene	0.5	0.9370891	2	1.002563	4	1.096598	10	1.103811	20	1.110546	40	0.9754254
trans-1,2-Dichloroethylene	0.5	0.8796742	2	0.9983705	4	1.082229	10	1.129205	20	1.149144	40	1.00016
trans-1,3-Dichloropropylene	0.5	0.2432724	2	0.3202474	4	0.3633949	10	0.3615709	20	0.3750717	40	0.3372952
trans-1,4-dichloro-2-butene	0.5	0.553435	2	0.6907336	4	0.803494	10	0.8010947	20	0.8196887	40	0.7222795
Trichloroethylene	0.5	0.2119786	2	0.2373534	4	0.2607954	10	0.2675801	20	0.2726176	40	0.2445475
Trichlorofluoromethane	0.5	1.222186	2	0.9560434	4	1.150139	10	1.304388	20	1.303712	40	1.117841
Vinyl acetate	0.5	0.7513025	2	0.9428016	4	1.120802	10	1.103599	20	1.166801	40	0.9502263
Vinyl Chloride	0.5	0.7533014	2	0.6811589	4	0.8027131	10	0.8587582	20	0.8670669	40	0.7518742

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YL00001 Instrument: QVOA6

Calibration Date: 11/20/20 18:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,1,1,2-Tetrachloroethane	80	0.2396083	120	0.2325715	160	0.2124999						
1,1,1-Trichloroethane	80	1.386253	120	1.381054	160	1.21979						
1,1,2,2-Tetrachloroethane	80	0.6453475	120	0.649809	160	0.6499872						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	80	0.6912771	120	0.6932525	160	0.5740725						
1,1,2-Trichloroethane	80	0.2023337	120	0.202964	160	0.1980225						
1,1-Dichloroethane	80	1.459121	120	1.408352	160	1.27979						
1,1-Dichloroethylene	80	1.094198	120	1.075067	160	0.9494965						
1,1-Dichloropropylene	80	1.162293	120	1.140263	160	0.9874032						
1,2,3-Trichlorobenzene	80	0.5249065	120	0.5758597	160	0.5754458						
1,2,3-Trichloropropane	80	0.1972385	120	0.2003012	160	0.2033069						
1,2,4,5-Tetramethylbenzene	80	1.75987	120	1.887389	160	1.797249						
1,2,4-Trichlorobenzene	80	0.6072945	120	0.6648223	160	0.6555959						
1,2,4-Trimethylbenzene	80	2.22775	120	2.33313	160	2.122618						
1,2-Dibromo-3-chloropropane	80	0.1276413	120	0.1365383	160	0.1395506						
1,2-Dibromoethane	80	0.2043055	120	0.2022888	160	0.1976693						
1,2-Dichlorobenzene	80	1.180272	120	1.214378	160	1.134152						
1,2-Dichloroethane	80	1.109417	120	1.091312	160	1.035924						
1,2-Dichloropropane	80	0.2468432	120	0.2489989	160	0.2372884						
1,3,5-Trimethylbenzene	80	2.226344	120	2.301446	160	2.084644						
1,3-Dichlorobenzene	80	1.308698	120	1.385567	160	1.300781						
1,3-Dichloropropane	80	0.3410538	120	0.338873	160	0.3288421						
1,4-Dichlorobenzene	80	1.315839	120	1.379064	160	1.289884						
1,4-Dioxane	1600	1.07345E-03	2400	1.107283E-03	3200	1.058217E-03						
2,2-Dichloropropane	80	1.28313	120	1.255276	160	1.11159						
2-Butanone	80	7.867389E-02	120	7.705103E-02	160	7.393935E-02						
2-Chlorotoluene	80	2.112553	120	2.439873	160	2.254664						
2-Hexanone	80	0.1284803	120	0.128547	160	0.1277661						
4-Chlorotoluene	80	2.359866	120	2.46228	160	2.277278						
4-Methyl-2-pentanone	80	0.1875735	120	0.1883219	160	0.1847311						
Acetone	80	0.1563582	120	0.1545892	160	0.1464609						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YL00001 Instrument: QVOA6

Calibration Date: 11/20/20 18:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acrolein	80	8.253767E-02	120	8.191621E-02	160	8.046804E-02						
Acrylonitrile	80	0.1720132	120	0.1713669	160	0.1670793						
Benzene	80	3.159662	120	3.006496	160	2.667614						
Bromobenzene	80	1.272304	120	1.31359	160	1.266552						
Bromochloromethane	80	0.5750292	120	0.5656278	160	0.5353253						
Bromodichloromethane	80	0.3579756	120	0.3658464	160	0.3549813						
Bromoform	80	0.1512503	120	0.1521792	160	0.1494351						
Bromomethane	80	0.4329693	120	0.4721987	160	0.4509612						
Carbon disulfide	80	1.733277	120	1.713436	160	1.551732						
Carbon tetrachloride	80	1.178357	120	1.169307	160	0.9952037						
Chlorobenzene	80	0.6599422	120	0.6484219	160	0.5884229						
Chloroethane	80	0.5405437	120	0.5329373	160	0.4825419						
Chloroform	80	1.522504	120	1.491405	160	1.365251						
Chloromethane	80	0.69641	120	0.7207087	160	0.6770552						
cis-1,2-Dichloroethylene	80	1.331964	120	1.295855	160	1.187183						
cis-1,3-Dichloropropylene	80	0.4225475	120	0.4261232	160	0.4098351						
Cyclohexane	80	1.484143	120	1.299148	160	1.052656						
Dibromochloromethane	80	0.2559612	120	0.255698	160	0.2471247						
Dibromomethane	80	0.1476488	120	0.1492195	160	0.1455439						
Dichlorodifluoromethane	80	0.7911671	120	0.7698413	160	0.6646024						
Ethyl Benzene	80	1.061699	120	1.026335	160	0.8813671						
Hexachlorobutadiene	80	0.1311966	120	0.1492448	160	0.1424855						
Isopropylbenzene	80	2.931484	120	2.976372	160	2.639467						
Methyl acetate	80	0.3890291	120	0.3824922	160	0.3738825						
Methyl tert-butyl ether (MTBE)	80	2.209372	120	2.132931	160	2.038884						
Methylcyclohexane	80	0.3943496	120	0.4108643	160	0.3378281						
Methylene chloride	80	0.8940018	120	0.8868564	160	0.8355501						
Naphthalene	80	1.577808	120	1.70591	160	1.683375						
n-Butylbenzene	80	1.778503	120	1.851436	160	1.707117						
n-Propylbenzene	80	3.20418	120	3.26026	160	2.878017						
o-Xylene	80	0.8472448	120	0.842682	160	0.7482814						

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YL00001 Instrument: QVOA6

Calibration Date: 11/20/20 18:34

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
p- & m- Xylenes	160	0.8030512	240	0.7611052	320	0.6435038						
p-Diethylbenzene	80	1.00675	120	1.08481	160	0.9988843						
p-Ethyltoluene	80	2.481305	120	2.58065	160	2.308602						
p-Isopropyltoluene	80	2.079953	120	2.186661	160	1.969351						
sec-Butylbenzene	80	2.334314	120	2.470821	160	2.19124						
Styrene	80	0.6637081	120	0.644701	160	0.581904						
SURR: 1,2-Dichloroethane-d4	10	1.213077	10	1.199512	10	1.180983						
SURR: p-Bromofluorobenzene	10	1.244171	10	1.284783	10	1.326745						
SURR: Toluene-d8	10	1.471651	10	1.497232	10	1.530833						
tert-Butyl alcohol (TBA)	80	8.509053E-02	120	8.524861E-02	160	0.0836866						
tert-Butylbenzene	80	2.277351	120	2.418694	160	2.181317						
Tetrachloroethylene	80	0.2819745	120	0.2891312	160	0.2520799						
Toluene	80	1.026125	120	1.002031	160	0.8947351						
trans-1,2-Dichloroethylene	80	1.07791	120	1.060616	160	0.9617239						
trans-1,3-Dichloropropylene	80	0.3770648	120	0.3780004	160	0.3667465						
trans-1,4-dichloro-2-butene	80	0.8284971	120	0.8512494	160	0.8556862						
Trichloroethylene	80	0.2715638	120	0.2820922	160	0.2623199						
Trichlorofluoromethane	80	1.187708	120	1.17032	160	1.005484						
Vinyl acetate	80	1.097929	120	1.076744	160	1.083228						
Vinyl Chloride	80	0.8008137	120	0.8055355	160	0.7187608						

FORM VI

INITIAL CALIBRATION DATA (Continued)

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville
Calibration: YL00001
Instrument: QVOA6
Calibration Date: 11/20/20 18:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,1,1,2-Tetrachloroethane	0.2295375	11.45915	8.859111	7.973004E-03			20	
1,1,1-Trichloroethane	1.306357	10.60185	5.091556	2.836245E-02			SPCC (0.1)	
1,1,2,2-Tetrachloroethane	0.6162866	10.13292	10.152	1.316627E-02			SPCC (0.3)	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.6809847	11.30456	2.976333	0.023663			SPCC (0.1)	
1,1,2-Trichloroethane	0.1929303	9.256458	7.727667	2.936784E-02			SPCC (0.1)	
1,1-Dichloroethane	1.415478	8.98685	4.090222	4.015049E-02			SPCC (0.2)	
1,1-Dichloroethylene	1.057228	9.091611	2.966	5.148972E-02			SPCC (0.1)	
1,1-Dichloropropylene	1.110044	11.21669	5.24	2.779805E-02			20	
1,2,3-Trichlorobenzene	0.4963658	12.76335	14.11733	1.212912E-02			20	
1,2,3-Trichloropropane	0.1901096	9.372783	10.21711	2.245655E-02			20	
1,2,4,5-Tetramethylbenzene	1.7032	8.391462	12.58667	1.574947E-02			20	
1,2,4-Trichlorobenzene	0.578141	12.10293	13.57111	1.670043E-02			SPCC (0.2)	
1,2,4-Trimethylbenzene	2.231987	9.693444	10.90556	2.202216E-02			20	
1,2-Dibromo-3-chloropropane	0.1175679	15.7795	12.62333	1.647484E-02			SPCC (0.05)	
1,2-Dibromoethane	0.1941867	9.428407	8.251333	2.750887E-02			SPCC (0.1)	
1,2-Dichlorobenzene	1.194742	8.468971	11.73411	2.454658E-02			SPCC (0.4)	
1,2-Dichloroethane	1.069096	9.521698	5.461333	2.630955E-02			SPCC (0.1)	
1,2-Dichloropropane	0.2340526	9.112332	6.284333	3.659732E-02			SPCC (0.1)	
1,3,5-Trimethylbenzene	2.23969	9.39467	10.48833	2.195544E-02			20	
1,3-Dichlorobenzene	1.314833	8.751437	11.22422	1.458435E-02			SPCC (0.6)	
1,3-Dichloropropane	0.3280427	8.854908	7.891333	2.825928E-02			20	
1,4-Dichlorobenzene	1.330022	8.181998	11.341	2.137922E-02			SPCC (0.5)	
1,4-Dioxane	1.069055E-03	14.02843	6.350667	8.292453E-02			20	
2,2-Dichloropropane	1.242935	9.235218	4.623333	3.485828E-02			20	
2-Butanone	0.0930853	35.21962	4.580889	0.0461193			SPCC (0.1)	*
2-Chlorotoluene	2.243557	11.1665	10.38278	2.882045E-02			20	
2-Hexanone	0.1177666	14.2466	7.925444	2.863191E-02			SPCC (0.1)	
4-Chlorotoluene	2.345197	9.569073	10.51833	2.414292E-02			20	
4-Methyl-2-pentanone	0.1711425	10.60021	7.08	3.233982E-02			SPCC (0.1)	
Acetone	0.1701982	18.42626	2.977333	4.769928E-02			SPCC (0.1)	
Acrolein	7.938037E-02	6.520885	2.856	9.862239E-02			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. SDG: 20L0374

Client: Walden Associates Project: IMPL0115.6 218 Lakeville

Calibration: YL00001 Instrument: QVOA6

Calibration Date: 11/20/20 18:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acrylonitrile	0.1630164	11.33247	3.613333	7.556528E-02			20	
Benzene	3.092587	9.938156	5.419333	1.609849E-02			SPCC (0.5)	
Bromobenzene	1.243578	8.476245	10.16967	2.402322E-02			20	
Bromochloromethane	0.5779861	8.09768	4.833667	4.121015E-02			20	
Bromodichloromethane	0.3277383	12.66388	6.536445	2.078079E-02			SPCC (0.2)	
Bromoform	0.1370361	15.27596	9.642667	2.117252E-02			SPCC (0.1)	
Bromomethane	0.343164	25.58481	2.117333	0.1029494			SPCC (0.1)	
Carbon disulfide	1.712286	6.904592	3.186556	2.263421E-02			SPCC (0.1)	
Carbon tetrachloride	1.087495	13.03194	5.246333	3.298117E-02			SPCC (0.1)	
Chlorobenzene	0.6552856	9.150825	8.764	2.135544E-02			SPCC (0.5)	
Chloroethane	0.5368322	6.753834	2.224667	7.989877E-02			SPCC (0.1)	
Chloroform	1.473209	8.338214	4.927	2.556548E-02			SPCC (0.2)	
Chloromethane	0.6998179	5.472659	1.736	0.1224083			SPCC (0.1)	
cis-1,2-Dichloroethylene	1.289996	8.828597	4.613	3.492735E-02			SPCC (0.1)	
cis-1,3-Dichloropropylene	0.3934467	10.58863	6.959667	2.660743E-02			SPCC (0.2)	
Cyclohexane	1.42672	14.68837	5.188889	4.008613E-02			SPCC (0.1)	
Dibromochloromethane	0.2319565	13.78979	8.124334	2.084519E-02			SPCC (0.1)	
Dibromomethane	0.1393895	9.557672	6.369667	1.921086E-02			20	
Dichlorodifluoromethane	0.7600724	11.2024	1.536333	0.1042294			SPCC (0.1)	
Ethyl Benzene	1.079105	11.43741	8.867334	2.264713E-02			SPCC (0.1)	
Hexachlorobutadiene	0.1265933	10.97299	13.747	1.803599E-02			20	
Isopropylbenzene	2.961365	9.805236	9.823	1.660184E-02			SPCC (0.1)	
Methyl acetate	0.3851335	4.498234	3.284333	3.895266E-02			SPCC (0.1)	
Methyl tert-butyl ether (MTBE)	2.129366	9.089991	3.676333	5.379251E-02			SPCC (0.1)	
Methylcyclohexane	0.3791172	11.16147	6.285667	2.460211E-02			SPCC (0.1)	
Methylene chloride	0.8938756	6.510532	3.425667	6.407409E-02			SPCC (0.1)	
Naphthalene	1.559793	6.566866	13.861	1.787471E-02			20	
n-Butylbenzene	1.712118	10.16862	11.72733	6.148982E-03			20	
n-Propylbenzene	3.234826	10.21849	10.28567	2.576581E-02			20	
o-Xylene	0.8644629	10.1564	9.420333	2.520397E-02			SPCC (0.3)	
p- & m- Xylenes	0.8259909	13.26811	9.008445	3.184295E-02			SPCC (0.1)	
p-Diethylbenzene	0.978573	7.924269	11.70067	1.893214E-02			20	

FORM VI **INITIAL CALIBRATION DATA (Continued)**

EPA 8260C

Laboratory: York Analytical Laboratories, Inc.
SDG: 20L0374
Client: Walden Associates
Project: IMPL0115.6 218 Lakeville
Calibration: YL00001
Instrument: QVOA6
Calibration Date: 11/20/20 18:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
p-Ethyltoluene	2.520154	7.795614	10.42244	2.590755E-02			20	
p-Isopropyltoluene	2.064033	9.687516	11.26733	2.690864E-02			20	
sec-Butylbenzene	2.32912	9.340551	11.08967	1.084847E-02			20	
Styrene	0.6581516	12.55035	9.440667	3.145799E-02			SPCC (0.3)	
SURR: 1,2-Dichloroethane-d4	1.222414	1.792209	5.389	3.027418E-02			20	
SURR: p-Bromofluorobenzene	1.240489	3.266985	10.01833	1.534728E-02			20	
SURR: Toluene-d8	1.458164	2.408213	7.230333	1.057593E-02			20	
tert-Butyl alcohol (TBA)	0.0948794	21.52859	3.502667	0.159596				
tert-Butylbenzene	2.265034	9.721871	10.839	0.0278851			20	
Tetrachloroethylene	0.275721	8.12208	7.836222	2.823669E-02			SPCC (0.2)	
Toluene	1.016547	7.475621	7.300556	1.181978E-02			SPCC (0.4)	
trans-1,2-Dichloroethylene	1.03767	8.249225	3.694	1.899008E-02			SPCC (0.1)	
trans-1,3-Dichloropropylene	0.3469627	12.51883	7.523333	2.176843E-02			SPCC (0.1)	
trans-1,4-dichloro-2-butene	0.7695731	12.77986	10.21411	1.818382E-02			20	
Trichloroethylene	0.2567609	8.496898	6.046556	3.002387E-02			SPCC (0.2)	
Trichlorofluoromethane	1.157536	10.29169	2.473778	7.914163E-02			SPCC (0.1)	
Vinyl acetate	1.032604	12.51423	4.081222	4.524473E-02			20	
Vinyl Chloride	0.7822203	7.875999	1.807333	5.777101E-02			SPCC (0.1)	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914774.D
Acq On : 26 Oct 2020 11:41 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9102620A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 27 16:40:18 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	270804	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	869347	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	194690	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	279554	9.30	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 93.00%				
51) Toluene-d8 (SURR)	7.290	98	1313752	10.11	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.10%				
70) p-Bromofluorobenzene (...	10.082	95	415349	10.18	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 101.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	9854	0.52	ppb	#	1
3) Chloromethane	1.751	50	12103m	0.62	ppb		
4) Vinyl Chloride	1.832	62	8999	0.45	ppb	#	98
5) Bromomethane	2.152	94	607	0.45	ppb		78
6) Chloroethane	2.256	64	6449	0.49	ppb	#	25
7) Trichlorofluoromethane	2.518	101	18473	0.53	ppb	#	20
8) Ethanol	2.637	45	883m	76.16	ppb		
9) Freon-113	3.027	101	8099m	0.50	ppb		
10) 1,1-Dichloroethylene	3.012	61	14985	0.48	ppb		87
11) Acrolein	2.887	56	536m	0.46	ppb		
12) Acetone	3.015	43	1019	0.56	ppb	#	1
13) Iodomethane	3.146	142	6030	0.84	ppb	#	81
14) Methyl Acetate	3.320	43	1534m	0.36	ppb		
15) Carbon disulfide	3.236	76	27450	0.55	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.523	59	501m	0.56	ppb		
17) Methylene Chloride	3.457	49	9128	0.45	ppb	#	87
18) Acrylonitrile	3.640	53	1192m	0.49	ppb		
19) trans-1,2-Dichloroethy...	3.736	61	14096	0.47	ppb	#	84
20) tert-Butyl Methyl Ethe...	3.730	73	16565	0.38	ppb	#	98
21) 1,1-Dichloroethane	4.131	63	19573	0.49	ppb	#	100
22) Vinyl Acetate	4.128	43	5008m	0.34	ppb		
23) Diisopropyl ether (DIPE)	4.171	45	20462	0.42	ppb	#	54
24) Ethyl-tert-Butyl ether...	4.514	59	22950	0.39	ppb	#	97
25) cis-1,2-Dichloroethylene	4.660	61	17288	0.47	ppb	#	88
26) 2-Butanone	4.619	72	665m	0.57	ppb		
27) 2,2-Dichloropropane	4.671	77	19444	0.47	ppb		96
28) Tetrahydrofuran	4.901	42	958m	0.60	ppb		
29) Bromochloromethane	4.875	49	5118	0.46	ppb	#	55
30) Chloroform	4.971	83	20339	0.46	ppb	#	94
31) 1,1,1-Trichloroethane	5.148	97	19509m	0.46	ppb		
32) Cyclohexane	5.244	56	19930m	0.58	ppb		
33) 1,1-Dichloropropylene	5.293	75	15983	0.50	ppb	#	81
35) Carbon Tetrachloride	5.308	117	16143	0.48	ppb	#	78
36) tert-Amyl alcohol (TAA)	5.436	59	2857m	4.37	ppb		
37) 1,2-Dichloroethane	5.505	62	11100	0.41	ppb	#	100
38) Benzene	5.470	78	40972	0.48	ppb	#	93
39) tert-Amyl methyl ether...	5.598	73	17910	0.36	ppb	#	1
41) Trichloroethylene	6.104	95	11487	0.48	ppb	#	68
42) Methyl Cyclohexane	6.363	83	17238	0.54	ppb		87
43) Methyl Methacrylate	6.368	69	6176	0.47	ppb	#	99
44) Dibromomethane	6.421	93	3885	0.43	ppb		91
45) Bromodichloromethane	6.583	83	13436	0.44	ppb	#	92
46) 1,2-Dichloropropane	6.333	63	8982	0.46	ppb	#	87
47) 1,4-Dioxane	6.406	88	2711m	38.99	ppb		
49) cis-1,3-Dichloropropene	7.013	75	14119	0.43	ppb	#	64
50) 4-Methyl-2-Pentanone	7.121	43	2646m	0.43	ppb		
52) Toluene	7.362	91	45484	0.50	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914774.D
Acq On : 26 Oct 2020 11:41 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9102620A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 27 16:40:18 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

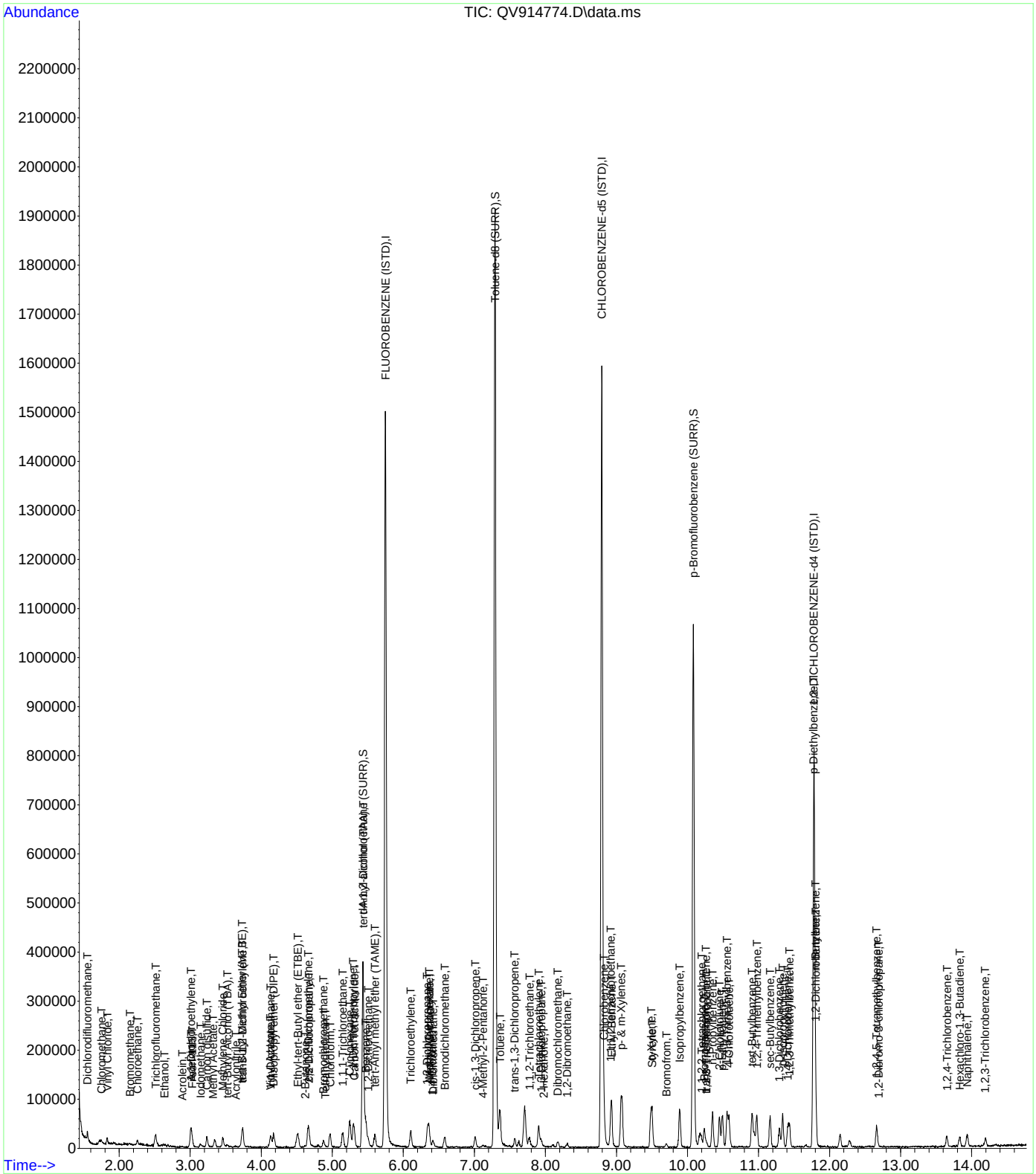
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.566	75	11828	0.43	ppb	#	94
54) 1,1,2-Trichloroethane	7.775	97	5060	0.41	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	9739	0.42	ppb	#	84
56) Tetrachloroethylene	7.906	166	11845	0.52	ppb	#	100
57) 2-Hexanone	7.978	43	2027m	0.50	ppb		
58) Dibromochloromethane	8.173	129	6322	0.40	ppb	#	85
59) 1,2-Dibromoethane	8.307	107	4435	0.37	ppb		85
60) Chlorobenzene	8.824	112	24388	0.44	ppb	#	75
61) 1,1,1,2-tetrachloroethane	8.920	131	8883	0.43	ppb	#	30
62) Ethyl Benzene	8.931	91	53323	0.49	ppb		96
63) p- & m-Xylenes	9.065	91	85216m	0.98	ppb		
64) o-Xylene	9.489	91	40868	0.46	ppb		96
65) Styrene	9.504	104	27419	0.45	ppb	#	82
66) Bromofrom	9.704	173	2834m	0.38	ppb		
68) p-Ethyltoluene	10.486	105	43894	0.50	ppb	#	99
69) Isopropylbenzene	9.890	105	55698	0.54	ppb		89
71) 1,1,2,2-Tetrachloroethane	10.198	83	4751	0.44	ppb	#	65
72) Bromobenzene	10.236	77	19470	0.51	ppb	#	70
73) trans-1,4-Dichloro-2-b...	10.259	75	6790m	0.46	ppb		
74) 1,2,3-Trichloropropane	10.265	110	1316	0.36	ppb	#	1
75) n-Propylbenzene	10.352	91	58767	0.52	ppb	#	87
76) 2-Chlorotoluene	10.451	91	35223	0.49	ppb		97
77) 4-Chlorotoluene	10.582	91	43256m	0.53	ppb		
78) 1,3,5-Trimethylbenzene	10.556	105	41002	0.49	ppb	#	52
79) tert-Butylbenzene	10.907	119	36771	0.50	ppb		88
80) 1,2,4-Trimethylbenzene	10.977	105	41288	0.51	ppb	#	69
81) sec-Butylbenzene	11.163	105	45824	0.53	ppb	#	92
82) 1,3-Dichlorobenzene	11.294	146	16070	0.49	ppb		92
83) p-Isopropyltoluene	11.340	119	37558	0.51	ppb	#	88
84) 1,4-Dichlorobenzene	11.410	146	16792	0.51	ppb	#	85
85) 1,2,3-Trimethylbenzene	11.433	105	26182	0.47	ppb	#	87
86) p-Diethylbenzene	11.773	105	17664	0.48	ppb	#	45
87) 1,2-Dichlorobenzene	11.805	146	12310	0.46	ppb	#	100
88) n-Butylbenzene	11.800	91	35050m	0.52	ppb		
89) 1,2-Dibromo-3-chloropr...	12.692	75	856	0.38	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.660	119	23448	0.45	ppb		84
91) 1,2,4-Trichlorobenzene	13.654	180	5738	0.47	ppb	#	38
92) Hexachloro-1,3-Butadiene	13.831	225	3619	0.66	ppb	#	63
93) Naphthalene	13.935	128	17543m	0.68	ppb		
94) 1,2,3-Trichlorobenzene	14.188	180	4699	0.51	ppb	#	60

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914774.D
Acq On : 26 Oct 2020 11:41 am
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV9102620A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 27 16:40:18 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914775.D
Acq On : 26 Oct 2020 12:06 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9102620A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 27 16:38:16 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	266150	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	877718	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	207516	10.00	ppb		0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	300524	10.17	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 101.70%				
51) Toluene-d8 (SURR)	7.290	98	1311651	10.00	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 100.00%				
70) p-Bromofluorobenzene (...	10.079	95	448241	10.31	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	42828	2.28	ppb	#	1
3) Chloromethane	1.748	50	39317m	2.04	ppb		
4) Vinyl Chloride	1.832	62	43252	2.21	ppb	#	98
5) Bromomethane	2.146	94	1681m	1.27	ppb		
6) Chloroethane	2.254	64	27248	2.10	ppb	#	19
7) Trichlorofluoromethane	2.512	101	81209	2.35	ppb	#	20
8) Ethanol	2.643	45	2382m	209.67	ppb		
9) Freon-113	3.024	101	39049	2.43	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	66519	2.19	ppb	#	83
11) Acrolein	2.881	56	2144m	1.89	ppb		
12) Acetone	3.015	43	3707m	2.09	ppb		
13) Iodomethane	3.143	142	13434m	1.89	ppb		
14) Methyl Acetate	3.323	43	8011	1.90	ppb	#	1
15) Carbon disulfide	3.233	76	103031	2.11	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	2072	2.34	ppb	#	1
17) Methylene Chloride	3.462	49	39903	2.01	ppb	#	66
18) Acrylonitrile	3.645	53	4586m	1.93	ppb		
19) trans-1,2-Dichloroethy...	3.736	61	59769	2.04	ppb	#	85
20) tert-Butyl Methyl Ethe...	3.730	73	84107	1.95	ppb	#	97
21) 1,1-Dichloroethane	4.134	63	82346	2.08	ppb	#	99
22) Vinyl Acetate	4.119	43	26820	1.87	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	99233	2.07	ppb	#	48
24) Ethyl-tert-Butyl ether...	4.514	59	119606	2.07	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	73370	2.04	ppb	#	80
26) 2-Butanone	4.619	72	2173m	1.89	ppb		
27) 2,2-Dichloropropane	4.668	77	87054	2.14	ppb	#	93
28) Tetrahydrofuran	4.912	42	2962m	1.88	ppb		
29) Bromochloromethane	4.878	49	22295	2.04	ppb	#	33
30) Chloroform	4.968	83	88735	2.02	ppb	#	94
31) 1,1,1-Trichloroethane	5.148	97	89449	2.14	ppb	#	56
32) Cyclohexane	5.241	56	56588m	1.68	ppb		
33) 1,1-Dichloropropylene	5.293	75	66720	2.14	ppb	#	69
35) Carbon Tetrachloride	5.311	117	73802	2.21	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.447	59	13062	20.34	ppb	#	1
37) 1,2-Dichloroethane	5.499	62	53253m	2.00	ppb		
38) Benzene	5.473	78	171736	2.03	ppb	#	97
39) tert-Amyl methyl ether...	5.598	73	94293	1.95	ppb	#	1
41) Trichloroethylene	6.101	95	49686	2.07	ppb	#	69
42) Methyl Cyclohexane	6.354	83	77778	2.42	ppb	#	70
43) Methyl Methacrylate	6.368	69	27970	2.11	ppb	#	98
44) Dibromomethane	6.421	93	17691	1.96	ppb	#	59
45) Bromodichloromethane	6.580	83	62750	2.02	ppb	#	93
46) 1,2-Dichloropropane	6.339	63	40439	2.06	ppb	#	88
47) 1,4-Dioxane	6.412	88	5718m	81.07	ppb		
49) cis-1,3-Dichloropropene	7.011	75	67488	2.02	ppb	#	72
50) 4-Methyl-2-Pentanone	7.130	43	11554m	1.85	ppb		
52) Toluene	7.362	91	191480	2.07	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914775.D
Acq On : 26 Oct 2020 12:06 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9102620A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 27 16:38:16 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

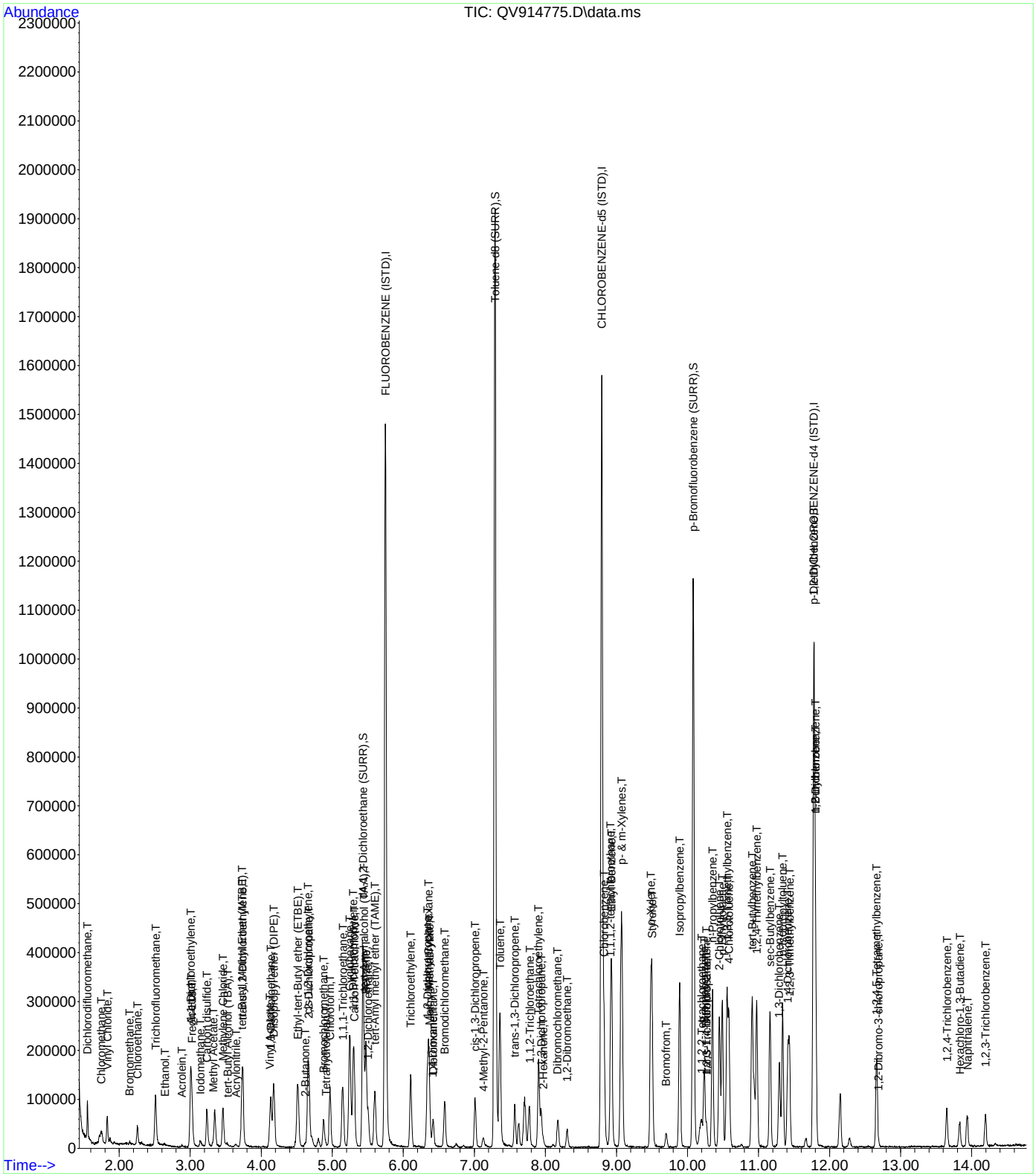
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.569	75	53332	1.90	ppb	#	88
54) 1,1,2-Trichloroethane	7.778	97	24420	1.96	ppb	#	1
55) 1,3-Dichloropropane	7.943	76	46684	2.00	ppb	#	94
56) Tetrachloroethylene	7.900	166	49542	2.17	ppb	#	100
57) 2-Hexanone	7.967	43	7332	1.79	ppb	#	1
58) Dibromochloromethane	8.170	129	31139	1.97	ppb	#	86
59) 1,2-Dibromoethane	8.307	107	23801	1.94	ppb	#	55
60) Chlorobenzene	8.824	112	116259	2.09	ppb	#	72
61) 1,1,1,2-tetrachloroethane	8.917	131	42145	2.03	ppb	#	51
62) Ethyl Benzene	8.929	91	238715	2.17	ppb		95
63) p- & m-Xylenes	9.071	91	380716	4.33	ppb		92
64) o-Xylene	9.484	91	186888	2.08	ppb		96
65) Styrene	9.501	104	123771	2.00	ppb	#	82
66) Bromofrom	9.699	173	13282	1.77	ppb	#	94
68) p-Ethyltoluene	10.489	105	194961	2.08	ppb	#	97
69) Isopropylbenzene	9.890	105	241169	2.20	ppb		93
71) 1,1,2,2-Tetrachloroethane	10.198	83	21783	1.90	ppb	#	98
72) Bromobenzene	10.236	77	81630	2.02	ppb	#	72
73) trans-1,4-Dichloro-2-b...	10.265	75	30314	1.95	ppb	#	52
74) 1,2,3-Trichloropropane	10.268	110	8647	2.24	ppb	#	1
75) n-Propylbenzene	10.352	91	264288	2.19	ppb	#	91
76) 2-Chlorotoluene	10.448	91	163597	2.15	ppb		97
77) 4-Chlorotoluene	10.582	91	187527	2.17	ppb		94
78) 1,3,5-Trimethylbenzene	10.559	105	190380	2.14	ppb	#	55
79) tert-Butylbenzene	10.910	119	167873	2.16	ppb	#	91
80) 1,2,4-Trimethylbenzene	10.974	105	183983	2.12	ppb		89
81) sec-Butylbenzene	11.163	105	203554	2.19	ppb	#	89
82) 1,3-Dichlorobenzene	11.288	146	73093	2.07	ppb	#	90
83) p-Isopropyltoluene	11.338	119	168605	2.14	ppb	#	91
84) 1,4-Dichlorobenzene	11.410	146	70725	2.03	ppb	#	88
85) 1,2,3-Trimethylbenzene	11.436	105	129654	2.19	ppb	#	85
86) p-Diethylbenzene	11.776	105	79845	2.03	ppb	#	48
87) 1,2-Dichlorobenzene	11.800	146	56304	1.96	ppb	#	100
88) n-Butylbenzene	11.800	91	146873m	2.04	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	4310	1.79	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.660	119	107515	1.95	ppb		86
91) 1,2,4-Trichlorobenzene	13.654	180	23970	1.84	ppb	#	13
92) Hexachloro-1,3-Butadiene	13.834	225	10735	1.85	ppb	#	85
93) Naphthalene	13.941	128	49738	1.82	ppb	#	83
94) 1,2,3-Trichlorobenzene	14.194	180	18021	1.84	ppb	#	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914775.D
Acq On : 26 Oct 2020 12:06 pm
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV9102620A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 27 16:38:16 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914786.D
Acq On : 26 Oct 2020 4:58 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9102620A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 27 16:36:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	298317	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	1029500	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	279383	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.432	65	358682	10.83	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 108.30%				
51) Toluene-d8 (SURR)	7.292	98	1489581	9.68	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 96.80%				
70) p-Bromofluorobenzene (...	10.082	95	549499	9.39	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 93.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	59659	2.83	ppb	#	1
3) Chloromethane	1.748	50	70913m	3.28	ppb		
4) Vinyl Chloride	1.829	62	86985	3.97	ppb	#	100
5) Bromomethane	2.151	94	4180	2.80	ppb		93
6) Chloroethane	2.253	64	56437	3.88	ppb	#	25
7) Trichlorofluoromethane	2.509	101	126447	3.26	ppb	#	19
8) Ethanol	2.645	45	4015m	316.06	ppb		
9) Freon-113	3.015	101	58219	3.23	ppb	#	1
10) 1,1-Dichloroethylene	3.003	61	135911	3.99	ppb		91
11) Acrolein	2.884	56	5362m	4.21	ppb		
12) Acetone	3.003	43	10496	5.27	ppb	#	1
13) Iodomethane	3.140	142	32672	4.06	ppb	#	80
14) Methyl Acetate	3.328	43	20766	4.40	ppb	#	1
15) Carbon disulfide	3.232	76	230483	4.22	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.541	59	4886	4.93	ppb	#	1
17) Methylene Chloride	3.459	49	83876	3.76	ppb	#	62
18) Acrylonitrile	3.639	53	10369	3.89	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	133540	4.06	ppb	#	85
20) tert-Butyl Methyl Ethe...	3.727	73	197747	4.09	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	171503	3.86	ppb	#	99
22) Vinyl Acetate	4.116	43	66849	4.16	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	200214	3.73	ppb	#	49
24) Ethyl-tert-Butyl ether...	4.511	59	249866	3.85	ppb	#	100
25) cis-1,2-Dichloroethylene	4.656	61	154885	3.83	ppb	#	86
26) 2-Butanone	4.616	72	5602m	4.34	ppb		
27) 2,2-Dichloropropane	4.665	77	195687	4.30	ppb	#	94
28) Tetrahydrofuran	4.909	42	7603	4.30	ppb	#	1
29) Bromochloromethane	4.874	49	47839	3.90	ppb	#	33
30) Chloroform	4.964	83	185897	3.78	ppb	#	93
31) 1,1,1-Trichloroethane	5.148	97	196396	4.19	ppb	#	55
32) Cyclohexane	5.243	56	126396m	3.34	ppb		
33) 1,1-Dichloropropylene	5.296	75	141098	4.04	ppb	#	73
35) Carbon Tetrachloride	5.304	117	146977	3.93	ppb	#	99
36) tert-Amyl alcohol (TAA)	5.435	59	28413	39.47	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	117718	3.94	ppb	#	98
38) Benzene	5.470	78	378957	3.99	ppb	#	94
39) tert-Amyl methyl ether...	5.601	73	219762	4.05	ppb	#	1
41) Trichloroethylene	6.104	95	112869	4.00	ppb	#	71
42) Methyl Cyclohexane	6.359	83	119737	3.18	ppb	#	77
43) Methyl Methacrylate	6.371	69	55485	3.58	ppb	#	98
44) Dibromomethane	6.420	93	40086	3.78	ppb	#	88
45) Bromodichloromethane	6.583	83	128955	3.55	ppb	#	95
46) 1,2-Dichloropropane	6.336	63	84217	3.66	ppb	#	78
47) 1,4-Dioxane	6.409	88	5984m	72.40	ppb		
49) cis-1,3-Dichloropropene	7.010	75	146365	3.73	ppb	#	72
50) 4-Methyl-2-Pentanone	7.121	43	26985	3.68	ppb	#	28
52) Toluene	7.362	91	426159	3.92	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914786.D
Acq On : 26 Oct 2020 4:58 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9102620A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 27 16:36:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

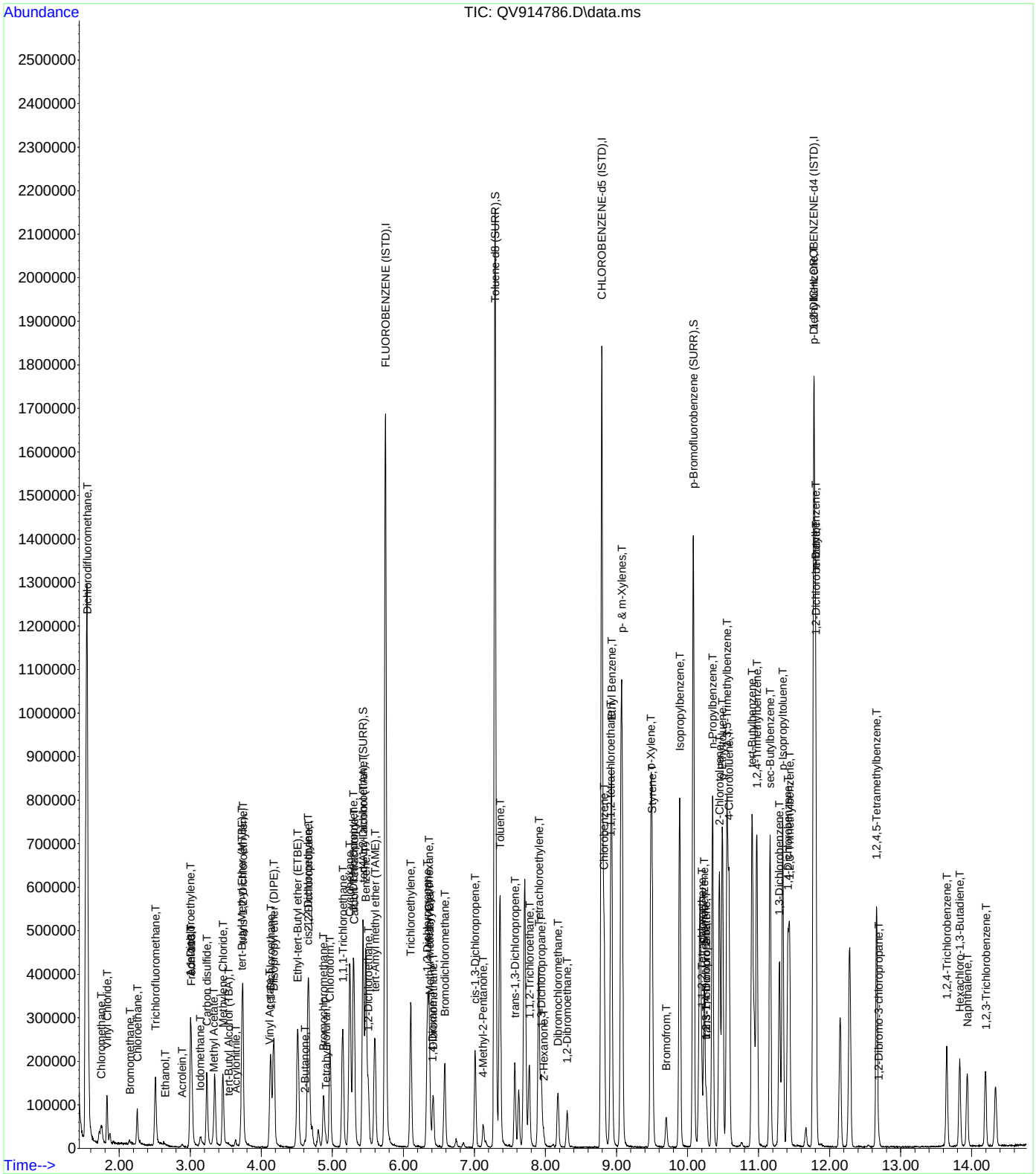
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.571	75	121991	3.71	ppb	#	98
54) 1,1,2-Trichloroethane	7.775	97	58228	3.98	ppb	#	1
55) 1,3-Dichloropropane	7.943	76	106371	3.89	ppb	#	68
56) Tetrachloroethylene	7.908	166	118721	4.44	ppb	#	100
57) 2-Hexanone	7.972	43	20120	4.19	ppb	#	3
58) Dibromochloromethane	8.176	129	68602	3.70	ppb	#	83
59) 1,2-Dibromoethane	8.303	107	59045	4.11	ppb		98
60) Chlorobenzene	8.824	112	246765	3.78	ppb	#	76
61) 1,1,1,2-tetrachloroethane	8.917	131	89853	3.70	ppb	#	47
62) Ethyl Benzene	8.931	91	536309	4.16	ppb		95
63) p- & m-Xylenes	9.073	91	871822	8.46	ppb		92
64) o-Xylene	9.483	91	420534	3.98	ppb		95
65) Styrene	9.504	104	277094	3.81	ppb	#	82
66) Bromofrom	9.701	173	31979	3.63	ppb	#	81
68) p-Ethyltoluene	10.489	105	512494	4.06	ppb	#	97
69) Isopropylbenzene	9.890	105	580794	3.93	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.201	83	58251	3.77	ppb	#	98
72) Bromobenzene	10.233	77	187194	3.45	ppb	#	73
73) trans-1,4-Dichloro-2-b...	10.262	75	72969	3.48	ppb	#	63
74) 1,2,3-Trichloropropane	10.262	110	19132	3.67	ppb	#	1
75) n-Propylbenzene	10.352	91	679485	4.18	ppb	#	90
76) 2-Chlorotoluene	10.451	91	377758	3.68	ppb		97
77) 4-Chlorotoluene	10.582	91	438200	3.77	ppb		94
78) 1,3,5-Trimethylbenzene	10.556	105	492376	4.11	ppb	#	59
79) tert-Butylbenzene	10.907	119	431679	4.12	ppb		92
80) 1,2,4-Trimethylbenzene	10.977	105	464195	3.98	ppb		90
81) sec-Butylbenzene	11.163	105	534065	4.27	ppb	#	90
82) 1,3-Dichlorobenzene	11.294	146	180095	3.79	ppb	#	90
83) p-Isopropyltoluene	11.340	119	461379	4.35	ppb		92
84) 1,4-Dichlorobenzene	11.413	146	176446m	3.76	ppb		
85) 1,2,3-Trimethylbenzene	11.436	105	299115	3.76	ppb	#	85
86) p-Diethylbenzene	11.776	105	237061	4.47	ppb	#	50
87) 1,2-Dichlorobenzene	11.805	146	143663	3.71	ppb	#	100
88) n-Butylbenzene	11.802	91	436720m	4.50	ppb		
89) 1,2-Dibromo-3-chloropr...	12.691	75	12296m	3.80	ppb		
90) 1,2,4,5-Tetramethylben...	12.659	119	320170	4.31	ppb	#	86
91) 1,2,4-Trichlorobenzene	13.647	180	71840	4.10	ppb	#	6
92) Hexachloro-1,3-Butadiene	13.831	225	41659	5.32	ppb	#	64
93) Naphthalene	13.938	128	133889	3.64	ppb		98
94) 1,2,3-Trichlorobenzene	14.200	180	54271	4.12	ppb	#	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914786.D
Acq On : 26 Oct 2020 4:58 pm
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV9102620A
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 27 16:36:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914777.D
Acq On : 26 Oct 2020 12:58 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9102620A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 27 16:39:18 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	265787	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	868946	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	204027	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	291112	9.87	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 98.70%				
51) Toluene-d8 (SURR)	7.290	98	1296746	9.98	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 99.80%				
70) p-Bromofluorobenzene (...	10.082	95	436565	10.22	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 102.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	135479	7.22	ppb	#	1
3) Chloromethane	1.754	50	140173m	7.27	ppb		
4) Vinyl Chloride	1.829	62	147904	7.58	ppb	#	98
5) Bromomethane	2.149	94	9028m	6.67	ppb		
6) Chloroethane	2.256	64	96635	7.46	ppb	#	19
7) Trichlorofluoromethane	2.512	101	244949	7.10	ppb	#	19
8) Ethanol	2.643	45	6104	542.08	ppb	#	1
9) Freon-113	3.021	101	118791	7.41	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	226494	7.47	ppb	#	86
11) Acrolein	2.881	56	10299	9.08	ppb	#	1
12) Acetone	3.009	43	15994	9.02	ppb	#	1
13) Iodomethane	3.146	142	44408	6.15	ppb	#	73
14) Methyl Acetate	3.320	43	37687	8.97	ppb	#	1
15) Carbon disulfide	3.236	76	361108	7.42	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	7700	8.72	ppb	#	1
17) Methylene Chloride	3.462	49	172690	8.69	ppb	#	65
18) Acrylonitrile	3.637	53	20546	8.65	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	231410	7.90	ppb	#	85
20) tert-Butyl Methyl Ethe...	3.730	73	380853	8.85	ppb	#	95
21) 1,1-Dichloroethane	4.131	63	317030	8.01	ppb	#	99
22) Vinyl Acetate	4.119	43	130583	9.13	ppb	#	1
23) Diisopropyl ether (DIPE)	4.171	45	406158	8.49	ppb	#	47
24) Ethyl-tert-Butyl ether...	4.514	59	504397	8.73	ppb	#	100
25) cis-1,2-Dichloroethylene	4.654	61	297187	8.26	ppb	#	86
26) 2-Butanone	4.622	72	10445m	9.09	ppb		
27) 2,2-Dichloropropane	4.671	77	310101	7.65	ppb	#	89
28) Tetrahydrofuran	4.910	42	12796	8.12	ppb	#	1
29) Bromochloromethane	4.875	49	97710	8.94	ppb	#	33
30) Chloroform	4.968	83	368872	8.41	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	318158	7.62	ppb	#	43
32) Cyclohexane	5.250	56	314356m	9.33	ppb		
33) 1,1-Dichloropropylene	5.293	75	233164	7.50	ppb	#	75
35) Carbon Tetrachloride	5.308	117	246228	7.39	ppb	#	99
36) tert-Amyl alcohol (TAA)	5.441	59	53853	83.96	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	233917	8.80	ppb	#	100
38) Benzene	5.473	78	685656	8.10	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	426911	8.83	ppb	#	1
41) Trichloroethylene	6.107	95	189841	7.97	ppb	#	69
42) Methyl Cyclohexane	6.357	83	255372	8.03	ppb	#	66
43) Methyl Methacrylate	6.365	69	111453	8.51	ppb	#	97
44) Dibromomethane	6.418	93	81722	9.14	ppb	#	89
45) Bromodichloromethane	6.580	83	267881	8.73	ppb	#	96
46) 1,2-Dichloropropane	6.336	63	168332	8.67	ppb	#	93
47) 1,4-Dioxane	6.403	88	16810m	236.56	ppb		
49) cis-1,3-Dichloropropene	7.008	75	286046	8.64	ppb	#	70
50) 4-Methyl-2-Pentanone	7.124	43	58331	9.42	ppb	#	44
52) Toluene	7.359	91	756245	8.24	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914777.D
Acq On : 26 Oct 2020 12:58 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9102620A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 27 16:39:18 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

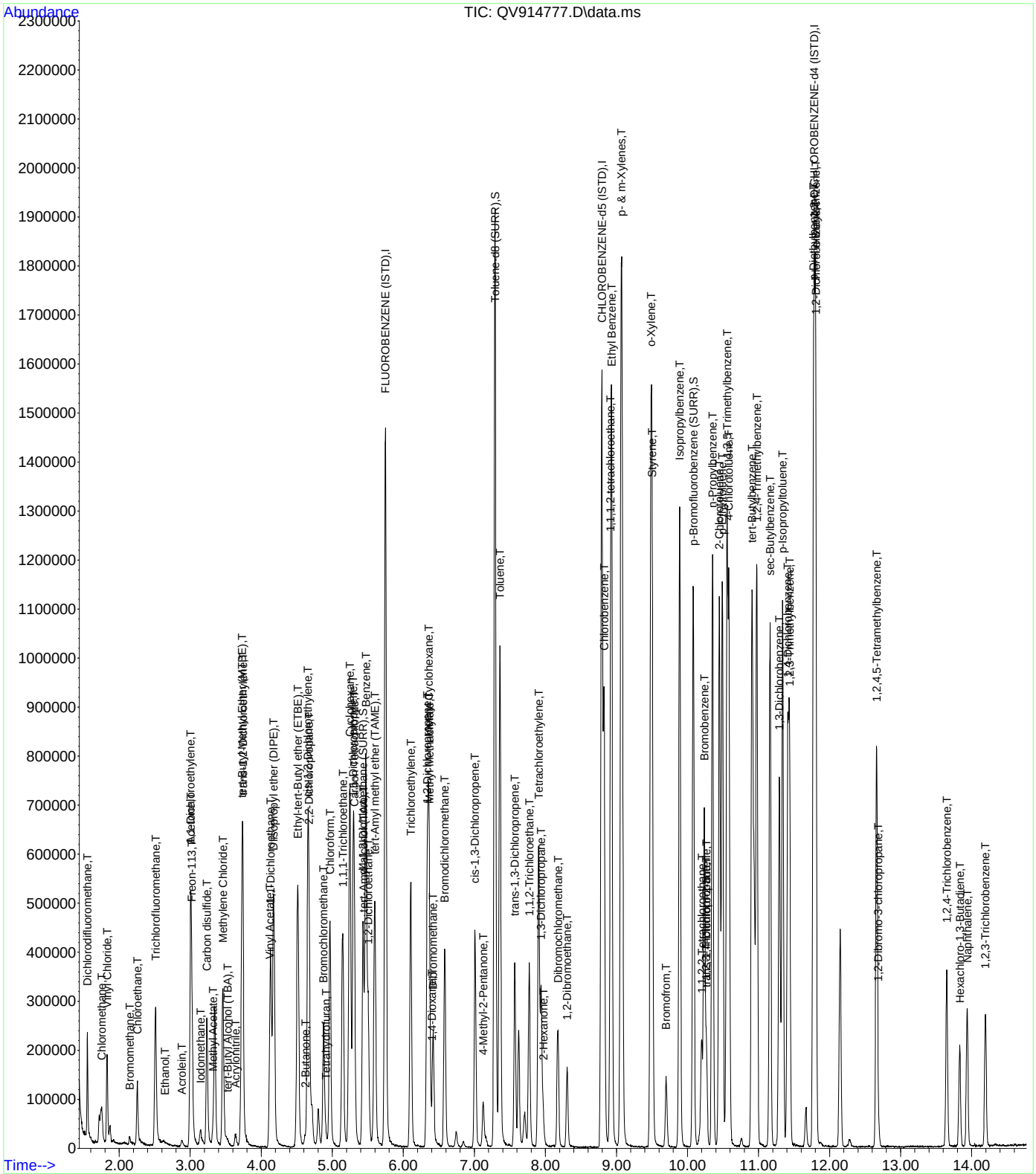
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.569	75	244730	8.83	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	112130	9.09	ppb	#	1
55) 1,3-Dichloropropane	7.938	76	208659	9.04	ppb	#	95
56) Tetrachloroethylene	7.906	166	175921	7.79	ppb	#	100
57) 2-Hexanone	7.970	43	35191	8.67	ppb	#	1
58) Dibromochloromethane	8.179	129	135795	8.67	ppb	#	86
59) 1,2-Dibromoethane	8.304	107	110646	9.13	ppb		92
60) Chlorobenzene	8.827	112	475270	8.63	ppb	#	78
61) 1,1,1,2-tetrachloroethane	8.917	131	182220	8.88	ppb	#	51
62) Ethyl Benzene	8.931	91	896703	8.24	ppb		97
63) p- & m-Xylenes	9.068	91	1498711	17.23	ppb		92
64) o-Xylene	9.486	91	761097	8.54	ppb		95
65) Styrene	9.504	104	535627	8.73	ppb	#	82
66) Bromofrom	9.699	173	65799	8.84	ppb	#	81
68) p-Ethyltoluene	10.489	105	799545	8.68	ppb	#	97
69) Isopropylbenzene	9.890	105	925205	8.57	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.201	83	106790	9.46	ppb	#	98
72) Bromobenzene	10.236	77	355258	8.96	ppb	#	71
73) trans-1,4-Dichloro-2-b...	10.265	75	137676m	8.99	ppb		
74) 1,2,3-Trichloropropane	10.262	110	36009	9.47	ppb	#	1
75) n-Propylbenzene	10.352	91	1028644	8.67	ppb	#	90
76) 2-Chlorotoluene	10.448	91	663737	8.85	ppb		97
77) 4-Chlorotoluene	10.579	91	760071	8.96	ppb		94
78) 1,3,5-Trimethylbenzene	10.559	105	764854	8.74	ppb	#	55
79) tert-Butylbenzene	10.907	119	663468	8.67	ppb		94
80) 1,2,4-Trimethylbenzene	10.977	105	751364	8.82	ppb		90
81) sec-Butylbenzene	11.163	105	790986	8.66	ppb	#	89
82) 1,3-Dichlorobenzene	11.291	146	310312	8.94	ppb	#	89
83) p-Isopropyltoluene	11.338	119	681691	8.80	ppb		91
84) 1,4-Dichlorobenzene	11.410	146	307273	8.97	ppb	#	87
85) 1,2,3-Trimethylbenzene	11.436	105	520368	8.96	ppb	#	87
86) p-Diethylbenzene	11.773	105	340102	8.78	ppb	#	45
87) 1,2-Dichlorobenzene	11.805	146	262626	9.29	ppb	#	100
88) n-Butylbenzene	11.803	91	603434m	8.51	ppb		
89) 1,2-Dibromo-3-chloropr...	12.680	75	22396	9.48	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	482334	8.89	ppb	#	85
91) 1,2,4-Trichlorobenzene	13.651	180	115266	9.01	ppb	#	12
92) Hexachloro-1,3-Butadiene	13.834	225	42851	7.50	ppb	#	66
93) Naphthalene	13.938	128	226222	8.41	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.191	180	82526	8.58	ppb	#	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914777.D
Acq On : 26 Oct 2020 12:58 pm
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV9102620A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 27 16:39:18 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914778.D
Acq On : 26 Oct 2020 1:24 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9102620A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 27 16:16:26 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	270941	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	877800	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	203009	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	292419	9.73	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 97.30%				
51) Toluene-d8 (SURR)	7.290	98	1302659	9.93	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 99.30%				
70) p-Bromofluorobenzene (...	10.082	95	441320	10.38	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	365772	19.13	ppb	#	1
3) Chloromethane	1.751	50	336721m	17.13	ppb		
4) Vinyl Chloride	1.832	62	361389	18.17	ppb	#	98
5) Bromomethane	2.149	94	24505m	16.91	ppb		
6) Chloroethane	2.256	64	242684	18.38	ppb	#	20
7) Trichlorofluoromethane	2.515	101	640422	18.21	ppb	#	22
8) Ethanol	2.637	45	12356	1089.97	ppb	#	1
9) Freon-113	3.018	101	318833	19.50	ppb	#	1
10) 1,1-Dichloroethylene	3.009	61	564493	18.26	ppb	#	83
11) Acrolein	2.881	56	21213	18.35	ppb	#	1
12) Acetone	3.006	43	29932	16.55	ppb	#	1
13) Iodomethane	3.146	142	108173	14.29	ppb	#	72
14) Methyl Acetate	3.326	43	79278	18.50	ppb	#	1
15) Carbon disulfide	3.236	76	875371	17.64	ppb	#	20
16) tert-Butyl Alcohol (TBA)	3.532	59	17037	18.93	ppb	#	1
17) Methylene Chloride	3.459	49	391620	19.33	ppb	#	63
18) Acrylonitrile	3.643	53	43844	18.12	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	548676	18.36	ppb	#	85
20) tert-Butyl Methyl Ethe...	3.727	73	836438	19.06	ppb	#	96
21) 1,1-Dichloroethane	4.134	63	751908	18.63	ppb	#	99
22) Vinyl Acetate	4.119	43	289622	19.87	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	927575	19.03	ppb	#	47
24) Ethyl-tert-Butyl ether...	4.514	59	1126355	19.13	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	691623	18.85	ppb	#	86
26) 2-Butanone	4.616	72	21121m	18.02	ppb		
27) 2,2-Dichloropropane	4.674	77	732188	17.71	ppb	#	93
28) Tetrahydrofuran	4.912	42	27926	17.38	ppb	#	1
29) Bromochloromethane	4.878	49	214623	19.26	ppb	#	33
30) Chloroform	4.971	83	849355	19.00	ppb	#	93
31) 1,1,1-Trichloroethane	5.145	97	779905	18.31	ppb	#	43
32) Cyclohexane	5.250	56	740871m	21.58	ppb		
33) 1,1-Dichloropropylene	5.299	75	571083	18.02	ppb	#	73
35) Carbon Tetrachloride	5.308	117	626947	18.45	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.438	59	120199	183.82	ppb	#	1
37) 1,2-Dichloroethane	5.505	62	530738	19.58	ppb	#	98
38) Benzene	5.473	78	1608138	18.64	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	950047	19.28	ppb	#	1
41) Trichloroethylene	6.101	95	448671	18.65	ppb	#	70
42) Methyl Cyclohexane	6.360	83	674741	21.00	ppb	#	62
43) Methyl Methacrylate	6.365	69	271625	20.53	ppb	#	98
44) Dibromomethane	6.418	93	177953	19.69	ppb	#	49
45) Bromodichloromethane	6.583	83	614261	19.81	ppb	#	96
46) 1,2-Dichloropropane	6.339	63	387709	19.77	ppb	#	93
47) 1,4-Dioxane	6.421	88	31465m	429.11	ppb		
49) cis-1,3-Dichloropropene	7.011	75	656007	19.61	ppb	#	70
50) 4-Methyl-2-Pentanone	7.124	43	117646	18.81	ppb	#	31
52) Toluene	7.362	91	1740668	18.77	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914778.D
Acq On : 26 Oct 2020 1:24 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9102620A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 27 16:16:26 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

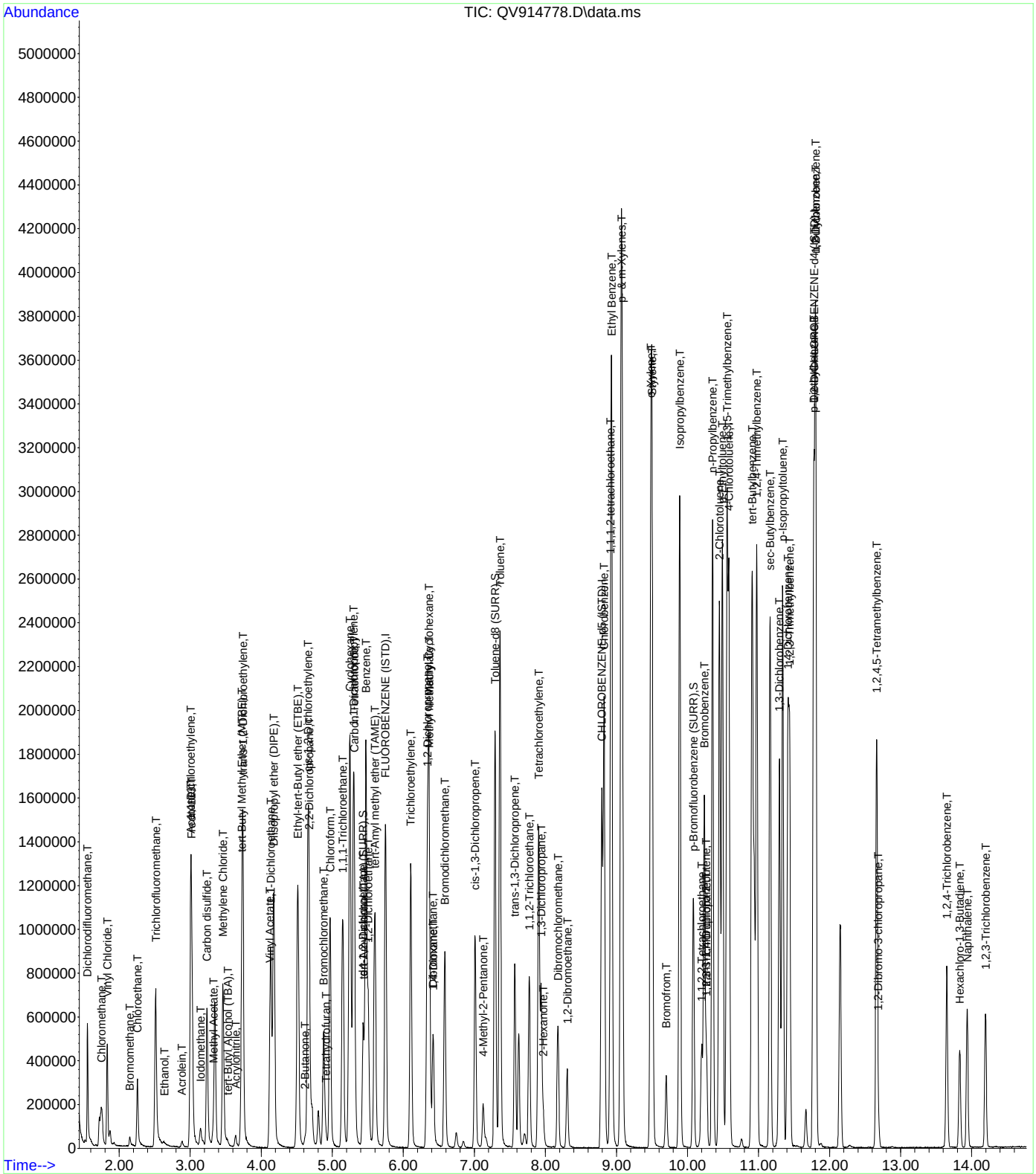
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.569	75	545982	19.49	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	245711	19.71	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	462553	19.84	ppb	#	68
56) Tetrachloroethylene	7.906	166	419762	18.39	ppb	#	100
57) 2-Hexanone	7.967	43	76021	18.55	ppb	#	1
58) Dibromochloromethane	8.179	129	308164	19.48	ppb	#	84
59) 1,2-Dibromoethane	8.310	107	243175	19.87	ppb		91
60) Chlorobenzene	8.824	112	1088246	19.56	ppb	#	80
61) 1,1,1,2-tetrachloroethane	8.917	131	404472	19.51	ppb	#	46
62) Ethyl Benzene	8.931	91	2127136	19.35	ppb		96
63) p- & m-Xylenes	9.071	91	3474524	39.54	ppb		92
64) o-Xylene	9.484	91	1760292	19.55	ppb		96
65) Styrene	9.501	104	1215672	19.61	ppb	#	82
66) Bromofrom	9.701	173	147606	19.64	ppb	#	81
68) p-Ethyltoluene	10.489	105	1896163	20.69	ppb	#	97
69) Isopropylbenzene	9.890	105	2155001	20.05	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	233404	20.79	ppb	#	65
72) Bromobenzene	10.236	77	800974	20.30	ppb	#	72
73) trans-1,4-Dichloro-2-b...	10.262	75	308707m	20.26	ppb		
74) 1,2,3-Trichloropropane	10.265	110	79385	20.98	ppb	#	1
75) n-Propylbenzene	10.352	91	2414292	20.44	ppb	#	90
76) 2-Chlorotoluene	10.451	91	1521527	20.40	ppb		97
77) 4-Chlorotoluene	10.582	91	1769871	20.96	ppb		94
78) 1,3,5-Trimethylbenzene	10.559	105	1788561	20.54	ppb	#	55
79) tert-Butylbenzene	10.910	119	1552574	20.40	ppb		93
80) 1,2,4-Trimethylbenzene	10.974	105	1739131	20.51	ppb		89
81) sec-Butylbenzene	11.163	105	1851907	20.37	ppb	#	89
82) 1,3-Dichlorobenzene	11.294	146	710836	20.59	ppb	#	89
83) p-Isopropyltoluene	11.340	119	1567965	20.34	ppb		91
84) 1,4-Dichlorobenzene	11.413	146	689874	20.24	ppb	#	88
85) 1,2,3-Trimethylbenzene	11.436	105	1200590	20.77	ppb	#	87
86) p-Diethylbenzene	11.776	105	791078	20.52	ppb	#	51
87) 1,2-Dichlorobenzene	11.802	146	579869	20.60	ppb	#	100
88) n-Butylbenzene	11.802	91	1437508m	20.37	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	49771	21.17	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	1120214	20.74	ppb	#	86
91) 1,2,4-Trichlorobenzene	13.651	180	252716	19.85	ppb	#	10
92) Hexachloro-1,3-Butadiene	13.831	225	96947	17.05	ppb	#	63
93) Naphthalene	13.938	128	504514	18.86	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	188141	19.65	ppb	#	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914778.D
Acq On : 26 Oct 2020 1:24 pm
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV9102620A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 27 16:16:26 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914779.D
Acq On : 26 Oct 2020 1:50 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9102620A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 27 16:17:58 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	265585	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	861143	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	205711	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	286603	9.72	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 97.20%				
51) Toluene-d8 (SURR)	7.290	98	1308637	10.17	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.70%				
70) p-Bromofluorobenzene (...	10.082	95	436074	10.12	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 101.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	830995	44.33	ppb	#	1
3) Chloromethane	1.751	50	746153m	38.72	ppb		
4) Vinyl Chloride	1.829	62	815516	41.84	ppb	#	98
5) Bromomethane	2.149	94	62703m	39.90	ppb		
6) Chloroethane	2.256	64	525179	40.57	ppb	#	20
7) Trichlorofluoromethane	2.512	101	1489278	43.19	ppb	#	24
8) Ethanol	2.628	45	20909	1918.11	ppb	#	1
9) Freon-113	3.024	101	707460	44.15	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	1246231	41.13	ppb	#	83
11) Acrolein	2.884	56	44165	38.96	ppb	#	1
12) Acetone	3.009	43	58378	32.93	ppb	#	1
13) Iodomethane	3.143	142	269114	33.94	ppb	#	74
14) Methyl Acetate	3.323	43	154711	36.84	ppb	#	1
15) Carbon disulfide	3.236	76	1894015	38.93	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	29283	33.19	ppb	#	1
17) Methylene Chloride	3.459	49	779742	39.27	ppb	#	63
18) Acrylonitrile	3.640	53	89448	37.70	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	1176222	40.16	ppb	#	85
20) tert-Butyl Methyl Ethe...	3.730	73	1664714	38.70	ppb	#	94
21) 1,1-Dichloroethane	4.134	63	1580277	39.95	ppb	#	99
22) Vinyl Acetate	4.119	43	556036	38.91	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	1914818	40.07	ppb	#	40
24) Ethyl-tert-Butyl ether...	4.514	59	2283574	39.56	ppb	#	100
25) cis-1,2-Dichloroethylene	4.657	61	1449996	40.31	ppb	#	80
26) 2-Butanone	4.619	72	40972m	35.67	ppb		
27) 2,2-Dichloropropane	4.674	77	1631578	40.27	ppb	#	89
28) Tetrahydrofuran	4.907	42	53524	33.98	ppb	#	1
29) Bromochloromethane	4.875	49	425161	38.92	ppb	#	33
30) Chloroform	4.965	83	1757139	40.10	ppb	#	93
31) 1,1,1-Trichloroethane	5.148	97	1718955	41.18	ppb	#	55
32) Cyclohexane	5.247	56	1379440m	40.98	ppb		
33) 1,1-Dichloropropylene	5.296	75	1282244	41.28	ppb	#	74
35) Carbon Tetrachloride	5.311	117	1396573	41.94	ppb	#	99
36) tert-Amyl alcohol (TAA)	5.438	59	231771	361.60	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	1047066	39.40	ppb	#	100
38) Benzene	5.473	78	3383066	40.00	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	1906299	39.46	ppb	#	1
41) Trichloroethylene	6.107	95	954644	40.44	ppb	#	69
42) Methyl Cyclohexane	6.360	83	1416597	44.94	ppb	#	64
43) Methyl Methacrylate	6.368	69	540274	41.63	ppb	#	98
44) Dibromomethane	6.418	93	353222	39.85	ppb	#	89
45) Bromodichloromethane	6.580	83	1221841	40.16	ppb	#	95
46) 1,2-Dichloropropane	6.336	63	778661	40.47	ppb	#	88
47) 1,4-Dioxane	6.415	88	60825m	811.64	ppb		
49) cis-1,3-Dichloropropene	7.011	75	1316070	40.10	ppb	#	70
50) 4-Methyl-2-Pentanone	7.121	43	222516	36.26	ppb	#	32
52) Toluene	7.359	91	3696729	40.64	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914779.D
Acq On : 26 Oct 2020 1:50 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9102620A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 27 16:17:58 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

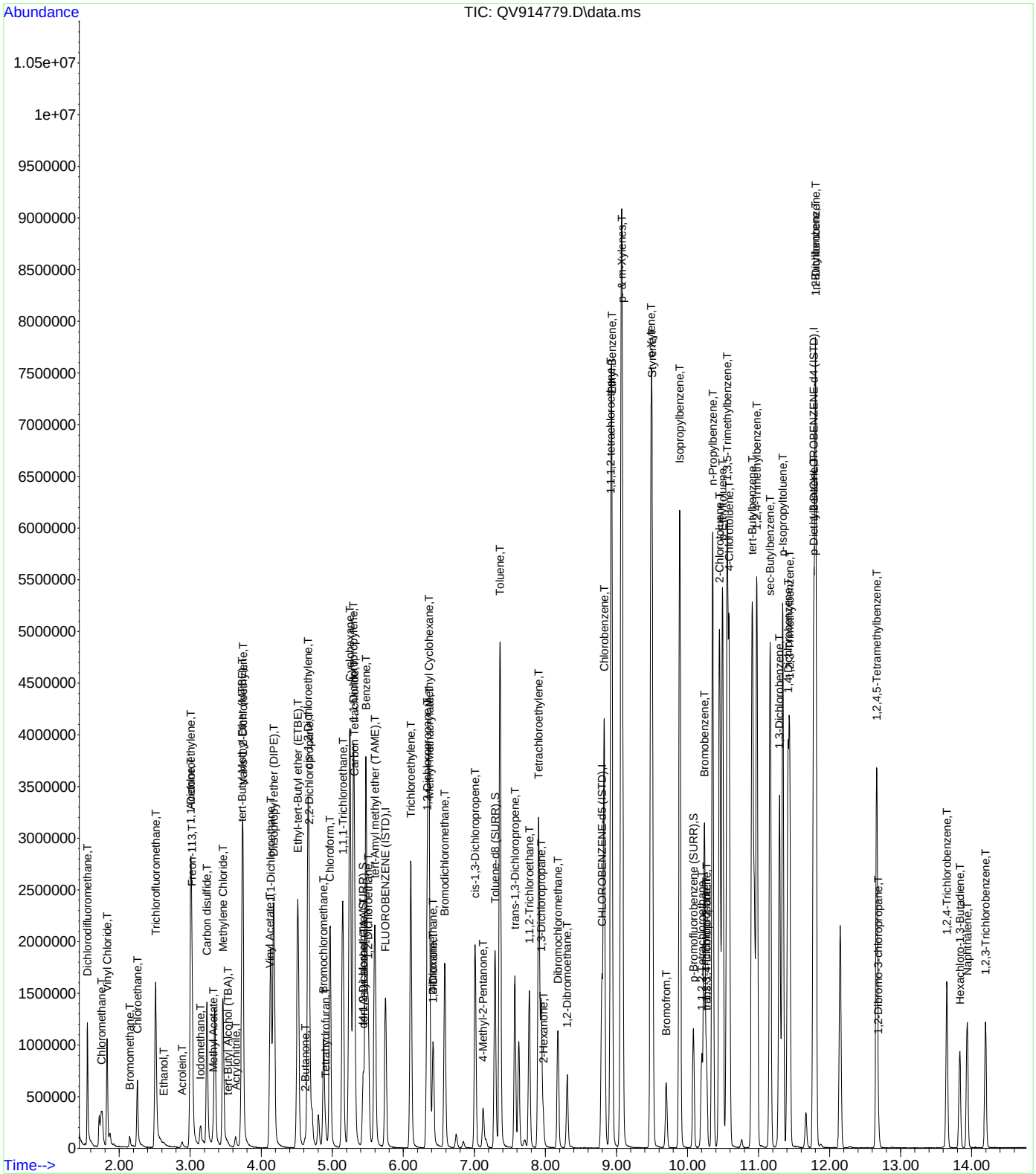
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.571	75	1096107	39.89	ppb	#	98
54) 1,1,2-Trichloroethane	7.772	97	479968	39.24	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	903245	39.50	ppb	#	68
56) Tetrachloroethylene	7.903	166	902852	40.32	ppb	#	100
57) 2-Hexanone	7.970	43	149831	37.26	ppb	#	1
58) Dibromochloromethane	8.176	129	614573	39.60	ppb	#	83
59) 1,2-Dibromoethane	8.307	107	478165	39.82	ppb		92
60) Chlorobenzene	8.827	112	2221090	40.69	ppb	#	81
61) 1,1,1,2-tetrachloroethane	8.920	131	821833	40.41	ppb	#	48
62) Ethyl Benzene	8.934	91	4452180	41.28	ppb		96
63) p- & m-Xylenes	9.074	91	7319456	84.91	ppb		92
64) o-Xylene	9.486	91	3653016	41.36	ppb		96
65) Styrene	9.501	104	2496399	41.05	ppb	#	82
66) Bromofrom	9.701	173	298539	40.48	ppb	#	95
68) p-Ethyltoluene	10.492	105	3808823	41.01	ppb	#	97
69) Isopropylbenzene	9.890	105	4523099	41.53	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.198	83	449164	39.48	ppb	#	65
72) Bromobenzene	10.236	77	1623707	40.62	ppb	#	72
73) trans-1,4-Dichloro-2-b...	10.268	75	612861	39.70	ppb	#	75
74) 1,2,3-Trichloropropane	10.265	110	151406	39.48	ppb	#	1
75) n-Propylbenzene	10.355	91	4979265	41.61	ppb	#	90
76) 2-Chlorotoluene	10.451	91	3083445	40.80	ppb		97
77) 4-Chlorotoluene	10.585	91	3538918	41.36	ppb		94
78) 1,3,5-Trimethylbenzene	10.559	105	3575460	40.52	ppb	#	55
79) tert-Butylbenzene	10.910	119	3131652	40.60	ppb		93
80) 1,2,4-Trimethylbenzene	10.974	105	3460344	40.27	ppb		90
81) sec-Butylbenzene	11.163	105	3755743	40.78	ppb	#	89
82) 1,3-Dichlorobenzene	11.294	146	1397937	39.96	ppb	#	89
83) p-Isopropyltoluene	11.340	119	3157213	40.42	ppb		92
84) 1,4-Dichlorobenzene	11.416	146	1363523	39.48	ppb	#	88
85) 1,2,3-Trimethylbenzene	11.436	105	2366173	40.40	ppb	#	87
86) p-Diethylbenzene	11.776	105	1592511	40.77	ppb	#	49
87) 1,2-Dichlorobenzene	11.802	146	1162201	40.75	ppb	#	100
88) n-Butylbenzene	11.800	91	2906010m	40.63	ppb		
89) 1,2-Dibromo-3-chloropr...	12.686	75	97267	40.83	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.663	119	2217596	40.52	ppb	#	85
91) 1,2,4-Trichlorobenzene	13.651	180	515377	39.96	ppb	#	11
92) Hexachloro-1,3-Butadiene	13.834	225	204218	35.44	ppb	#	65
93) Naphthalene	13.938	128	1001054	36.92	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.194	180	366839	37.82	ppb	#	93

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914779.D
Acq On : 26 Oct 2020 1:50 pm
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV9102620A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 27 16:17:58 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914780.D
Acq On : 26 Oct 2020 2:16 pm
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9102620A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 27 16:19:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.752	70	265697	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	871320	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	214067	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	299451	10.16	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 101.60%				
51) Toluene-d8 (SURR)	7.289	98	1317431	10.11	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.10%				
70) p-Bromofluorobenzene (...	10.085	95	440938	9.83	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 98.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	1975438	105.33	ppb	#	1
3) Chloromethane	1.759	50	1869057m	96.95	ppb		
4) Vinyl Chloride	1.832	62	1925745	98.75	ppb	#	100
5) Bromomethane	2.149	94	200042m	101.27	ppb		
6) Chloroethane	2.253	64	1265049	97.69	ppb	#	19
7) Trichlorofluoromethane	2.512	101	3547474	102.84	ppb	#	19
8) Ethanol	2.634	45	42783	4138.00	ppb	#	1
9) Freon-113	3.023	101	1640662	102.33	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	2964485	97.79	ppb	#	84
11) Acrolein	2.878	56	102156	90.09	ppb	#	1
12) Acetone	3.006	43	143341	80.83	ppb	#	1
13) Iodomethane	3.145	142	792530m	85.55	ppb		
14) Methyl Acetate	3.326	43	377571	89.86	ppb	#	1
15) Carbon disulfide	3.235	76	4563122	93.75	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.529	59	65351	74.04	ppb	#	1
17) Methylene Chloride	3.459	49	1860049	93.64	ppb	#	62
18) Acrylonitrile	3.634	53	208967	88.05	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	2844263	97.07	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.729	73	3975632	92.38	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	3757087	94.94	ppb	#	99
22) Vinyl Acetate	4.119	43	1320824	92.38	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	4539567	94.95	ppb	#	47
24) Ethyl-tert-Butyl ether...	4.517	59	5393082	93.40	ppb	#	100
25) cis-1,2-Dichloroethylene	4.659	61	3411074	94.79	ppb	#	86
26) 2-Butanone	4.622	72	96361m	83.86	ppb		
27) 2,2-Dichloropropane	4.674	77	3863086	95.30	ppb	#	87
28) Tetrahydrofuran	4.906	42	132534	84.10	ppb	#	1
29) Bromochloromethane	4.877	49	986149	90.23	ppb	#	33
30) Chloroform	4.967	83	4155758	94.79	ppb	#	85
31) 1,1,1-Trichloroethane	5.151	97	4087345	97.88	ppb	#	55
32) Cyclohexane	5.246	56	2875632m	85.40	ppb		
33) 1,1-Dichloropropylene	5.296	75	3035593	97.68	ppb	#	74
35) Carbon Tetrachloride	5.310	117	3335166	100.11	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	569683	888.43	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	2490377	93.67	ppb	#	100
38) Benzene	5.476	78	7997130	94.51	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	4508905	93.30	ppb	#	1
41) Trichloroethylene	6.107	95	2318260	97.07	ppb	#	69
42) Methyl Cyclohexane	6.359	83	3210812	100.66	ppb	#	63
43) Methyl Methacrylate	6.365	69	1262318	96.12	ppb	#	98
44) Dibromomethane	6.420	93	831054	92.66	ppb	#	49
45) Bromodichloromethane	6.583	83	2936062	95.38	ppb	#	95
46) 1,2-Dichloropropane	6.339	63	1837552	94.38	ppb	#	88
47) 1,4-Dioxane	6.409	88	138918m	1679.27	ppb		
49) cis-1,3-Dichloropropene	7.010	75	3125347	94.12	ppb	#	70
50) 4-Methyl-2-Pentanone	7.124	43	538596	86.75	ppb	#	31
52) Toluene	7.362	91	8732394	94.88	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914780.D
Acq On : 26 Oct 2020 2:16 pm
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9102620A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 27 16:19:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

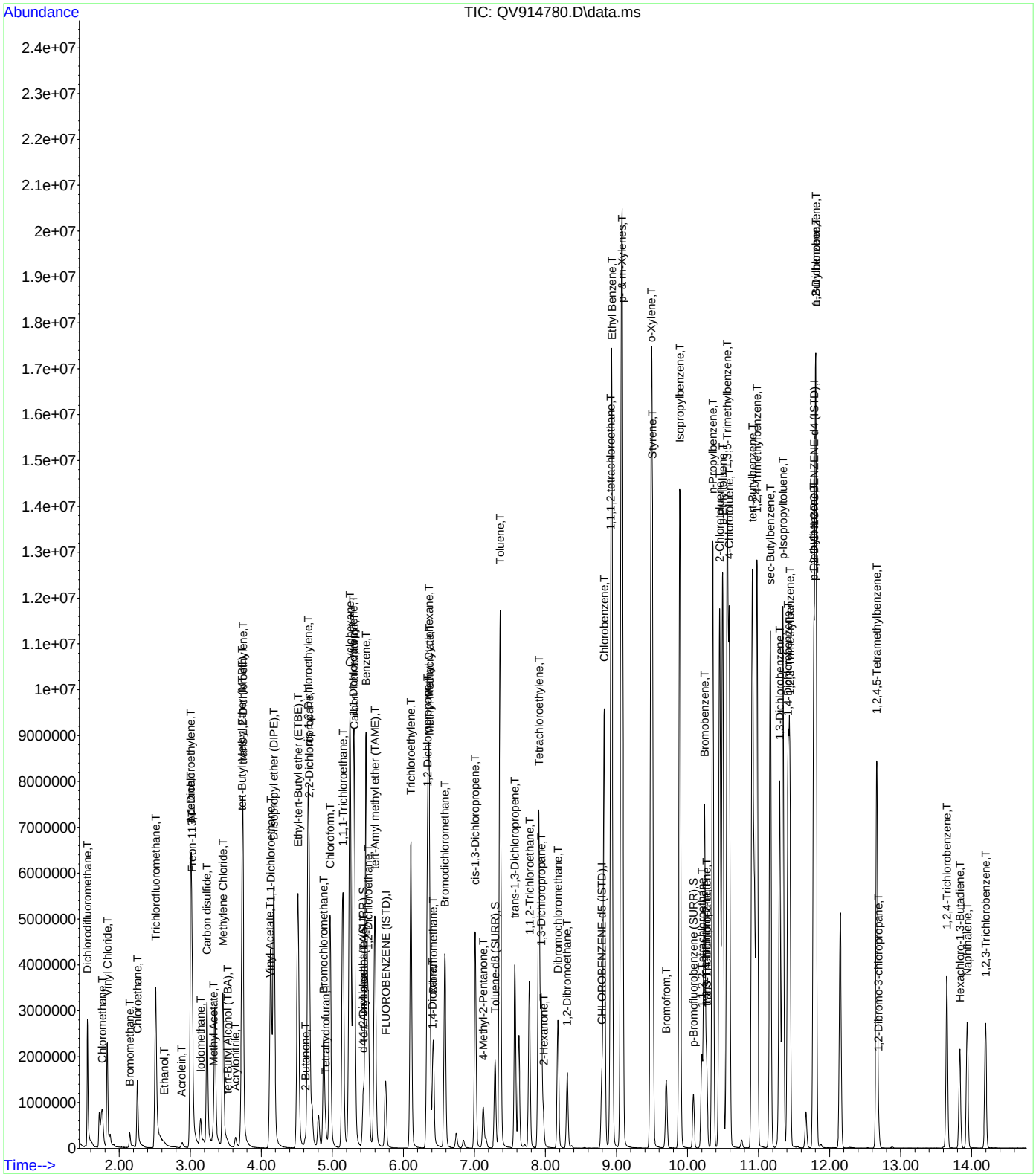
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	2610537	93.89	ppb	#	88
54) 1,1,2-Trichloroethane	7.775	97	1129160	91.24	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	2109510	91.17	ppb	#	70
56) Tetrachloroethylene	7.908	166	2095338	92.49	ppb	#	100
57) 2-Hexanone	7.972	43	357922	87.97	ppb	#	1
58) Dibromochloromethane	8.176	129	1483940	94.50	ppb	#	85
59) 1,2-Dibromoethane	8.306	107	1115774	91.84	ppb		92
60) Chlorobenzene	8.827	112	5219635	94.50	ppb	#	81
61) 1,1,1,2-tetrachloroethane	8.920	131	1952641	94.90	ppb	#	48
62) Ethyl Benzene	8.934	91	10266433	94.07	ppb		96
63) p- & m-Xylenes	9.079	91	16704969	191.52	ppb		92
64) o-Xylene	9.489	91	8396742	93.95	ppb		96
65) Styrene	9.507	104	5772826	93.81	ppb	#	91
66) Bromofrom	9.701	173	707908	94.87	ppb	#	95
68) p-Ethyltoluene	10.495	105	8797559	91.03	ppb	#	97
69) Isopropylbenzene	9.890	105	10297920	90.86	ppb	#	92
71) 1,1,2,2-Tetrachloroethane	10.201	83	1037466	87.63	ppb	#	65
72) Bromobenzene	10.239	77	3702400	89.01	ppb	#	72
73) trans-1,4-Dichloro-2-b...	10.268	75	1434833	89.31	ppb	#	76
74) 1,2,3-Trichloropropane	10.268	110	345820	86.66	ppb	#	1
75) n-Propylbenzene	10.355	91	11311310	90.84	ppb	#	90
76) 2-Chlorotoluene	10.454	91	7172685	91.20	ppb		97
77) 4-Chlorotoluene	10.585	91	8109381	91.08	ppb		94
78) 1,3,5-Trimethylbenzene	10.559	105	8229275	89.61	ppb	#	56
79) tert-Butylbenzene	10.913	119	7198961	89.69	ppb		93
80) 1,2,4-Trimethylbenzene	10.977	105	7953519	88.95	ppb		90
81) sec-Butylbenzene	11.166	105	8575223	89.47	ppb	#	89
82) 1,3-Dichlorobenzene	11.300	146	3222456	88.53	ppb	#	89
83) p-Isopropyltoluene	11.343	119	7162077	88.11	ppb		92
84) 1,4-Dichlorobenzene	11.413	146	3193949	88.86	ppb	#	88
85) 1,2,3-Trimethylbenzene	11.439	105	5424602	89.00	ppb	#	87
86) p-Diethylbenzene	11.776	105	3655704	89.94	ppb	#	48
87) 1,2-Dichlorobenzene	11.805	146	2682804	90.40	ppb	#	100
88) n-Butylbenzene	11.805	91	6913107m	92.89	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	224216	90.46	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.662	119	5024260	88.22	ppb	#	85
91) 1,2,4-Trichlorobenzene	13.650	180	1170682	87.22	ppb	#	11
92) Hexachloro-1,3-Butadiene	13.834	225	446581	74.48	ppb	#	62
93) Naphthalene	13.938	128	2276268	80.68	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	878024	86.98	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914780.D
Acq On : 26 Oct 2020 2:16 pm
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV9102620A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 27 16:19:27 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914781.D
Acq On : 26 Oct 2020 2:41 pm
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9102620A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 27 16:33:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	275843	10.00	ppb		0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	908599	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.785	152	218402	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	310995	10.16	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 101.60%				
51) Toluene-d8 (SURR)	7.289	98	1374350	10.12	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.20%				
70) p-Bromofluorobenzene (...	10.082	95	453537	9.91	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 99.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	2549933	130.96	ppb	#	1
3) Chloromethane	1.719	50	2598219m	129.82	ppb		
4) Vinyl Chloride	1.829	62	2524090	124.68	ppb	#	98
5) Bromomethane	2.149	94	312820m	136.52	ppb		
6) Chloroethane	2.256	64	1704299	126.77	ppb	#	20
7) Trichlorofluoromethane	2.512	101	4564162	127.44	ppb	#	20
8) Ethanol	2.631	45	74734	7616.16	ppb	#	1
9) Freon-113	3.021	101	2039758	122.55	ppb	#	1
10) 1,1-Dichloroethylene	3.009	61	3953347	125.61	ppb	#	86
11) Acrolein	2.884	56	166459	141.40	ppb	#	1
12) Acetone	3.009	43	224680	122.04	ppb	#	1
13) Iodomethane	3.146	142	1285634	121.50	ppb	#	72
14) Methyl Acetate	3.323	43	578560	132.63	ppb	#	1
15) Carbon disulfide	3.236	76	6202041	122.73	ppb	#	20
16) tert-Butyl Alcohol (TBA)	3.526	59	106865	116.62	ppb	#	1
17) Methylene Chloride	3.459	49	2647026	128.36	ppb	#	61
18) Acrylonitrile	3.640	53	328321	133.25	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	3873028	127.32	ppb	#	84
20) tert-Butyl Methyl Ethe...	3.730	73	5908460	132.24	ppb	#	95
21) 1,1-Dichloroethane	4.134	63	5186224	126.23	ppb	#	99
22) Vinyl Acetate	4.119	43	1987069	133.87	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	6405484	129.05	ppb	#	47
24) Ethyl-tert-Butyl ether...	4.514	59	7874622	131.36	ppb	#	79
25) cis-1,2-Dichloroethylene	4.660	61	4718988	126.32	ppb	#	86
26) 2-Butanone	4.619	72	147985m	124.05	ppb		
27) 2,2-Dichloropropane	4.671	77	5142806	122.21	ppb	#	93
28) Tetrahydrofuran	4.907	42	205374	125.53	ppb	#	1
29) Bromochloromethane	4.880	49	1430283	126.05	ppb	#	33
30) Chloroform	4.968	83	5906585	129.77	ppb	#	85
31) 1,1,1-Trichloroethane	5.148	97	5475844	126.30	ppb	#	55
32) Cyclohexane	5.252	56	4981047m	142.48	ppb		
33) 1,1-Dichloropropylene	5.296	75	3998005	123.91	ppb	#	75
35) Carbon Tetrachloride	5.313	117	4321790	124.95	ppb	#	99
36) tert-Amyl alcohol (TAA)	5.441	59	882516	1325.68	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	3593212	130.18	ppb	#	100
38) Benzene	5.476	78	11125840	126.64	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	6610535	131.75	ppb	#	1
41) Trichloroethylene	6.104	95	3115070	125.08	ppb	#	69
42) Methyl Cyclohexane	6.360	83	3789814	113.94	ppb	#	57
43) Methyl Methacrylate	6.368	69	1685155	123.05	ppb	#	98
44) Dibromomethane	6.421	93	1218749	130.31	ppb	#	86
45) Bromodichloromethane	6.583	83	4149264	129.26	ppb	#	95
46) 1,2-Dichloropropane	6.336	63	2556246	125.91	ppb	#	84
47) 1,4-Dioxane	6.409	88	208117	2280.71	ppb		99
49) cis-1,3-Dichloropropene	7.011	75	4490512	129.69	ppb	#	70
50) 4-Methyl-2-Pentanone	7.127	43	843289	130.25	ppb	#	34
52) Toluene	7.362	91	11775502	122.70	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914781.D
Acq On : 26 Oct 2020 2:41 pm
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9102620A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 27 16:33:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

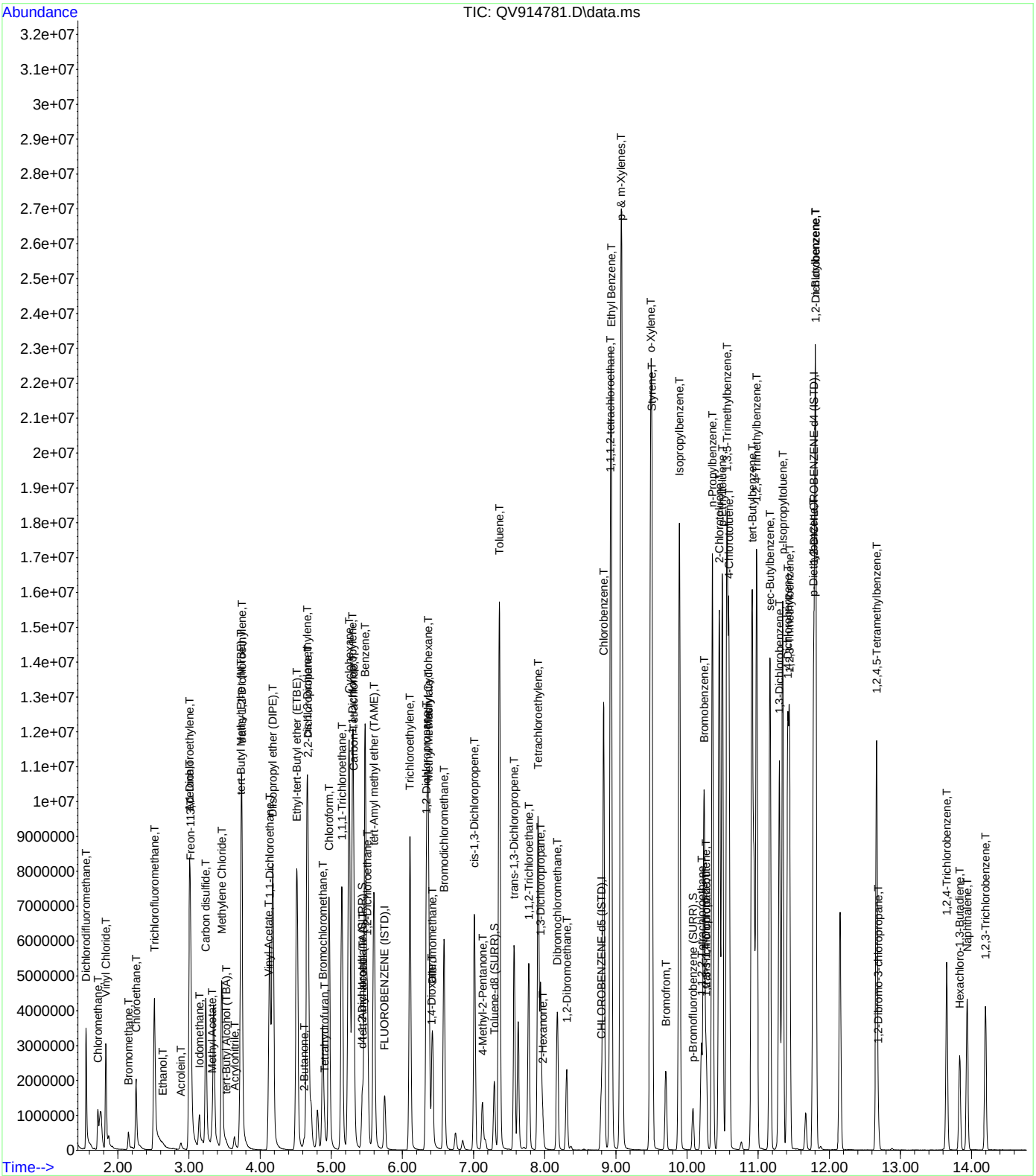
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.568	75	3801946	131.14	ppb	#	88
54) 1,1,2-Trichloroethane	7.778	97	1669964	129.41	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	3066613	127.10	ppb	#	70
56) Tetrachloroethylene	7.906	166	2752191	116.50	ppb	#	100
57) 2-Hexanone	7.972	43	551639	130.02	ppb	#	1
58) Dibromochloromethane	8.176	129	2188341	133.63	ppb	#	84
59) 1,2-Dibromoethane	8.309	107	1639642	129.42	ppb		92
60) Chlorobenzene	8.827	112	7145891	124.07	ppb	#	81
61) 1,1,1,2-tetrachloroethane	8.923	131	2709170	126.27	ppb	#	47
62) Ethyl Benzene	8.934	91	13477283	118.42	ppb		96
63) p- & m-Xylenes	9.071	91	20703938m	227.63	ppb		
64) o-Xylene	9.489	91	11184667	120.01	ppb		96
65) Styrene	9.507	104	7977608	124.32	ppb	#	82
66) Bromofrom	9.704	173	1076117	138.30	ppb	#	95
68) p-Ethyltoluene	10.495	105	11359586	115.21	ppb	#	97
69) Isopropylbenzene	9.893	105	13251382	114.60	ppb	#	92
71) 1,1,2,2-Tetrachloroethane	10.204	83	1531732	126.81	ppb	#	65
72) Bromobenzene	10.239	77	5242818	123.54	ppb	#	71
73) trans-1,4-Dichloro-2-b...	10.265	75	2133837	130.19	ppb	#	76
74) 1,2,3-Trichloropropane	10.268	110	521993	128.21	ppb	#	1
75) n-Propylbenzene	10.355	91	14379141	113.18	ppb	#	90
76) 2-Chlorotoluene	10.454	91	9502855	118.42	ppb		97
77) 4-Chlorotoluene	10.591	91	10900063	120.00	ppb		94
78) 1,3,5-Trimethylbenzene	10.562	105	10826672	115.55	ppb	#	55
79) tert-Butylbenzene	10.916	119	9393894	114.71	ppb		94
80) 1,2,4-Trimethylbenzene	10.977	105	10620497	116.42	ppb		90
81) sec-Butylbenzene	11.166	105	10864877	111.11	ppb	#	90
82) 1,3-Dichlorobenzene	11.300	146	4495636	121.05	ppb	#	89
83) p-Isopropyltoluene	11.346	119	9355770	112.82	ppb		92
84) 1,4-Dichlorobenzene	11.416	146	4427985	120.75	ppb	#	88
85) 1,2,3-Trimethylbenzene	11.439	105	7414288	119.23	ppb	#	87
86) p-Diethylbenzene	11.779	105	4742298	114.35	ppb	#	53
87) 1,2-Dichlorobenzene	11.805	146	3729055	123.16	ppb	#	100
88) n-Butylbenzene	11.802	91	8115012m	106.88	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	335651	132.73	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	6919711	119.09	ppb	#	85
91) 1,2,4-Trichlorobenzene	13.651	180	1695695	123.82	ppb	#	12
92) Hexachloro-1,3-Butadiene	13.831	225	582415	95.21	ppb	#	64
93) Naphthalene	13.938	128	3483472	121.01	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.194	180	1284151	124.69	ppb	#	94

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914781.D
Acq On : 26 Oct 2020 2:41 pm
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV9102620A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 27 16:33:09 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914784.D
Acq On : 26 Oct 2020 3:59 pm
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9102620A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 27 16:35:46 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	265787	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	898858	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.788	152	223052	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.436	65	296548	10.05	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 100.50%				
51) Toluene-d8 (SURR)	7.292	98	1331123	9.91	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 99.10%				
70) p-Bromofluorobenzene (...	10.082	95	450960	9.65	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 96.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	2781011	148.23	ppb	#	1
3) Chloromethane	1.759	50	3330653m	172.71	ppb		
4) Vinyl Chloride	1.826	62	3145617	161.26	ppb	#	98
5) Bromomethane	2.146	94	479749m	188.28	ppb		
6) Chloroethane	2.253	64	2165988	167.21	ppb	#	25
7) Trichlorofluoromethane	2.512	101	5027825	145.70	ppb	#	19
8) Ethanol	2.637	45	75361	8069.35	ppb	#	1
9) Freon-113	3.018	101	2218548	138.33	ppb	#	1
10) 1,1-Dichloroethylene	3.003	61	4750734	156.66	ppb		89
11) Acrolein	2.884	56	228476	201.42	ppb	#	1
12) Acetone	3.015	43	266419	150.19	ppb	#	1
13) Iodomethane	3.143	142	1774818m	158.99	ppb		
14) Methyl Acetate	3.323	43	823503	195.92	ppb	#	1
15) Carbon disulfide	3.233	76	7723139	158.61	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	131997	149.49	ppb	#	1
17) Methylene Chloride	3.459	49	3489621	175.62	ppb	#	60
18) Acrylonitrile	3.640	53	435197	183.31	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	4861649	165.87	ppb	#	84
20) tert-Butyl Methyl Ethe...	3.730	73	8156397	189.46	ppb	#	95
21) 1,1-Dichloroethane	4.134	63	6687417	168.93	ppb	#	99
22) Vinyl Acetate	4.122	43	2713435	189.72	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	8623575	180.32	ppb	#	47
24) Ethyl-tert-Butyl ether...	4.514	59	10550088	182.65	ppb	#	99
25) cis-1,2-Dichloroethylene	4.660	61	6149011	170.82	ppb	#	86
26) 2-Butanone	4.619	72	193951m	168.73	ppb		
27) 2,2-Dichloropropane	4.671	77	6778873	167.18	ppb	#	93
28) Tetrahydrofuran	4.907	42	282963	179.49	ppb	#	1
29) Bromochloromethane	4.878	49	1890405	172.90	ppb	#	33
30) Chloroform	4.968	83	7546380	172.07	ppb	#	93
31) 1,1,1-Trichloroethane	5.148	97	6622793	158.53	ppb	#	55
32) Cyclohexane	5.250	56	4706173m	139.71	ppb		
33) 1,1-Dichloropropylene	5.296	75	4833433	155.48	ppb	#	75
35) Carbon Tetrachloride	5.311	117	5112050	153.39	ppb	#	100
36) tert-Amyl alcohol (TAA)	5.438	59	1277043	1990.90	ppb	#	16
37) 1,2-Dichloroethane	5.505	62	4763016	179.09	ppb	#	98
38) Benzene	5.476	78	14375046	169.82	ppb	#	95
39) tert-Amyl methyl ether...	5.601	73	9194454	190.19	ppb	#	1
41) Trichloroethylene	6.104	95	3970433	161.15	ppb	#	70
42) Methyl Cyclohexane	6.360	83	3833289	116.50	ppb	#	79
43) Methyl Methacrylate	6.371	69	2083448	153.78	ppb	#	96
44) Dibromomethane	6.421	93	1581766	170.95	ppb	#	89
45) Bromodichloromethane	6.586	83	5541877	174.51	ppb	#	95
46) 1,2-Dichloropropane	6.336	63	3320418	165.32	ppb	#	84
47) 1,4-Dioxane	6.421	88	317673m	3237.57	ppb		
49) cis-1,3-Dichloropropene	7.011	75	6039522	176.31	ppb	#	72
50) 4-Methyl-2-Pentanone	7.124	43	1156538	180.57	ppb	#	31
52) Toluene	7.362	91	15338792	161.56	ppb		99

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914784.D
Acq On : 26 Oct 2020 3:59 pm
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9102620A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 27 16:35:46 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

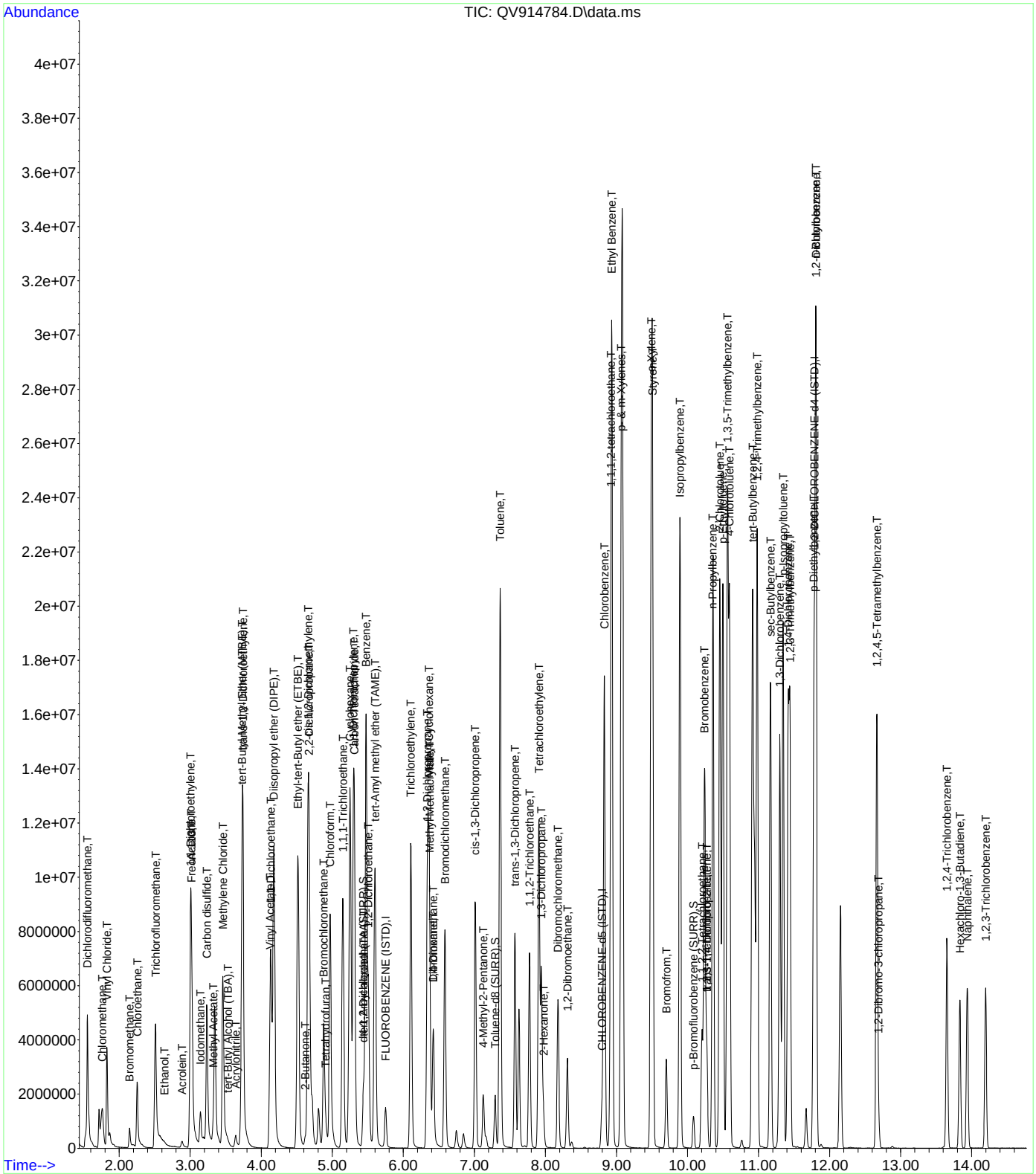
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.571	75	5257940	183.32	ppb	#	98
54) 1,1,2-Trichloroethane	7.775	97	2270132	177.82	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	4198541	175.90	ppb	#	70
56) Tetrachloroethylene	7.909	166	3457758	147.95	ppb	#	100
57) 2-Hexanone	7.972	43	773178	184.21	ppb	#	1
58) Dibromochloromethane	8.176	129	3003311	185.39	ppb	#	84
59) 1,2-Dibromoethane	8.310	107	2283908	182.23	ppb		93
60) Chlorobenzene	8.830	112	9590648	168.31	ppb	#	82
61) 1,1,1,2-tetrachloroethane	8.923	131	3672697	173.03	ppb	#	48
62) Ethyl Benzene	8.931	91	16365219m	145.35	ppb		
63) p- & m-Xylenes	9.065	91	23690345m	263.28	ppb		
64) o-Xylene	9.489	91	14895674	161.57	ppb		96
65) Styrene	9.510	104	10845707	170.85	ppb	#	91
66) Bromofrom	9.704	173	1516860	197.06	ppb	#	95
68) p-Ethyltoluene	10.495	105	14808536	147.06	ppb	#	97
69) Isopropylbenzene	9.890	105	16099079	136.33	ppb	#	89
71) 1,1,2,2-Tetrachloroethane	10.204	83	2173226	176.17	ppb	#	65
72) Bromobenzene	10.236	77	7127301	164.44	ppb	#	73
73) trans-1,4-Dichloro-2-b...	10.271	75	3004539	179.49	ppb	#	76
74) 1,2,3-Trichloropropane	10.271	110	734593	176.67	ppb	#	1
75) n-Propylbenzene	10.352	91	16896231m	130.23	ppb		
76) 2-Chlorotoluene	10.454	91	12721659	155.23	ppb		97
77) 4-Chlorotoluene	10.591	91	14823964	159.80	ppb		94
78) 1,3,5-Trimethylbenzene	10.562	105	14166571	148.05	ppb	#	54
79) tert-Butylbenzene	10.916	119	12104343	144.73	ppb		96
80) 1,2,4-Trimethylbenzene	10.980	105	13911090	149.31	ppb		90
81) sec-Butylbenzene	11.169	105	13379507	133.97	ppb	#	90
82) 1,3-Dichlorobenzene	11.300	146	6113462	161.18	ppb	#	90
83) p-Isopropyltoluene	11.346	119	11894511	140.44	ppb		92
84) 1,4-Dichlorobenzene	11.419	146	6037195	161.20	ppb	#	89
85) 1,2,3-Trimethylbenzene	11.442	105	9836526	154.88	ppb	#	87
86) p-Diethylbenzene	11.779	105	6191410	146.18	ppb	#	50
87) 1,2-Dichlorobenzene	11.808	146	5185366	167.69	ppb	#	100
88) n-Butylbenzene	11.805	91	11174563m	144.10	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	466635	180.67	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	9589379	161.60	ppb	#	86
91) 1,2,4-Trichlorobenzene	13.651	180	2459509	175.85	ppb	#	12
92) Hexachloro-1,3-Butadiene	13.834	225	1205337	192.93	ppb	#	65
93) Naphthalene	13.938	128	5029641	171.08	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.197	180	1873626	178.14	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914784.D
Acq On : 26 Oct 2020 3:59 pm
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV9102620A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 27 16:35:46 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Tue Oct 27 12:47:33 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621345.D
Acq On : 20 Nov 2020 7:26 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV6112020A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 10:53:37 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.694	70	320164	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.730	117	1113320	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.709	152	396650	10.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.388	65	398086	9.29	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 92.90%				
53) Toluene-d8 (SURR)	7.230	98	1609772	10.32	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 103.20%				
73) p-Bromofluorobenzene (...	10.018	95	484642	9.47	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 94.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.535	85	13248m	0.46	ppb		
3) Chloromethane	1.735	50	11536	0.29	ppb	#	75
4) Vinyl Chloride	1.807	62	12059	0.36	ppb	#	43
5) Bromomethane	2.113	94	4159m	0.19	ppb		
6) Chloroethane	2.225	64	8886m	0.38	ppb		
7) Trichlorofluoromethane	2.470	101	19565	0.41	ppb		98
8) Ethanol	2.625	45	1418	7.26	ppb	#	1
9) Freon-113	2.976	101	11583	0.40	ppb	#	69
10) 1,1-Dichloroethylene	2.968	61	14817	0.30	ppb	#	84
11) Acrolein	2.862	56	1161m	0.26	ppb		
12) Acetone	2.976	43	3828m	0.51	ppb		
13) Iodomethane	3.107	142	4650m	0.14	ppb		
14) Allyl Chloride	3.307	76	6081	0.30	ppb	#	100
15) Methyl Acetate	3.285	43	6256	0.34	ppb	#	95
16) Carbon disulfide	3.185	76	26450	0.33	ppb		100
17) tert-Butyl Alcohol (TBA)	3.504	59	1836	0.47	ppb	#	1
18) Methylene Chloride	3.421	49	13128	0.31	ppb	#	75
19) Acrylonitrile	3.613	53	1955m	0.24	ppb		
20) trans-1,2-Dichloroethy...	3.694	61	14082	0.29	ppb	#	74
21) tert-Butyl Methyl Ethe...	3.674	73	27380	0.28	ppb	#	97
22) 1,1-Dichloroethane	4.089	63	19010	0.29	ppb		99
23) Vinyl Acetate	4.086	43	12027	0.22	ppb	#	99
24) Diisopropyl ether (DIPE)	4.125	45	37058	0.33	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.456	59	38406	0.34	ppb	#	85
26) cis-1,2-Dichloroethylene	4.612	61	17091	0.29	ppb	#	85
27) 2-Butanone	4.581	72	2827	0.80	ppb	#	95
28) 2,2-Dichloropropane	4.626	77	16986	0.30	ppb	#	87
29) Tetrahydrofuran	4.857	42	2481	0.30	ppb	#	52
30) Bromochloromethane	4.832	49	8077	0.29	ppb	#	89
31) Chloroform	4.929	83	19838	0.30	ppb	#	96
32) 1,1,1-Trichloroethane	5.093	97	16767	0.29	ppb	#	74
33) Cyclohexane	5.185	56	23004m	0.35	ppb		
34) 1,1-Dichloropropylene	5.241	75	14065	0.28	ppb		89
36) Carbon Tetrachloride	5.246	117	13337	0.28	ppb	#	53
37) tert-Amyl alcohol (TAA)	5.405	59	8931	3.01	ppb	#	69
38) 1,2-Dichloroethane	5.460	62	13697	0.27	ppb		99
39) Benzene	5.419	78	41979	0.30	ppb	#	1
40) tert-Amyl methyl ether...	5.538	73	35317	0.35	ppb	#	100
42) Trichloroethylene	6.050	95	11800	0.29	ppb		97
43) Methyl Cyclohexane	6.287	83	21717	0.38	ppb		83
44) Methyl Methacrylate	6.323	69	10074m	0.30	ppb		
45) Dibromomethane	6.370	93	6105	0.27	ppb		98
46) Bromodichloromethane	6.537	83	12992	0.24	ppb	#	88
47) 1,2-Dichloropropane	6.281	63	10271	0.26	ppb	#	96
48) 1,4-Dioxane	6.348	88	833m	3.29	ppb		
49) 2-nitropropane	6.712	43	2353	0.23	ppb	#	100
51) cis-1,3-Dichloropropene	6.957	75	16591	0.26	ppb		86
52) 4-Methyl-2-Pentanone	7.080	43	7543	0.25	ppb	#	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621345.D
Acq On : 20 Nov 2020 7:26 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV6112020A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 10:53:37 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

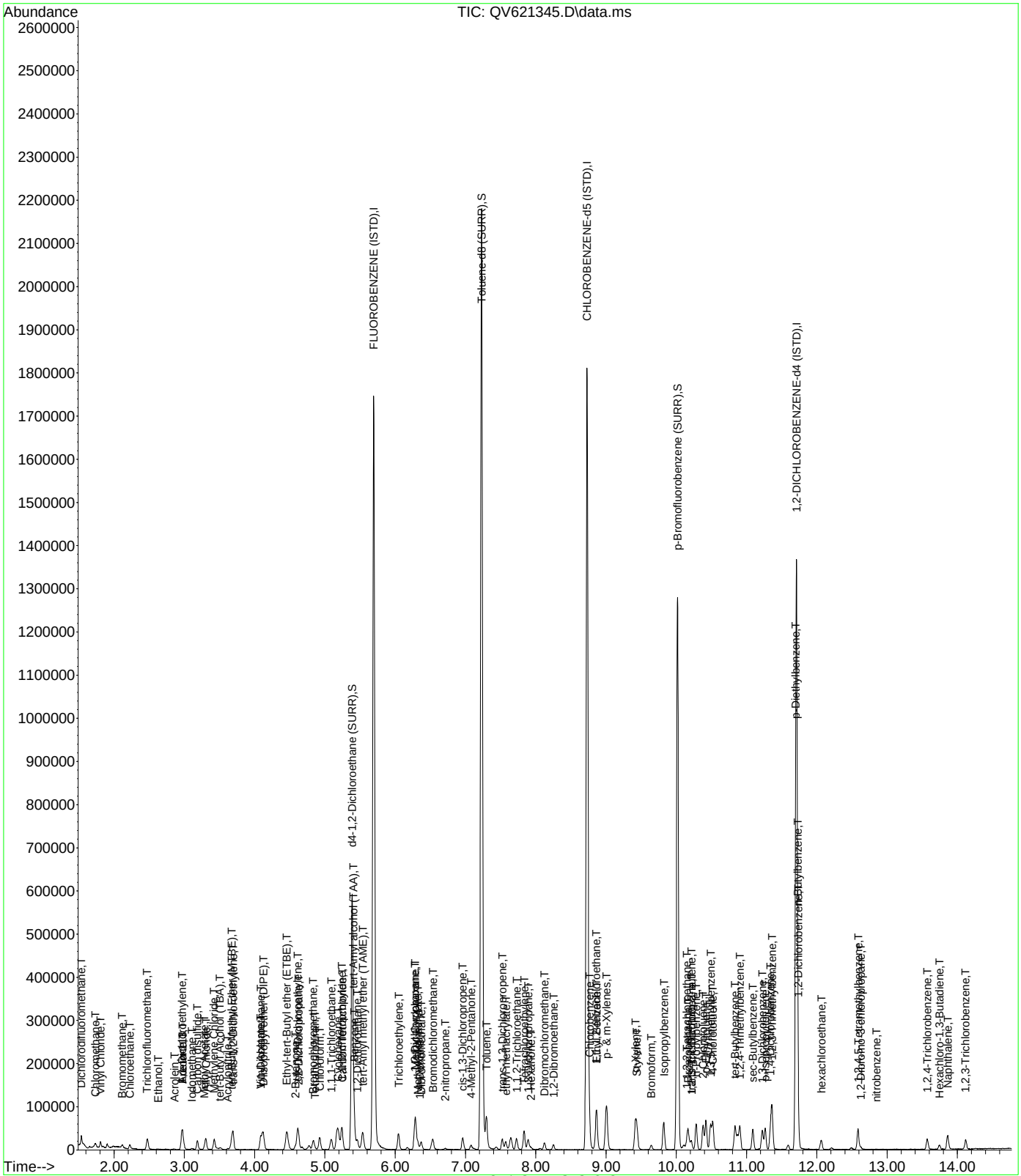
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.299	91	52164	0.33	ppb		99
55) trans-1,3-Dichloropropene	7.525	75	13542	0.23	ppb		98
56) ethyl methacrylate	7.578	69	10300	0.23	ppb	#	100
57) 1,1,2-Trichloroethane	7.731	97	8457	0.28	ppb		95
58) 1,3-Dichloropropane	7.892	76	14581	0.27	ppb	#	83
59) Tetrachloroethylene	7.836	166	13495	0.34	ppb	#	99
60) 2-Hexanone	7.931	43	4378	0.21	ppb	#	89
61) Dibromochloromethane	8.123	129	8762	0.24	ppb	#	93
62) 1,2-Dibromoethane	8.254	107	8396	0.27	ppb		100
63) Chlorobenzene	8.766	112	30641	0.30	ppb	#	23
64) 1,1,1,2-tetrachloroethane	8.860	131	9580	0.27	ppb	#	49
65) Ethyl Benzene	8.866	91	52426	0.32	ppb		99
66) p- & m-Xylenes	9.008	91	80103	0.64	ppb		98
67) o-Xylene	9.420	91	41171	0.31	ppb		100
68) Styrene	9.439	104	27930	0.27	ppb		93
69) Bromoform	9.642	173	5006	0.23	ppb	#	82
71) p-Ethyltoluene	10.421	105	48165	0.37	ppb	#	80
72) Isopropylbenzene	9.826	105	50167	0.33	ppb		98
74) 1,1,2,2-Tetrachloroethane	10.151	83	9400	0.27	ppb	#	69
75) Bromobenzene	10.168	77	19556	0.26	ppb		90
76) trans-1,4-Dichloro-2-b...	10.215	75	10976	0.24	ppb	#	26
77) 1,2,3-Trichloropropane	10.218	110	2994	0.29	ppb	#	52
78) n-Propylbenzene	10.282	91	53929	0.32	ppb	#	96
79) 2-Chlorotoluene	10.379	91	33500	0.28	ppb		99
80) 4-Chlorotoluene	10.519	91	36955	0.29	ppb		98
81) 1,3,5-Trimethylbenzene	10.488	105	36750	0.32	ppb	#	66
82) tert-Butylbenzene	10.836	119	36708	0.31	ppb		96
83) 1,2,4-Trimethylbenzene	10.905	105	35753m	0.31	ppb		
84) sec-Butylbenzene	11.089	105	38746	0.33	ppb		99
85) 1,3-Dichlorobenzene	11.225	146	21259	0.32	ppb		98
86) p-Isopropyltoluene	11.267	119	33192	0.32	ppb		97
87) 1,4-Dichlorobenzene	11.339	146	22201	0.33	ppb		97
88) 1,2,3-Trimethylbenzene	11.364	105	60795	0.67	ppb		99
89) p-Diethylbenzene	11.698	105	17680	0.36	ppb	#	91
90) 1,2-Dichlorobenzene	11.734	146	20015	0.33	ppb	#	86
91) n-Butylbenzene	11.729	91	27807m	0.32	ppb		
92) hexachloroethane	12.065	117	4310	0.23	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.625	75	1539	0.23	ppb	#	62
94) 1,2,4,5-Tetramethylben...	12.589	119	29194	0.33	ppb		98
95) nitrobenzene	12.847	77	164m	0.19	ppb		
96) 1,2,4-Trichlorobenzene	13.573	180	8693	0.30	ppb		97
97) Hexachloro-1,3-Butadiene	13.746	225	2110	0.36	ppb	#	56
98) Naphthalene	13.863	128	29736	0.36	ppb		99
99) 1,2,3-Trichlorobenzene	14.116	180	7447	0.30	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621345.D
Acq On : 20 Nov 2020 7:26 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL1
Misc : QBQV6112020A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 23 10:53:37 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621346.D
Acq On : 20 Nov 2020 7:52 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV6112020A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 10:21:22 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.694	70	320953	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.730	117	1129455	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.709	152	411215	10.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.388	65	398969	9.29	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 92.90%				
53) Toluene-d8 (SURR)	7.230	98	1616640	10.21	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 102.10%				
73) p-Bromofluorobenzene (...	10.018	95	495484	9.34	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 93.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.538	85	38967m	1.34	ppb		
3) Chloromethane	1.735	50	40767	1.03	ppb	#	41
4) Vinyl Chloride	1.807	62	43724	1.30	ppb	#	50
5) Bromomethane	2.119	94	15439m	0.72	ppb		
6) Chloroethane	2.228	64	31481m	1.36	ppb		
7) Trichlorofluoromethane	2.472	101	61369	1.27	ppb		98
8) Ethanol	2.614	45	8053	41.13	ppb	#	1
9) Freon-113	2.976	101	37796	1.29	ppb	#	78
10) 1,1-Dichloroethylene	2.968	61	62979	1.29	ppb		94
11) Acrolein	2.859	56	4760	1.07	ppb	#	74
12) Acetone	2.979	43	12491	1.66	ppb	#	95
13) Iodomethane	3.104	142	13469	0.41	ppb		98
14) Allyl Chloride	3.307	76	24839	1.24	ppb	#	100
15) Methyl Acetate	3.285	43	24429m	1.31	ppb		
16) Carbon disulfide	3.187	76	103294	1.28	ppb		100
17) tert-Butyl Alcohol (TBA)	3.513	59	7691m	1.97	ppb		
18) Methylene Chloride	3.427	49	57379	1.35	ppb	#	73
19) Acrylonitrile	3.619	53	9811	1.22	ppb	#	66
20) trans-1,2-Dichloroethy...	3.694	61	64086	1.32	ppb		97
21) tert-Butyl Methyl Ethe...	3.680	73	135854	1.37	ppb	#	93
22) 1,1-Dichloroethane	4.092	63	88441	1.34	ppb	#	88
23) Vinyl Acetate	4.081	43	60519	1.13	ppb	#	100
24) Diisopropyl ether (DIPE)	4.122	45	152875	1.37	ppb	#	94
25) Ethyl-tert-Butyl ether...	4.459	59	158759	1.40	ppb	#	85
26) cis-1,2-Dichloroethylene	4.612	61	81471	1.36	ppb		95
27) 2-Butanone	4.584	72	6567m	1.85	ppb		
28) 2,2-Dichloropropane	4.620	77	75198	1.33	ppb	#	65
29) Tetrahydrofuran	4.851	42	10835	1.31	ppb	#	56
30) Bromochloromethane	4.832	49	38310	1.39	ppb	#	79
31) Chloroform	4.929	83	91928	1.39	ppb	#	95
32) 1,1,1-Trichloroethane	5.091	97	75735	1.32	ppb	#	82
33) Cyclohexane	5.191	56	88766m	1.36	ppb		
34) 1,1-Dichloropropylene	5.238	75	67252	1.34	ppb		83
36) Carbon Tetrachloride	5.246	117	60389	1.27	ppb	#	55
37) tert-Amyl alcohol (TAA)	5.399	59	34715	11.67	ppb		94
38) 1,2-Dichloroethane	5.461	62	64985	1.29	ppb	#	87
39) Benzene	5.419	78	197280	1.42	ppb	#	60
40) tert-Amyl methyl ether...	5.538	73	143570	1.41	ppb	#	100
42) Trichloroethylene	6.045	95	53616	1.30	ppb		97
43) Methyl Cyclohexane	6.284	83	70805	1.23	ppb		83
44) Methyl Methacrylate	6.323	69	42430m	1.24	ppb		
45) Dibromomethane	6.370	93	29775	1.32	ppb		98
46) Bromodichloromethane	6.537	83	66910	1.23	ppb		94
47) 1,2-Dichloropropane	6.281	63	50464	1.28	ppb	#	96
48) 1,4-Dioxane	6.345	88	5342m	20.78	ppb		
49) 2-nitropropane	6.713	43	10856	1.03	ppb	#	100
51) cis-1,3-Dichloropropene	6.960	75	81620	1.24	ppb		87
52) 4-Methyl-2-Pentanone	7.080	43	34455	1.12	ppb	#	80

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621346.D
Acq On : 20 Nov 2020 7:52 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV6112020A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 10:21:22 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

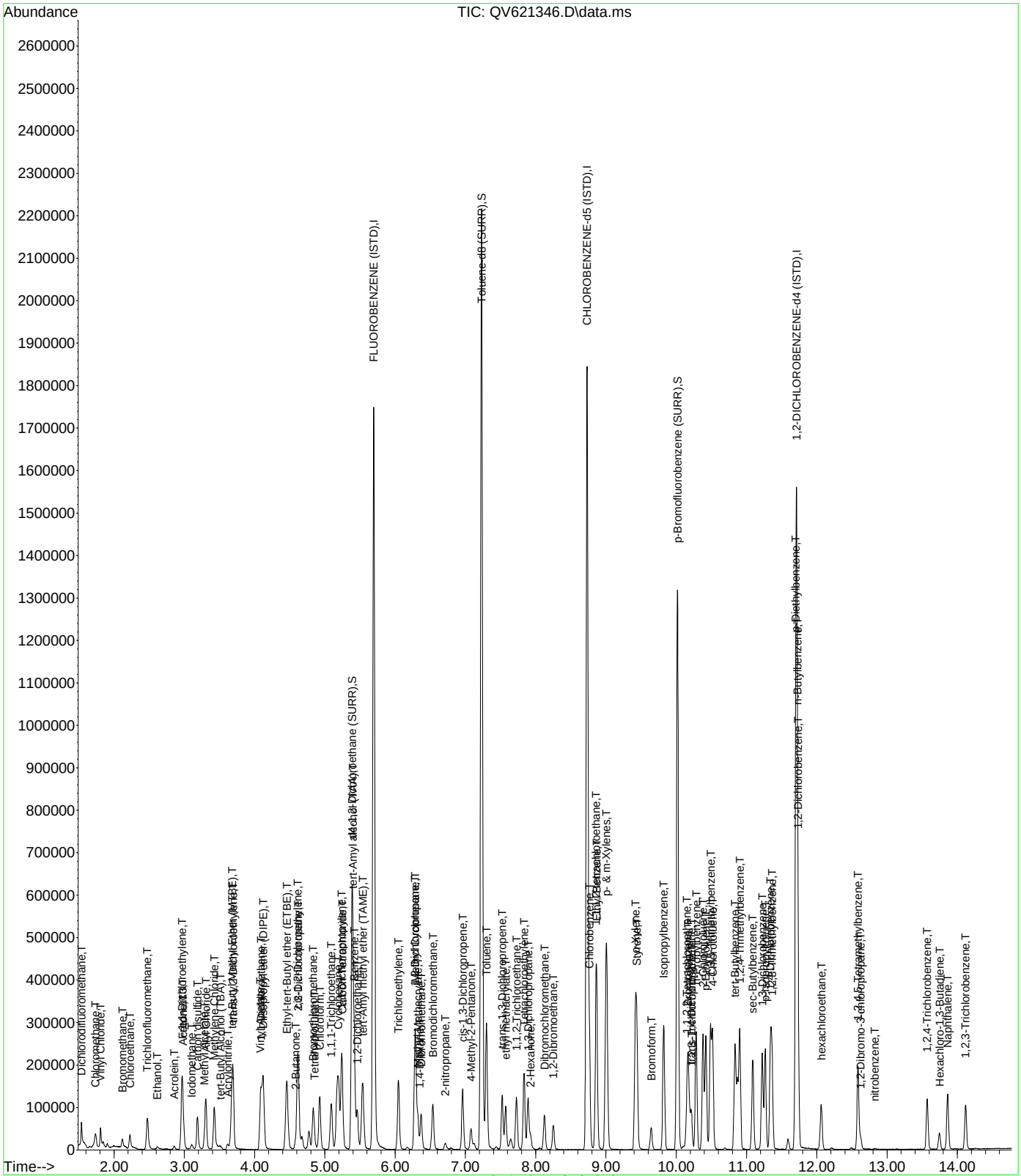
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.300	91	226470	1.43	ppb		99
55) trans-1,3-Dichloropropene	7.522	75	72341	1.22	ppb		100
56) ethyl methacrylate	7.572	69	55957	1.21	ppb	#	100
57) 1,1,2-Trichloroethane	7.728	97	41781	1.35	ppb		94
58) 1,3-Dichloropropane	7.892	76	72487	1.33	ppb		91
59) Tetrachloroethylene	7.834	166	58281	1.45	ppb	#	100
60) 2-Hexanone	7.926	43	24020	1.13	ppb	#	6
61) Dibromochloromethane	8.126	129	46975	1.27	ppb		99
62) 1,2-Dibromoethane	8.248	107	42709	1.37	ppb		98
63) Chlorobenzene	8.763	112	148558	1.45	ppb		92
64) 1,1,1,2-tetrachloroethane	8.858	131	49716	1.37	ppb	#	73
65) Ethyl Benzene	8.866	91	243782	1.45	ppb		99
66) p- & m-Xylenes	9.005	91	380124	2.98	ppb		98
67) o-Xylene	9.420	91	196241	1.44	ppb		100
68) Styrene	9.439	104	144589	1.39	ppb		95
69) Bromoform	9.645	173	26492	1.21	ppb	#	82
71) p-Ethyltoluene	10.419	105	194031	1.46	ppb	#	82
72) Isopropylbenzene	9.820	105	233571	1.47	ppb		98
74) 1,1,2,2-Tetrachloroethane	10.151	83	48049	1.34	ppb	#	69
75) Bromobenzene	10.168	77	96594	1.25	ppb		91
76) trans-1,4-Dichloro-2-b...	10.215	75	56808	1.21	ppb	#	55
77) 1,2,3-Trichloropropane	10.218	110	14939	1.40	ppb	#	1
78) n-Propylbenzene	10.285	91	256494	1.47	ppb		99
79) 2-Chlorotoluene	10.380	91	184331	1.48	ppb		99
80) 4-Chlorotoluene	10.519	91	186639	1.42	ppb		97
81) 1,3,5-Trimethylbenzene	10.488	105	178159	1.47	ppb	#	65
82) tert-Butylbenzene	10.836	119	172249	1.41	ppb		95
83) 1,2,4-Trimethylbenzene	10.905	105	176200	1.45	ppb		99
84) sec-Butylbenzene	11.086	105	178111	1.47	ppb		99
85) 1,3-Dichlorobenzene	11.223	146	105819	1.52	ppb		98
86) p-Isopropyltoluene	11.267	119	159680	1.48	ppb		98
87) 1,4-Dichlorobenzene	11.339	146	108014	1.53	ppb		97
88) 1,2,3-Trimethylbenzene	11.362	105	137013	1.46	ppb		100
89) p-Diethylbenzene	11.698	105	71084	1.40	ppb	#	93
90) 1,2-Dichlorobenzene	11.732	146	98085	1.54	ppb	#	87
91) n-Butylbenzene	11.726	91	125167m	1.37	ppb		
92) hexachloroethane	12.066	117	22730	1.15	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.622	75	8819m	1.26	ppb		
94) 1,2,4,5-Tetramethylben...	12.583	119	126672	1.40	ppb		98
95) nitrobenzene	12.825	77	494	0.55	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.568	180	43268	1.46	ppb		98
97) Hexachloro-1,3-Butadiene	13.749	225	9083	1.48	ppb		99
98) Naphthalene	13.860	128	120083	1.40	ppb		98
99) 1,2,3-Trichlorobenzene	14.116	180	36824	1.44	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621346.D
Acq On : 20 Nov 2020 7:52 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL2
Misc : QBQV6112020A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 23 10:21:22 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621347.D
Acq On : 20 Nov 2020 8:19 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV6112020A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 10:18:48 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.697	70	326717	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.730	117	1137798	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.709	152	416285	10.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.388	65	399099	9.13	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 91.30%				
53) Toluene-d8 (SURR)	7.230	98	1636640	10.26	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 102.60%				
73) p-Bromofluorobenzene (...	10.018	95	499991	9.31	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 93.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.538	85	95811	3.25	ppb	#	1
3) Chloromethane	1.735	50	94813	2.36	ppb	#	42
4) Vinyl Chloride	1.810	62	104904	3.06	ppb	#	50
5) Bromomethane	2.116	94	35573	1.63	ppb		78
6) Chloroethane	2.225	64	73383	3.11	ppb		90
7) Trichlorofluoromethane	2.475	101	150308	3.06	ppb		98
8) Ethanol	2.611	45	18721	93.94	ppb	#	1
9) Freon-113	2.979	101	82420	2.77	ppb	#	69
10) 1,1-Dichloroethylene	2.965	61	140605	2.83	ppb		94
11) Acrolein	2.856	56	11044	2.45	ppb	#	83
12) Acetone	2.979	43	24049	3.14	ppb	#	95
13) Iodomethane	3.107	142	45431	1.36	ppb		99
14) Allyl Chloride	3.307	76	58999	2.89	ppb	#	100
15) Methyl Acetate	3.285	43	51840m	2.73	ppb		
16) Carbon disulfide	3.187	76	227163	2.76	ppb		100
17) tert-Butyl Alcohol (TBA)	3.510	59	16883	4.25	ppb	#	1
18) Methylene Chloride	3.427	49	127091	2.94	ppb	#	73
19) Acrylonitrile	3.616	53	24051	2.94	ppb	#	73
20) trans-1,2-Dichloroethy...	3.694	61	141433	2.86	ppb		96
21) tert-Butyl Methyl Ethe...	3.674	73	306399	3.04	ppb	#	97
22) 1,1-Dichloroethane	4.089	63	196602	2.93	ppb		98
23) Vinyl Acetate	4.081	43	146474	2.68	ppb	#	99
24) Diisopropyl ether (DIPE)	4.122	45	335106	2.95	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.459	59	352278	3.05	ppb	#	85
26) cis-1,2-Dichloroethylene	4.612	61	179774	2.95	ppb		95
27) 2-Butanone	4.584	72	12222	3.39	ppb	#	95
28) 2,2-Dichloropropane	4.623	77	170298	2.96	ppb	#	65
29) Tetrahydrofuran	4.851	42	22941	2.72	ppb	#	18
30) Bromochloromethane	4.835	49	83904	3.00	ppb	#	78
31) Chloroform	4.926	83	206163	3.06	ppb	#	84
32) 1,1,1-Trichloroethane	5.090	97	173580	2.96	ppb	#	82
33) Cyclohexane	5.191	56	193222m	2.91	ppb		
34) 1,1-Dichloropropylene	5.241	75	150333	2.94	ppb		86
36) Carbon Tetrachloride	5.246	117	139985	2.89	ppb	#	54
37) tert-Amyl alcohol (TAA)	5.399	59	78725	25.99	ppb		92
38) 1,2-Dichloroethane	5.461	62	152717	2.98	ppb		100
39) Benzene	5.419	78	437984	3.09	ppb	#	83
40) tert-Amyl methyl ether...	5.538	73	325719	3.13	ppb	#	100
42) Trichloroethylene	6.048	95	118693	2.86	ppb		97
43) Methyl Cyclohexane	6.284	83	155811	2.69	ppb		84
44) Methyl Methacrylate	6.323	69	96095m	2.79	ppb		
45) Dibromomethane	6.370	93	68455	3.01	ppb		97
46) Bromodichloromethane	6.537	83	153031	2.80	ppb		95
47) 1,2-Dichloropropane	6.284	63	112706	2.84	ppb	#	96
48) 1,4-Dioxane	6.345	88	11845m	45.73	ppb		
49) 2-nitropropane	6.710	43	25543	2.41	ppb	#	100
51) cis-1,3-Dichloropropene	6.960	75	187807	2.83	ppb		86
52) 4-Methyl-2-Pentanone	7.080	43	80399	2.60	ppb	#	83

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621347.D
Acq On : 20 Nov 2020 8:19 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV6112020A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 10:18:48 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

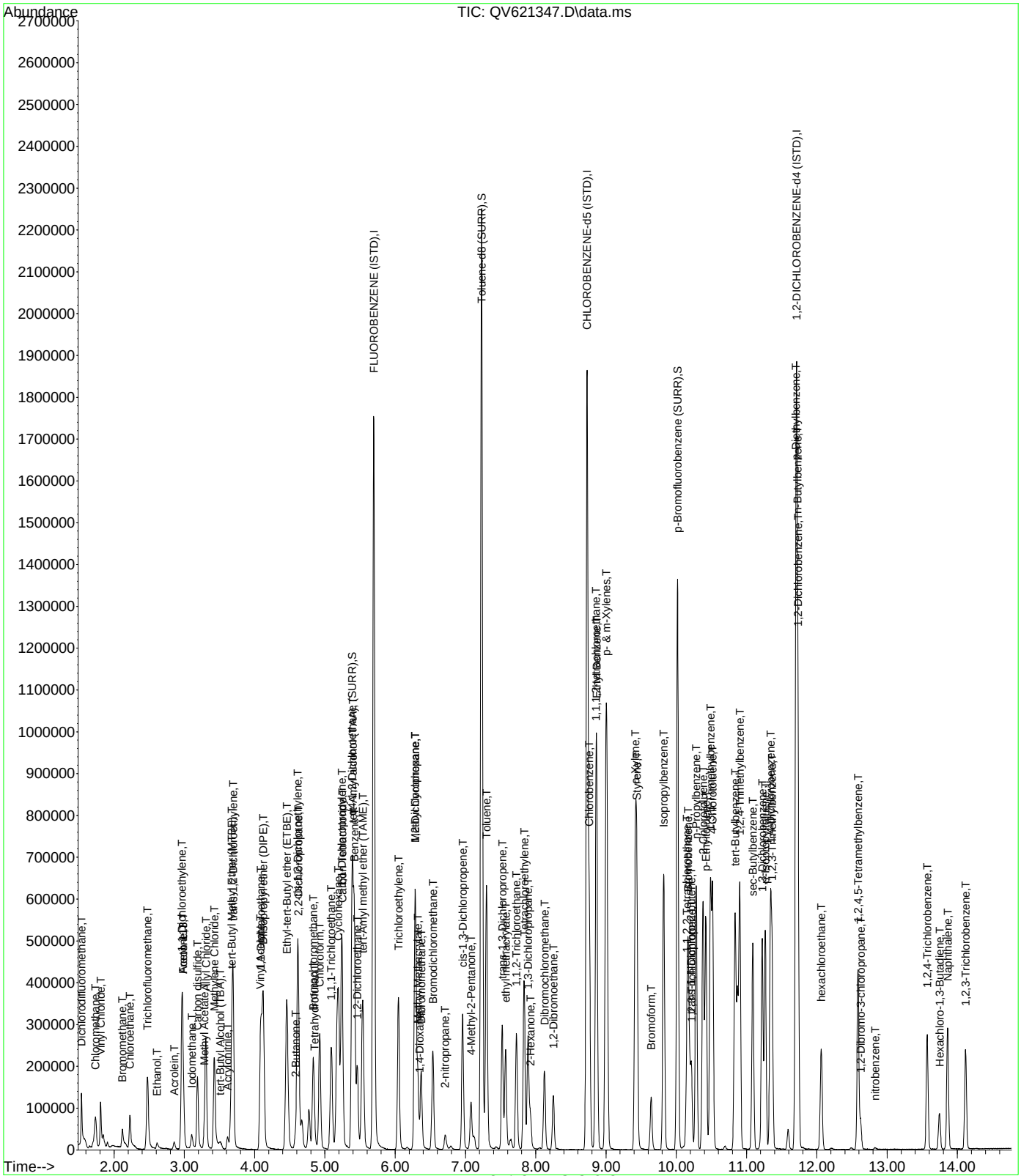
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.300	91	499083	3.12	ppb		99
55) trans-1,3-Dichloropropene	7.525	75	165388	2.77	ppb	#	92
56) ethyl methacrylate	7.572	69	130121	2.79	ppb	#	100
57) 1,1,2-Trichloroethane	7.725	97	95147	3.05	ppb		93
58) 1,3-Dichloropropane	7.889	76	163132	2.98	ppb	#	62
59) Tetrachloroethylene	7.837	166	130373	3.21	ppb	#	100
60) 2-Hexanone	7.926	43	57785	2.71	ppb	#	13
61) Dibromochloromethane	8.126	129	109296	2.93	ppb		99
62) 1,2-Dibromoethane	8.251	107	94867	3.03	ppb		98
63) Chlorobenzene	8.760	112	328731	3.18	ppb	#	91
64) 1,1,1,2-tetrachloroethane	8.858	131	113728	3.11	ppb		98
65) Ethyl Benzene	8.866	91	546156	3.23	ppb		99
66) p- & m-Xylenes	9.005	91	852277	6.64	ppb		98
67) o-Xylene	9.417	91	438389	3.20	ppb		100
68) Styrene	9.439	104	333760	3.19	ppb		96
69) Bromoform	9.642	173	64191	2.91	ppb		99
71) p-Ethyltoluene	10.421	105	419047	3.11	ppb	#	67
72) Isopropylbenzene	9.820	105	529576	3.29	ppb		98
74) 1,1,2,2-Tetrachloroethane	10.151	83	110830	3.04	ppb	#	69
75) Bromobenzene	10.168	77	215207	2.75	ppb		91
76) trans-1,4-Dichloro-2-b...	10.213	75	133793	2.82	ppb	#	54
77) 1,2,3-Trichloropropane	10.218	110	33835	3.12	ppb	#	1
78) n-Propylbenzene	10.282	91	582492	3.29	ppb		99
79) 2-Chlorotoluene	10.382	91	410904	3.25	ppb		100
80) 4-Chlorotoluene	10.516	91	420674	3.17	ppb		97
81) 1,3,5-Trimethylbenzene	10.485	105	402594	3.29	ppb	#	64
82) tert-Butylbenzene	10.839	119	399246	3.23	ppb		93
83) 1,2,4-Trimethylbenzene	10.903	105	405901	3.31	ppb		99
84) sec-Butylbenzene	11.089	105	410491	3.34	ppb		100
85) 1,3-Dichlorobenzene	11.223	146	237638	3.37	ppb		98
86) p-Isopropyltoluene	11.264	119	365683	3.35	ppb		98
87) 1,4-Dichlorobenzene	11.342	146	243312	3.39	ppb		97
88) 1,2,3-Trimethylbenzene	11.362	105	278720	2.93	ppb		100
89) p-Diethylbenzene	11.701	105	158270	3.08	ppb	#	93
90) 1,2-Dichlorobenzene	11.732	146	221516	3.44	ppb	#	88
91) n-Butylbenzene	11.726	91	296095m	3.20	ppb		
92) hexachloroethane	12.063	117	54244	2.71	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.625	75	20200	2.85	ppb	#	52
94) 1,2,4,5-Tetramethylben...	12.586	119	277300	3.02	ppb		99
95) nitrobenzene	12.831	77	2004	2.17	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.571	180	99801	3.34	ppb		97
97) Hexachloro-1,3-Butadiene	13.749	225	21094	3.40	ppb		99
98) Naphthalene	13.863	128	267655	3.09	ppb		99
99) 1,2,3-Trichlorobenzene	14.119	180	85245	3.30	ppb		98

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621347.D
Acq On : 20 Nov 2020 8:19 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL3
Misc : QBQV6112020A
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 23 10:18:48 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621348.D
Acq On : 20 Nov 2020 8:45 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV6112020A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 10:16:18 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.694	70	326334	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.732	117	1147974	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.709	152	411804	10.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.388	65	403570	9.24	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 92.40%				
53) Toluene-d8 (SURR)	7.230	98	1646167	10.23	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 102.30%				
73) p-Bromofluorobenzene (...	10.018	95	504589	9.50	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 95.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.538	85	279136m	9.47	ppb		
3) Chloromethane	1.735	50	239346	5.95	ppb	#	43
4) Vinyl Chloride	1.807	62	280242	8.19	ppb	#	43
5) Bromomethane	2.119	94	96042	4.40	ppb		66
6) Chloroethane	2.225	64	188843	8.00	ppb		89
7) Trichlorofluoromethane	2.475	101	425666	8.68	ppb		98
8) Ethanol	2.611	45	49416	248.25	ppb	#	1
9) Freon-113	2.976	101	262596	8.84	ppb	#	78
10) 1,1-Dichloroethylene	2.965	61	387758	7.81	ppb		89
11) Acrolein	2.856	56	27614	6.12	ppb	#	72
12) Acetone	2.976	43	51636	6.75	ppb	#	96
13) Iodomethane	3.107	142	160065	4.80	ppb		98
14) Allyl Chloride	3.307	76	155091	7.61	ppb	#	100
15) Methyl Acetate	3.285	43	133677m	7.05	ppb		
16) Carbon disulfide	3.187	76	611376	7.43	ppb		100
17) tert-Butyl Alcohol (TBA)	3.502	59	27246	6.87	ppb	#	1
18) Methylene Chloride	3.427	49	309538	7.16	ppb	#	73
19) Acrylonitrile	3.610	53	55190	6.76	ppb	#	69
20) trans-1,2-Dichloroethy...	3.694	61	368498	7.47	ppb		96
21) tert-Butyl Methyl Ethe...	3.677	73	740753	7.36	ppb	#	88
22) 1,1-Dichloroethane	4.089	63	505912	7.54	ppb		99
23) Vinyl Acetate	4.080	43	360142	6.60	ppb	#	99
24) Diisopropyl ether (DIPE)	4.122	45	862759	7.61	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.456	59	891757	7.73	ppb	#	85
26) cis-1,2-Dichloroethylene	4.612	61	457955	7.52	ppb		95
27) 2-Butanone	4.579	72	26570	7.38	ppb	#	95
28) 2,2-Dichloropropane	4.623	77	449979	7.84	ppb	#	65
29) Tetrahydrofuran	4.851	42	55651	6.61	ppb	#	19
30) Bromochloromethane	4.834	49	201374	7.20	ppb	#	77
31) Chloroform	4.926	83	519163	7.71	ppb	#	84
32) 1,1,1-Trichloroethane	5.090	97	471733	8.07	ppb	#	82
33) Cyclohexane	5.191	56	592197m	8.93	ppb		
34) 1,1-Dichloropropylene	5.238	75	408837	8.02	ppb		89
36) Carbon Tetrachloride	5.246	117	398845	8.25	ppb	#	54
37) tert-Amyl alcohol (TAA)	5.399	59	202660	66.99	ppb		93
38) 1,2-Dichloroethane	5.460	62	377440	7.37	ppb		100
39) Benzene	5.419	78	1118811	7.90	ppb	#	93
40) tert-Amyl methyl ether...	5.538	73	821262	7.91	ppb	#	90
42) Trichloroethylene	6.045	95	307175	7.34	ppb		98
43) Methyl Cyclohexane	6.284	83	504504	8.63	ppb		86
44) Methyl Methacrylate	6.317	69	260598m	7.49	ppb		
45) Dibromomethane	6.367	93	164970	7.19	ppb		98
46) Bromodichloromethane	6.537	83	387416	7.02	ppb		96
47) 1,2-Dichloropropane	6.284	63	280495	7.01	ppb	#	96
48) 1,4-Dioxane	6.348	88	25311	96.85	ppb	#	86
49) 2-nitropropane	6.712	43	64446	6.02	ppb	#	100
51) cis-1,3-Dichloropropene	6.960	75	470446	7.02	ppb		87
52) 4-Methyl-2-Pentanone	7.077	43	203067	6.50	ppb	#	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621348.D
Acq On : 20 Nov 2020 8:45 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV6112020A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 10:16:18 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

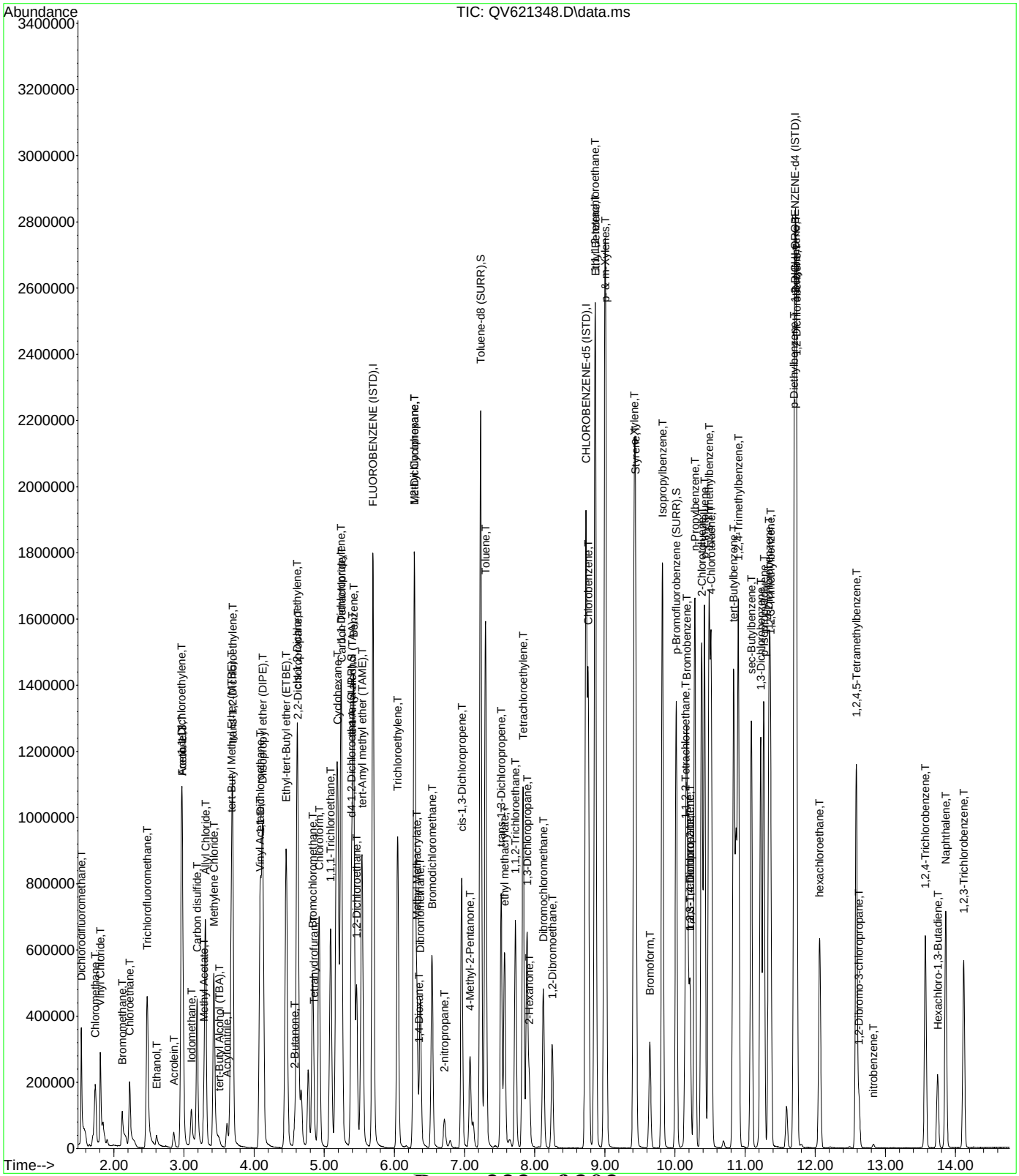
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.300	91	1267146	7.85	ppb		99
55) trans-1,3-Dichloropropene	7.522	75	415074	6.89	ppb		100
56) ethyl methacrylate	7.569	69	323889	6.88	ppb	#	100
57) 1,1,2-Trichloroethane	7.725	97	231182	7.34	ppb		94
58) 1,3-Dichloropropane	7.892	76	395271	7.15	ppb		91
59) Tetrachloroethylene	7.834	166	347395	8.47	ppb	#	100
60) 2-Hexanone	7.923	43	140939	6.55	ppb	#	12
61) Dibromochloromethane	8.123	129	277035	7.35	ppb		98
62) 1,2-Dibromoethane	8.251	107	232210	7.34	ppb		98
63) Chlorobenzene	8.763	112	822689	7.90	ppb		95
64) 1,1,1,2-tetrachloroethane	8.860	131	288655	7.82	ppb		99
65) Ethyl Benzene	8.866	91	1407980	8.25	ppb		100
66) p- & m-Xylenes	9.008	91	2190402	16.91	ppb		98
67) o-Xylene	9.420	91	1104087	8.00	ppb		100
68) Styrene	9.439	104	857690	8.11	ppb		97
69) Bromoform	9.642	173	165252	7.41	ppb	#	79
71) p-Ethyltoluene	10.421	105	1201943m	9.01	ppb		
72) Isopropylbenzene	9.823	105	1386548	8.71	ppb		98
74) 1,1,2,2-Tetrachloroethane	10.151	83	266987	7.41	ppb	#	100
75) Bromobenzene	10.168	77	535961	6.93	ppb		90
76) trans-1,4-Dichloro-2-b...	10.213	75	329894	7.03	ppb	#	55
77) 1,2,3-Trichloropropane	10.213	110	82474	7.70	ppb	#	1
78) n-Propylbenzene	10.285	91	1521658	8.68	ppb		100
79) 2-Chlorotoluene	10.382	91	1042691	8.34	ppb		100
80) 4-Chlorotoluene	10.516	91	1056806	8.05	ppb		97
81) 1,3,5-Trimethylbenzene	10.485	105	1032439	8.53	ppb	#	66
82) tert-Butylbenzene	10.836	119	1038654	8.50	ppb		93
83) 1,2,4-Trimethylbenzene	10.905	105	1014448	8.36	ppb		99
84) sec-Butylbenzene	11.089	105	1077656	8.87	ppb		99
85) 1,3-Dichlorobenzene	11.223	146	583962	8.36	ppb		98
86) p-Isopropyltoluene	11.267	119	947339	8.77	ppb		98
87) 1,4-Dichlorobenzene	11.339	146	589593	8.31	ppb		97
88) 1,2,3-Trimethylbenzene	11.362	105	753110	8.00	ppb		100
89) p-Diethylbenzene	11.698	105	440056	8.65	ppb	#	99
90) 1,2-Dichlorobenzene	11.734	146	533249	8.37	ppb	#	73
91) n-Butylbenzene	11.726	91	757767m	8.29	ppb		
92) hexachloroethane	12.060	117	151130	7.63	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.622	75	48497	6.92	ppb		88
94) 1,2,4,5-Tetramethylben...	12.586	119	760189	8.38	ppb		99
95) nitrobenzene	12.828	77	5174	5.49	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.568	180	239824	8.10	ppb		98
97) Hexachloro-1,3-Butadiene	13.749	225	52453	8.54	ppb		99
98) Naphthalene	13.860	128	631964	7.38	ppb		99
99) 1,2,3-Trichlorobenzene	14.119	180	202639	7.93	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621348.D
Acq On : 20 Nov 2020 8:45 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL4
Misc : QBQV6112020A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 23 10:16:18 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621349.D
Acq On : 20 Nov 2020 9:11 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV6112020A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 10:14:29 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.694	70	328970	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.730	117	1161530	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.712	152	419749	10.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.388	65	409005	9.29	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 92.90%				
53) Toluene-d8 (SURR)	7.230	98	1659438	10.19	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 101.90%				
73) p-Bromofluorobenzene (...	10.018	95	515955	9.53	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 95.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.535	85	563895	18.97	ppb	#	1
3) Chloromethane	1.735	50	487637	12.03	ppb	#	43
4) Vinyl Chloride	1.807	62	570478	16.54	ppb	#	47
5) Bromomethane	2.119	94	212225m	9.65	ppb		
6) Chloroethane	2.225	64	382050	16.06	ppb		89
7) Trichlorofluoromethane	2.472	101	857764	17.34	ppb		98
8) Ethanol	2.609	45	106657	531.51	ppb	#	1
9) Freon-113	2.976	101	503238	16.81	ppb	#	69
10) 1,1-Dichloroethylene	2.965	61	786821	15.73	ppb		91
11) Acrolein	2.854	56	54040	11.89	ppb	#	83
12) Acetone	2.976	43	106322	13.78	ppb	#	95
13) Iodomethane	3.107	142	399313	11.88	ppb		98
14) Allyl Chloride	3.304	76	318101	15.49	ppb	#	100
15) Methyl Acetate	3.282	43	259878m	13.60	ppb		
16) Carbon disulfide	3.185	76	1255114	15.12	ppb		100
17) tert-Butyl Alcohol (TBA)	3.499	59	52125	13.02	ppb	#	1
18) Methylene Chloride	3.424	49	634175	14.55	ppb	#	72
19) Acrylonitrile	3.613	53	116215	14.12	ppb	#	68
20) trans-1,2-Dichloroethy...	3.694	61	756068	15.20	ppb		96
21) tert-Butyl Methyl Ethe...	3.674	73	1521263	15.00	ppb	#	97
22) 1,1-Dichloroethane	4.089	63	1042963	15.43	ppb		99
23) Vinyl Acetate	4.080	43	767685	13.95	ppb	#	100
24) Diisopropyl ether (DIPE)	4.119	45	1723803	15.09	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.456	59	1792563	15.42	ppb	#	96
26) cis-1,2-Dichloroethylene	4.612	61	941003	15.32	ppb		95
27) 2-Butanone	4.581	72	54426	15.00	ppb	#	95
28) 2,2-Dichloropropane	4.623	77	922928	15.95	ppb	#	81
29) Tetrahydrofuran	4.846	42	115346	13.60	ppb	#	19
30) Bromochloromethane	4.832	49	413259	14.66	ppb	#	78
31) Chloroform	4.926	83	1067086	15.73	ppb	#	95
32) 1,1,1-Trichloroethane	5.090	97	974829	16.53	ppb	#	82
33) Cyclohexane	5.188	56	1039321m	15.55	ppb		
34) 1,1-Dichloropropylene	5.238	75	836000	16.26	ppb		91
36) Carbon Tetrachloride	5.243	117	833257	17.09	ppb	#	55
37) tert-Amyl alcohol (TAA)	5.399	59	419325	137.49	ppb	#	78
38) 1,2-Dichloroethane	5.460	62	771841	14.95	ppb		99
39) Benzene	5.419	78	2296600	16.08	ppb		96
40) tert-Amyl methyl ether...	5.538	73	1665538	15.91	ppb	#	100
42) Trichloroethylene	6.045	95	633307	14.96	ppb		98
43) Methyl Cyclohexane	6.284	83	976495	16.50	ppb		83
44) Methyl Methacrylate	6.317	69	529600m	15.05	ppb		
45) Dibromomethane	6.367	93	340163	14.65	ppb		98
46) Bromodichloromethane	6.534	83	813408	14.56	ppb		95
47) 1,2-Dichloropropane	6.284	63	581479	14.37	ppb	#	96
48) 1,4-Dioxane	6.348	88	49508	187.23	ppb	#	86
49) 2-nitropropane	6.710	43	143391	13.25	ppb	#	100
51) cis-1,3-Dichloropropene	6.957	75	977536m	14.42	ppb		
52) 4-Methyl-2-Pentanone	7.080	43	415585	13.15	ppb	#	84

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621349.D
Acq On : 20 Nov 2020 9:11 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV6112020A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 10:14:29 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

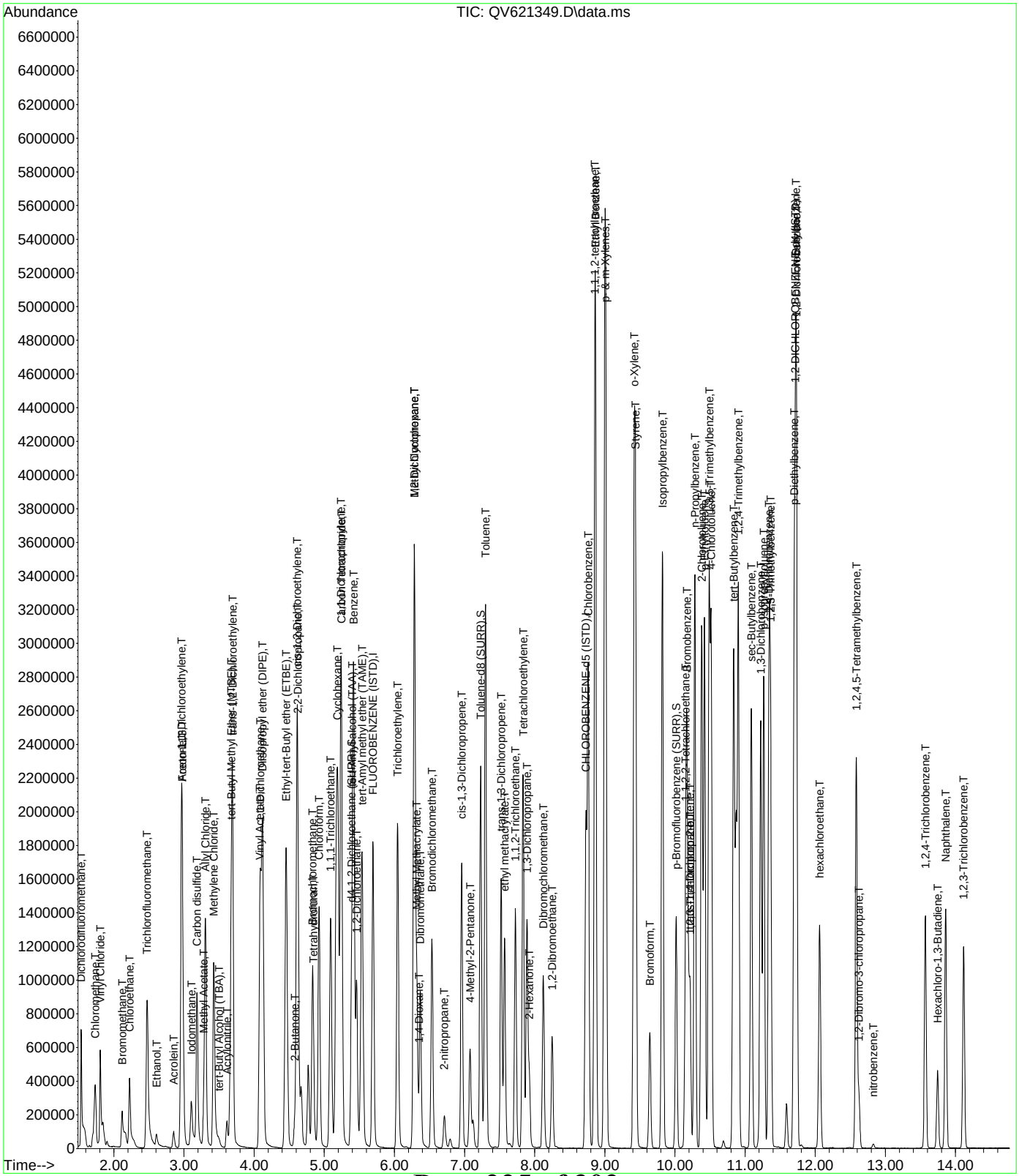
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.300	91	2579864	15.79	ppb		99
55) trans-1,3-Dichloropropene	7.522	75	871314	14.30	ppb		100
56) ethyl methacrylate	7.569	69	676746	14.22	ppb	#	100
57) 1,1,2-Trichloroethane	7.725	97	474506	14.90	ppb		94
58) 1,3-Dichloropropane	7.889	76	812243	14.51	ppb	#	62
59) Tetrachloroethylene	7.837	166	707789	17.06	ppb	#	100
60) 2-Hexanone	7.923	43	298546	13.70	ppb	#	14
61) Dibromochloromethane	8.123	129	591121	15.51	ppb		98
62) 1,2-Dibromoethane	8.248	107	485484	15.17	ppb		99
63) Chlorobenzene	8.763	112	1676842	15.90	ppb		94
64) 1,1,1,2-tetrachloroethane	8.858	131	600991	16.09	ppb		98
65) Ethyl Benzene	8.866	91	2867708	16.61	ppb		100
66) p- & m-Xylenes	9.008	91	4457440	34.01	ppb		98
67) o-Xylene	9.420	91	2259941	16.18	ppb		100
68) Styrene	9.439	104	1763021	16.49	ppb		97
69) Bromoform	9.642	173	354716	15.73	ppb		99
71) p-Ethyltoluene	10.421	105	2286406	16.82	ppb	#	82
72) Isopropylbenzene	9.823	105	2803800	17.29	ppb		98
74) 1,1,2,2-Tetrachloroethane	10.151	83	550354	14.99	ppb	#	69
75) Bromobenzene	10.171	77	1103840	14.01	ppb		90
76) trans-1,4-Dichloro-2-b...	10.213	75	688127	14.38	ppb	#	55
77) 1,2,3-Trichloropropane	10.215	110	167523	15.34	ppb	#	1
78) n-Propylbenzene	10.285	91	3057537	17.12	ppb		99
79) 2-Chlorotoluene	10.382	91	1911655	14.99	ppb		99
80) 4-Chlorotoluene	10.516	91	2153293	16.10	ppb		97
81) 1,3,5-Trimethylbenzene	10.488	105	2077312	16.84	ppb	#	65
82) tert-Butylbenzene	10.839	119	2101808	16.87	ppb		93
83) 1,2,4-Trimethylbenzene	10.903	105	2058335	16.65	ppb		99
84) sec-Butylbenzene	11.089	105	2150977	17.37	ppb		99
85) 1,3-Dichlorobenzene	11.223	146	1184668	16.64	ppb		98
86) p-Isopropyltoluene	11.264	119	1907382	17.32	ppb		98
87) 1,4-Dichlorobenzene	11.339	146	1196787	16.56	ppb		97
88) 1,2,3-Trimethylbenzene	11.362	105	1570143	16.37	ppb		100
89) p-Diethylbenzene	11.701	105	860907	16.60	ppb	#	98
90) 1,2-Dichlorobenzene	11.732	146	1078199	16.61	ppb		99
91) n-Butylbenzene	11.726	91	1627034m	17.46	ppb		
92) hexachloroethane	12.063	117	318730	15.78	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.622	75	102033	14.27	ppb		87
94) 1,2,4,5-Tetramethylben...	12.586	119	1482296	16.03	ppb		99
95) nitrobenzene	12.828	77	11872	11.73	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.571	180	498677	16.53	ppb		98
97) Hexachloro-1,3-Butadiene	13.746	225	107576	17.18	ppb		99
98) Naphthalene	13.860	128	1328816	15.22	ppb		99
99) 1,2,3-Trichlorobenzene	14.116	180	423971	16.27	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621349.D
Acq On : 20 Nov 2020 9:11 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL5
Misc : QBQV6112020A
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 23 10:14:29 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621350.D
Acq On : 20 Nov 2020 9:37 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV6112020A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 23 10:12:45 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.694	70	336016	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.730	117	1157079	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.712	152	408939	10.00	ppb	#	0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.388	65	410002	9.12	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 91.20%				
53) Toluene-d8 (SURR)	7.230	98	1672470	10.31	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 103.10%				
73) p-Bromofluorobenzene (...	10.018	95	501499	9.50	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 95.00%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.535	85	987684m	32.53	ppb		
3) Chloromethane	1.741	50	871451	21.05	ppb	#	42
4) Vinyl Chloride	1.807	62	1010567	28.69	ppb	#	47
5) Bromomethane	2.119	94	460958m	20.53	ppb		
6) Chloroethane	2.225	64	684226	28.16	ppb		89
7) Trichlorofluoromethane	2.475	101	1502450	29.74	ppb		98
8) Ethanol	2.606	45	200489	978.15	ppb	#	1
9) Freon-113	2.976	101	883941	28.91	ppb		99
10) 1,1-Dichloroethylene	2.965	61	1383811	27.08	ppb		90
11) Acrolein	2.856	56	96182	20.71	ppb	#	68
12) Acetone	2.979	43	183877	23.31	ppb	#	95
13) Iodomethane	3.104	142	807931	23.53	ppb		98
14) Allyl Chloride	3.307	76	578927	27.60	ppb	#	100
15) Methyl Acetate	3.285	43	467916m	23.97	ppb		
16) Carbon disulfide	3.187	76	2192631	25.87	ppb		100
17) tert-Butyl Alcohol (TBA)	3.496	59	98762	24.10	ppb	#	1
18) Methylene Chloride	3.427	49	1115050	25.05	ppb	#	71
19) Acrylonitrile	3.610	53	204204	24.28	ppb	#	42
20) trans-1,2-Dichloroethy...	3.694	61	1344279	26.46	ppb		95
21) tert-Butyl Methyl Ethe...	3.677	73	2728054	26.33	ppb	#	88
22) 1,1-Dichloroethane	4.089	63	1864047	27.00	ppb		99
23) Vinyl Acetate	4.081	43	1277165	22.72	ppb	#	99
24) Diisopropyl ether (DIPE)	4.122	45	3090140	26.48	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.456	59	3177452	26.76	ppb	#	96
26) cis-1,2-Dichloroethylene	4.612	61	1678663	26.76	ppb		94
27) 2-Butanone	4.579	72	96153	25.94	ppb	#	95
28) 2,2-Dichloropropane	4.623	77	1638560	27.73	ppb	#	81
29) Tetrahydrofuran	4.848	42	202721	23.40	ppb	#	18
30) Bromochloromethane	4.832	49	722177	25.08	ppb	#	77
31) Chloroform	4.926	83	1905996	27.50	ppb	#	84
32) 1,1,1-Trichloroethane	5.091	97	1730434	28.73	ppb	#	82
33) Cyclohexane	5.188	56	1763151m	25.82	ppb		
34) 1,1-Dichloropropylene	5.241	75	1478945	28.16	ppb		91
36) Carbon Tetrachloride	5.246	117	1493070	29.98	ppb	#	55
37) tert-Amyl alcohol (TAA)	5.402	59	738226	236.98	ppb	#	77
38) 1,2-Dichloroethane	5.461	62	1369483	25.98	ppb		99
39) Benzene	5.419	78	4077084	27.95	ppb		98
40) tert-Amyl methyl ether...	5.538	73	2932324	27.43	ppb	#	100
42) Trichloroethylene	6.045	95	1131843	26.84	ppb		98
43) Methyl Cyclohexane	6.287	83	1681285	28.52	ppb		85
44) Methyl Methacrylate	6.320	69	934221m	26.65	ppb		
45) Dibromomethane	6.370	93	601979	26.03	ppb		98
46) Bromodichloromethane	6.535	83	1468924	26.39	ppb		95
47) 1,2-Dichloropropane	6.284	63	1032783	25.61	ppb	#	96
48) 1,4-Dioxane	6.351	88	90956	345.30	ppb	#	86
49) 2-nitropropane	6.710	43	262254	24.32	ppb	#	100
51) cis-1,3-Dichloropropene	6.960	75	1758241	26.04	ppb		86
52) 4-Methyl-2-Pentanone	7.077	43	736738	23.40	ppb	#	84

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621350.D
Acq On : 20 Nov 2020 9:37 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV6112020A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 23 10:12:45 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

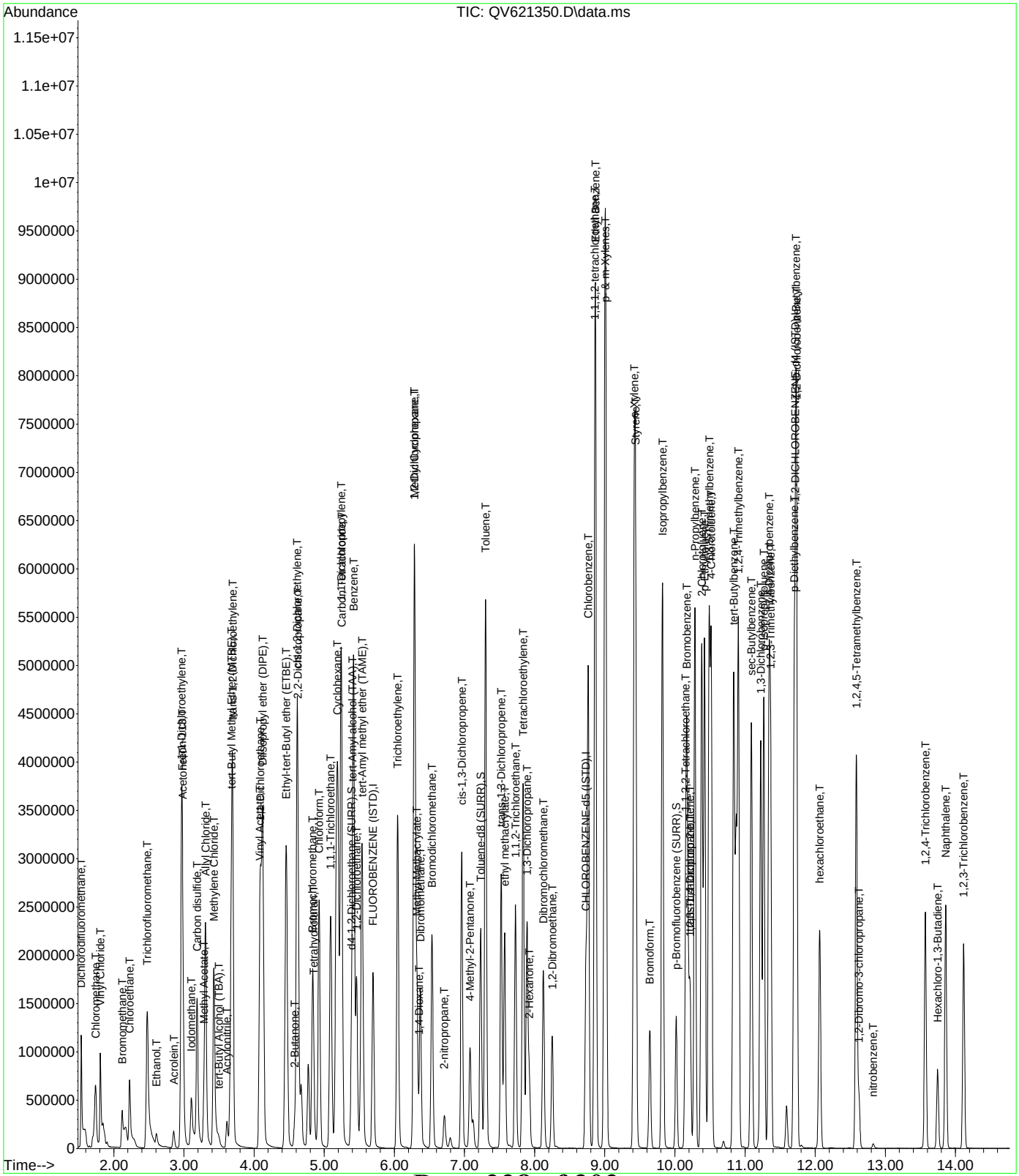
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.300	91	4514577	27.74	ppb		99
55) trans-1,3-Dichloropropene	7.522	75	1561109	25.71	ppb		100
56) ethyl methacrylate	7.572	69	1207123	25.46	ppb	#	100
57) 1,1,2-Trichloroethane	7.728	97	839884	26.47	ppb		94
58) 1,3-Dichloropropane	7.889	76	1427290	25.60	ppb	#	62
59) Tetrachloroethylene	7.834	166	1222411	29.59	ppb	#	77
60) 2-Hexanone	7.923	43	517774	23.86	ppb	#	12
61) Dibromochloromethane	8.123	129	1053110	27.73	ppb		98
62) 1,2-Dibromoethane	8.251	107	850741	26.68	ppb		99
63) Chlorobenzene	8.763	112	2924731	27.85	ppb	#	93
64) 1,1,1,2-tetrachloroethane	8.858	131	1059566	28.48	ppb		99
65) Ethyl Benzene	8.866	91	4908684	28.55	ppb		100
66) p- & m-Xylenes	9.008	91	7550002	57.83	ppb		98
67) o-Xylene	9.420	91	3868203	27.80	ppb		100
68) Styrene	9.439	104	3016846	28.32	ppb		96
69) Bromoform	9.639	173	627447	27.92	ppb		99
71) p-Ethyltoluene	10.421	105	3867166	29.20	ppb	#	82
72) Isopropylbenzene	9.823	105	4658935	29.48	ppb		97
74) 1,1,2,2-Tetrachloroethane	10.151	83	938489	26.23	ppb	#	69
75) Bromobenzene	10.168	77	2078070	27.07	ppb		84
76) trans-1,4-Dichloro-2-b...	10.213	75	1181473	25.34	ppb	#	55
77) 1,2,3-Trichloropropane	10.215	110	285453	26.83	ppb	#	1
78) n-Propylbenzene	10.285	91	5067017	29.11	ppb		99
79) 2-Chlorotoluene	10.382	91	3562097	28.68	ppb		100
80) 4-Chlorotoluene	10.516	91	3626488	27.82	ppb		97
81) 1,3,5-Trimethylbenzene	10.488	105	3477848	28.93	ppb	#	64
82) tert-Butylbenzene	10.839	119	3499085	28.82	ppb		93
83) 1,2,4-Trimethylbenzene	10.905	105	3445355	28.61	ppb		99
84) sec-Butylbenzene	11.089	105	3601990	29.86	ppb		99
85) 1,3-Dichlorobenzene	11.223	146	2001350	28.86	ppb		97
86) p-Isopropyltoluene	11.267	119	3200399	29.82	ppb		97
87) 1,4-Dichlorobenzene	11.342	146	2018679	28.67	ppb		97
88) 1,2,3-Trimethylbenzene	11.364	105	2589492	27.72	ppb		100
89) p-Diethylbenzene	11.701	105	1498896	29.66	ppb	#	97
90) 1,2-Dichlorobenzene	11.735	146	1819754	28.78	ppb	#	87
91) n-Butylbenzene	11.726	91	2603434m	28.68	ppb		
92) hexachloroethane	12.063	117	560345	28.47	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.622	75	178185	25.59	ppb		87
94) 1,2,4,5-Tetramethylben...	12.586	119	2609092	28.96	ppb		99
95) nitrobenzene	12.825	77	22602	21.24	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.571	180	875765	29.80	ppb		98
97) Hexachloro-1,3-Butadiene	13.746	225	192012	31.48	ppb		99
98) Naphthalene	13.860	128	2268293	26.66	ppb		99
99) 1,2,3-Trichlorobenzene	14.116	180	750476	29.56	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621350.D
Acq On : 20 Nov 2020 9:37 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL6
Misc : QBQV6112020A
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 23 10:12:45 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621351.D
Acq On : 20 Nov 2020 10:04 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV6112020A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 23 10:09:28 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.697	70	349657	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.732	117	1156767	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.709	152	395018	10.00	ppb	#	0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.391	65	424161	9.07	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 90.70%				
53) Toluene-d8 (SURR)	7.230	98	1702357	10.50	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 105.00%				
73) p-Bromofluorobenzene (...	10.018	95	491470	9.64	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 96.40%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.535	85	2213097m	70.05	ppb		
3) Chloromethane	1.738	50	1948037	45.21	ppb	#	41
4) Vinyl Chloride	1.807	62	2240081	61.11	ppb	#	51
5) Bromomethane	2.119	94	1211126m	51.83	ppb		
6) Chloroethane	2.225	64	1512039	59.81	ppb		89
7) Trichlorofluoromethane	2.475	101	3322322	63.19	ppb		98
8) Ethanol	2.609	45	471443	2210.36	ppb	#	1
9) Freon-113	2.976	101	1933679	60.78	ppb		98
10) 1,1-Dichloroethylene	2.965	61	3060751	57.56	ppb		91
11) Acrolein	2.853	56	230879	47.78	ppb	#	83
12) Acetone	2.976	43	437374	53.11	ppb	#	95
13) Iodomethane	3.107	142	1825406	51.09	ppb		99
14) Allyl Chloride	3.307	76	1258886	57.68	ppb	#	100
15) Methyl Acetate	3.285	43	1088214m	53.57	ppb		
16) Carbon disulfide	3.187	76	4848419	54.97	ppb		100
17) tert-Butyl Alcohol (TBA)	3.499	59	238020	55.48	ppb	#	1
18) Methylene Chloride	3.427	49	2500752	53.98	ppb	#	72
19) Acrylonitrile	3.613	53	481165	54.99	ppb	#	45
20) trans-1,2-Dichloroethy...	3.694	61	3015191	57.04	ppb		96
21) tert-Butyl Methyl Ethe...	3.677	73	6180178	57.32	ppb	#	88
22) 1,1-Dichloroethane	4.091	63	4081534	56.80	ppb		98
23) Vinyl Acetate	4.080	43	3071189	52.51	ppb	#	99
24) Diisopropyl ether (DIPE)	4.122	45	6910265	56.91	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.459	59	7065454	57.17	ppb	#	85
26) cis-1,2-Dichloroethylene	4.615	61	3725843	57.07	ppb		95
27) 2-Butanone	4.578	72	220071	57.06	ppb	#	95
28) 2,2-Dichloropropane	4.623	77	3589244	58.37	ppb	#	65
29) Tetrahydrofuran	4.845	42	480770	53.32	ppb	#	18
30) Bromochloromethane	4.834	49	1608504	53.69	ppb	#	78
31) Chloroform	4.926	83	4258834	59.06	ppb	#	84
32) 1,1,1-Trichloroethane	5.093	97	3877705	61.87	ppb		97
33) Cyclohexane	5.190	56	4151529m	58.43	ppb		
34) 1,1-Dichloropropylene	5.241	75	3251231	59.50	ppb		91
36) Carbon Tetrachloride	5.246	117	3296167	63.61	ppb	#	55
37) tert-Amyl alcohol (TAA)	5.402	59	1750027	539.86	ppb	#	77
38) 1,2-Dichloroethane	5.463	62	3103324	56.57	ppb	#	87
39) Benzene	5.419	78	8838384	58.23	ppb		99
40) tert-Amyl methyl ether...	5.538	73	6541229	58.79	ppb	#	100
42) Trichloroethylene	6.045	95	2513088	59.62	ppb		96
43) Methyl Cyclohexane	6.287	83	3649365	61.92	ppb		84
44) Methyl Methacrylate	6.320	69	2139567	61.06	ppb	#	26
45) Dibromomethane	6.370	93	1366362	59.10	ppb		98
46) Bromodichloromethane	6.537	83	3312755	59.54	ppb		95
47) 1,2-Dichloropropane	6.287	63	2284321	56.67	ppb	#	96
48) 1,4-Dioxane	6.353	88	198677	754.45	ppb	#	83
49) 2-nitropropane	6.715	43	636870	59.07	ppb	#	100
51) cis-1,3-Dichloropropene	6.960	75	3910312	57.93	ppb		87
52) 4-Methyl-2-Pentanone	7.080	43	1735831	55.14	ppb	#	86

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621351.D
Acq On : 20 Nov 2020 10:04 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV6112020A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 23 10:09:28 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

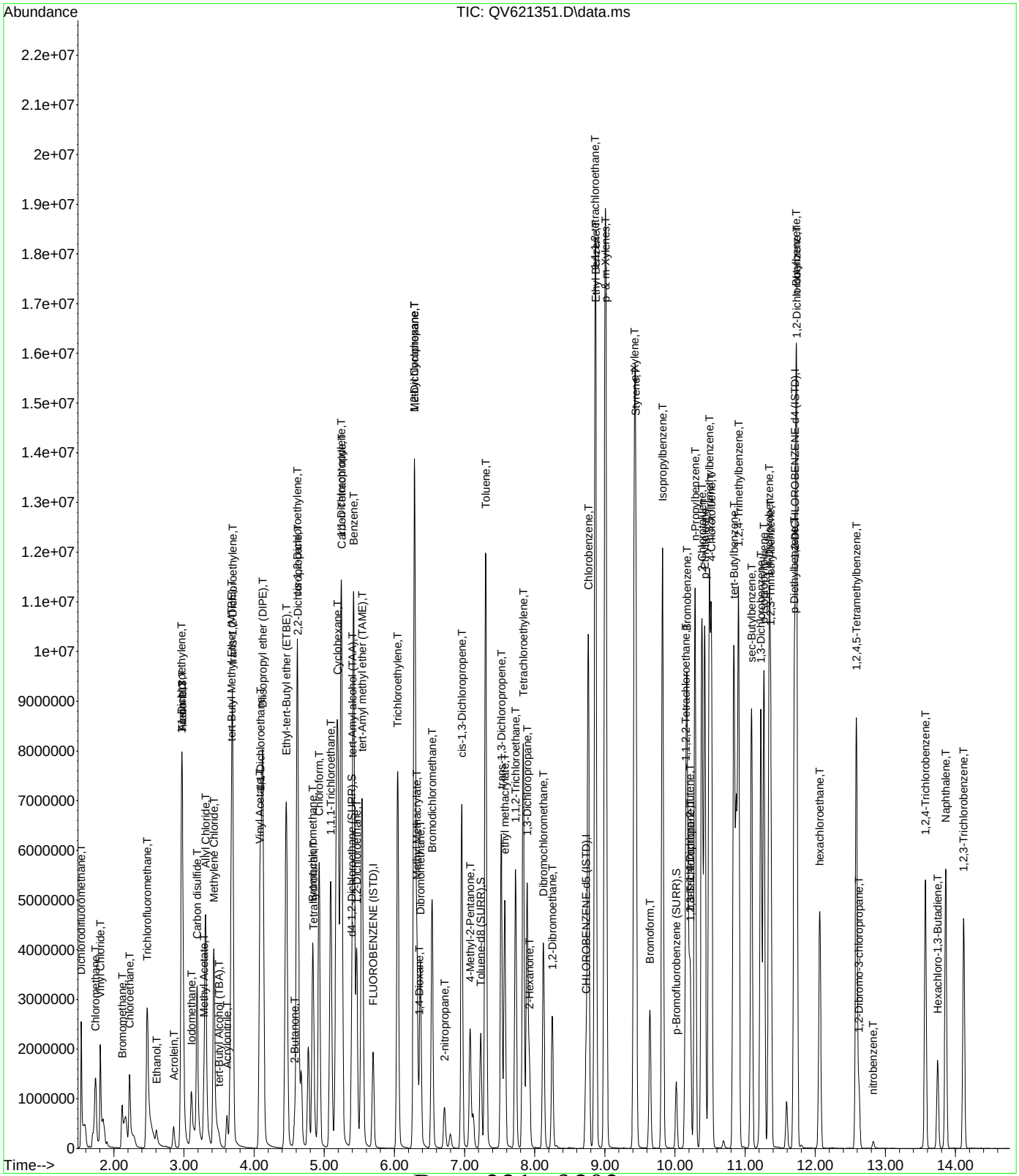
Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
54) Toluene	7.302	91	9495897	58.37 ppb		98
55) trans-1,3-Dichloropropene	7.525	75	3489409	57.48 ppb	#	92
56) ethyl methacrylate	7.572	69	2722284	57.42 ppb	#	100
57) 1,1,2-Trichloroethane	7.728	97	1872424	59.03 ppb		95
58) 1,3-Dichloropropane	7.892	76	3156158	56.62 ppb	#	61
59) Tetrachloroethylene	7.836	166	2609430	63.17 ppb	#	100
60) 2-Hexanone	7.925	43	1188974	54.80 ppb	#	14
61) Dibromochloromethane	8.123	129	2368700	62.39 ppb		98
62) 1,2-Dibromoethane	8.251	107	1890671	59.30 ppb		99
63) Chlorobenzene	8.766	112	6107195	58.16 ppb	#	92
64) 1,1,1,2-tetrachloroethane	8.860	131	2217368	59.62 ppb		99
65) Ethyl Benzene	8.869	91	9825107	57.16 ppb		99
66) p- & m-Xylenes	9.010	91	14863090	113.87 ppb		99
67) o-Xylene	9.422	91	7840519	56.36 ppb		100
68) Styrene	9.442	104	6142045	57.67 ppb		96
69) Bromoform	9.642	173	1399691	62.31 ppb	#	82
71) p-Ethyltoluene	10.424	105	7841280	61.29 ppb	#	82
72) Isopropylbenzene	9.823	105	9263910	60.69 ppb		96
74) 1,1,2,2-Tetrachloroethane	10.154	83	2039391	59.01 ppb	#	69
75) Bromobenzene	10.171	77	4020664	54.21 ppb		89
76) trans-1,4-Dichloro-2-b...	10.212	75	2618170	58.14 ppb	#	55
77) 1,2,3-Trichloropropane	10.218	110	623302	60.64 ppb	#	1
78) n-Propylbenzene	10.288	91	10125670	60.23 ppb		97
79) 2-Chlorotoluene	10.385	91	6675972	55.64 ppb		99
80) 4-Chlorotoluene	10.518	91	7457516	59.23 ppb		97
81) 1,3,5-Trimethylbenzene	10.488	105	7035567	60.59 ppb	#	64
82) tert-Butylbenzene	10.841	119	7196756	61.37 ppb		94
83) 1,2,4-Trimethylbenzene	10.908	105	7040011	60.51 ppb		98
84) sec-Butylbenzene	11.092	105	7376767	63.30 ppb		97
85) 1,3-Dichlorobenzene	11.225	146	4135674	61.74 ppb		97
86) p-Isopropyltoluene	11.267	119	6572950	63.40 ppb		96
87) 1,4-Dichlorobenzene	11.342	146	4158240	61.13 ppb		96
88) 1,2,3-Trimethylbenzene	11.364	105	5349237	59.27 ppb		99
89) p-Diethylbenzene	11.701	105	3181474	65.18 ppb	#	97
90) 1,2-Dichlorobenzene	11.734	146	3729830	61.06 ppb	#	88
91) n-Butylbenzene	11.729	91	5620327m	64.09 ppb		
92) hexachloroethane	12.063	117	1227543	64.57 ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.622	75	403365	59.96 ppb		87
94) 1,2,4,5-Tetramethylben...	12.586	119	5561444	63.91 ppb		99
95) nitrobenzene	12.825	77	69252	53.86 ppb	#	100
96) 1,2,4-Trichlorobenzene	13.573	180	1919138	67.60 ppb		97
97) Hexachloro-1,3-Butadiene	13.746	225	414600	70.37 ppb		99
98) Naphthalene	13.860	128	4986099	60.68 ppb		100
99) 1,2,3-Trichlorobenzene	14.116	180	1658780	67.63 ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621351.D
Acq On : 20 Nov 2020 10:04 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL7
Misc : QBQV6112020A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 23 10:09:28 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621352.D
Acq On : 20 Nov 2020 10:30 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV6112020A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 23 10:07:56 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.697	70	356650	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.732	117	1135817	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.712	152	380212	10.00	ppb	#	0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.391	65	427806	8.97	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 89.70%				
53) Toluene-d8 (SURR)	7.230	98	1700582	10.68	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 106.80%				
73) p-Bromofluorobenzene (...	10.018	95	488490	9.96	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 99.60%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.535	85	3294767m	102.24	ppb		
3) Chloromethane	1.735	50	3084489m	70.19	ppb		
4) Vinyl Chloride	1.807	62	3447531	92.20	ppb	#	47
5) Bromomethane	2.116	94	2020916m	84.79	ppb		
6) Chloroethane	2.222	64	2280865	88.45	ppb		92
7) Trichlorofluoromethane	2.475	101	5008736	93.40	ppb		98
8) Ethanol	2.609	45	737810	3391.39	ppb	#	1
9) Freon-113	2.976	101	2966982	91.43	ppb		98
10) 1,1-Dichloroethylene	2.965	61	4601072	84.83	ppb		90
11) Acrolein	2.854	56	350585	71.13	ppb	#	83
12) Acetone	2.976	43	661611	78.54	ppb	#	95
13) Iodomethane	3.107	142	2653611	72.81	ppb		99
14) Allyl Chloride	3.307	76	1872911	84.14	ppb	#	100
15) Methyl Acetate	3.282	43	1636990m	79.00	ppb		
16) Carbon disulfide	3.187	76	7333164	81.51	ppb		100
17) tert-Butyl Alcohol (TBA)	3.502	59	364847	82.94	ppb	#	1
18) Methylene Chloride	3.424	49	3795568	80.32	ppb	#	72
19) Acrylonitrile	3.613	53	733416	82.17	ppb	#	45
20) trans-1,2-Dichloroethy...	3.694	61	4539226	84.18	ppb		96
21) tert-Butyl Methyl Ethe...	3.677	73	9128518	83.01	ppb	#	88
22) 1,1-Dichloroethane	4.092	63	6027464	82.24	ppb		98
23) Vinyl Acetate	4.081	43	4608250	77.24	ppb	#	100
24) Diisopropyl ether (DIPE)	4.122	45	10353349	83.60	ppb	#	95
25) Ethyl-tert-Butyl ether...	4.459	59	10574036	83.89	ppb	#	85
26) cis-1,2-Dichloroethylene	4.615	61	5546001	83.28	ppb	#	85
27) 2-Butanone	4.581	72	329763	83.82	ppb	#	95
28) 2,2-Dichloropropane	4.623	77	5372330	85.66	ppb	#	65
29) Tetrahydrofuran	4.848	42	715972	77.85	ppb	#	18
30) Bromochloromethane	4.835	49	2420774	79.22	ppb	#	78
31) Chloroform	4.926	83	6382917	86.78	ppb	#	84
32) 1,1,1-Trichloroethane	5.093	97	5910636	92.46	ppb	#	82
33) Cyclohexane	5.188	56	5560094m	76.72	ppb		
34) 1,1-Dichloropropylene	5.241	75	4880097	87.55	ppb		91
36) Carbon Tetrachloride	5.249	117	5004402	94.68	ppb	#	55
37) tert-Amyl alcohol (TAA)	5.405	59	2622379	793.10	ppb	#	78
38) 1,2-Dichloroethane	5.463	62	4670597	83.46	ppb		99
39) Benzene	5.419	78	12867204	83.11	ppb		98
40) tert-Amyl methyl ether...	5.538	73	9700200	85.47	ppb	#	99
42) Trichloroethylene	6.048	95	3844861	92.90	ppb		95
43) Methyl Cyclohexane	6.287	83	5600000	96.78	ppb		85
44) Methyl Methacrylate	6.323	69	3246746	94.36	ppb	#	26
45) Dibromomethane	6.370	93	2033832	89.59	ppb		98
46) Bromodichloromethane	6.537	83	4986415	91.27	ppb		95
47) 1,2-Dichloropropane	6.287	63	3393806	85.75	ppb	#	95
48) 1,4-Dioxane	6.359	88	301841	1167.34	ppb	#	81
49) 2-nitropropane	6.715	43	963414	91.01	ppb	#	100
51) cis-1,3-Dichloropropene	6.960	75	5807976	87.63	ppb		87
52) 4-Methyl-2-Pentanone	7.083	43	2566790	83.04	ppb	#	85

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621352.D
Acq On : 20 Nov 2020 10:30 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV6112020A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 23 10:07:56 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

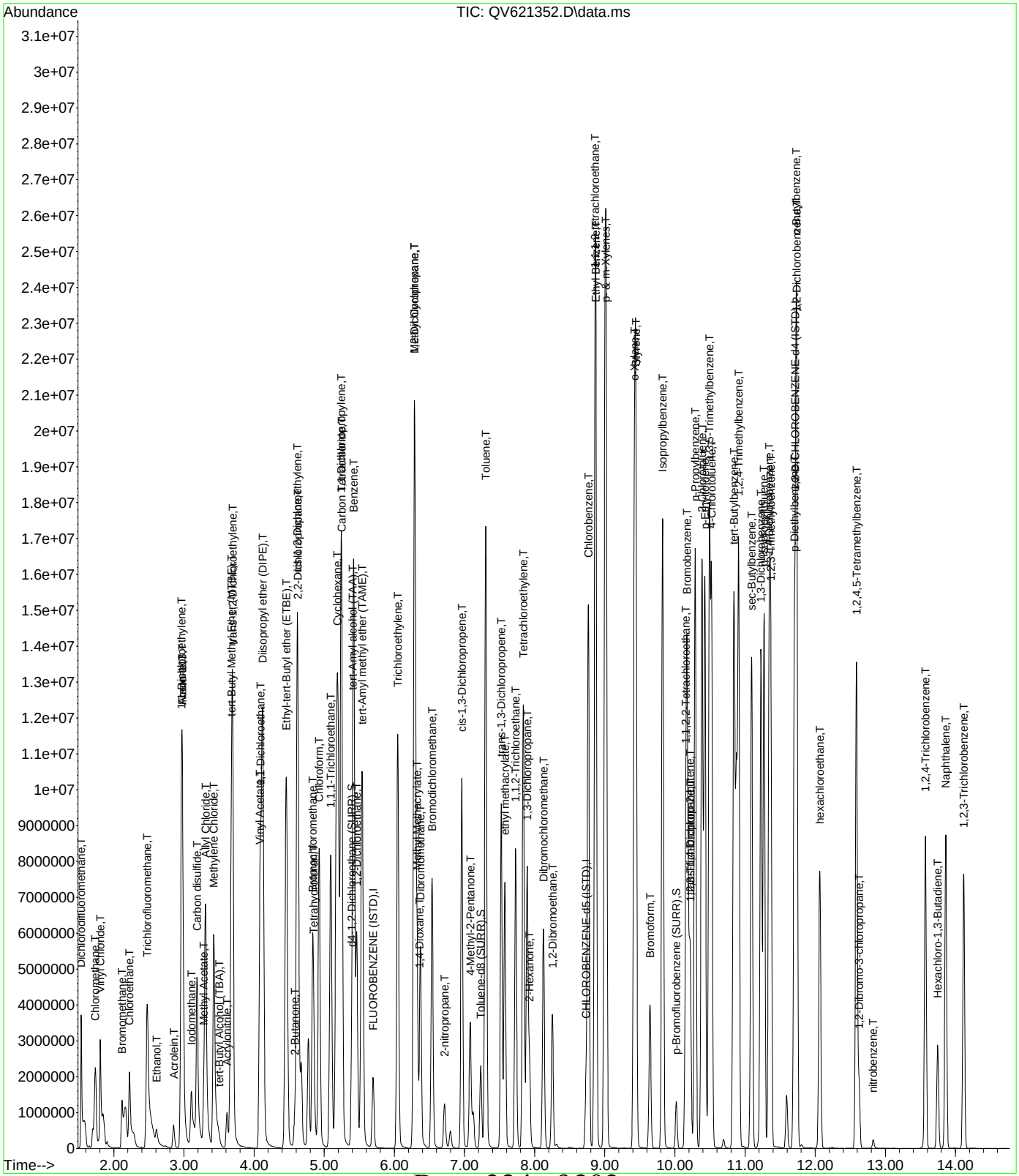
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.302	91	13657485	85.49	ppb		98
55) trans-1,3-Dichloropropene	7.522	75	5152071	86.44	ppb		99
56) ethyl methacrylate	7.575	69	4029497	86.57	ppb	#	100
57) 1,1,2-Trichloroethane	7.728	97	2766359	88.82	ppb		95
58) 1,3-Dichloropropane	7.892	76	4618772	84.38	ppb	#	61
59) Tetrachloroethylene	7.839	166	3940801	97.16	ppb	#	77
60) 2-Hexanone	7.926	43	1752070	82.25	ppb	#	13
61) Dibromochloromethane	8.126	129	3485113	93.49	ppb		98
62) 1,2-Dibromoethane	8.254	107	2757157	88.08	ppb		98
63) Chlorobenzene	8.766	112	8837863	85.72	ppb		91
64) 1,1,1,2-tetrachloroethane	8.860	131	3169904	86.81	ppb		99
65) Ethyl Benzene	8.869	91	13988754	82.88	ppb		97
66) p- & m-Xylenes	9.013	91	20747428	161.89	ppb		99
67) o-Xylene	9.422	91	11485586	84.09	ppb		100
68) Styrene	9.445	104	8787148	84.03	ppb		94
69) Bromoform	9.645	173	2074172	94.03	ppb	#	80
71) p-Ethyltoluene	10.427	105	11774326	95.62	ppb	#	83
72) Isopropylbenzene	9.823	105	13579829	92.43	ppb		94
74) 1,1,2,2-Tetrachloroethane	10.154	83	2964782	89.12	ppb	#	69
75) Bromobenzene	10.171	77	5993311	83.96	ppb		89
76) trans-1,4-Dichloro-2-b...	10.215	75	3883863	89.61	ppb	#	55
77) 1,2,3-Trichloropropane	10.218	110	913883	92.37	ppb	#	1
78) n-Propylbenzene	10.288	91	14875075	91.93	ppb		95
79) 2-Chlorotoluene	10.385	91	11132026	96.39	ppb		100
80) 4-Chlorotoluene	10.521	91	11234262	92.71	ppb		97
81) 1,3,5-Trimethylbenzene	10.491	105	10500448	93.95	ppb	#	63
82) tert-Butylbenzene	10.841	119	11035402	97.76	ppb		95
83) 1,2,4-Trimethylbenzene	10.908	105	10645009	95.06	ppb		98
84) sec-Butylbenzene	11.092	105	11273233	100.50	ppb		96
85) 1,3-Dichlorobenzene	11.225	146	6321709	98.04	ppb		96
86) p-Isopropyltoluene	11.270	119	9976735	99.99	ppb		94
87) 1,4-Dichlorobenzene	11.342	146	6292042	96.10	ppb		95
88) 1,2,3-Trimethylbenzene	11.367	105	8191561	94.30	ppb		99
89) p-Diethylbenzene	11.704	105	4949492	105.35	ppb	#	96
90) 1,2-Dichlorobenzene	11.737	146	5540652	94.24	ppb	#	88
91) n-Butylbenzene	11.729	91	8447260m	100.07	ppb		
92) hexachloroethane	12.066	117	1975228	107.95	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.625	75	622962	96.21	ppb		86
94) 1,2,4,5-Tetramethylben...	12.589	119	8611295	102.81	ppb		99
95) nitrobenzene	12.825	77	120925	82.90	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.574	180	3033281	111.00	ppb		97
97) Hexachloro-1,3-Butadiene	13.746	225	680936	120.08	ppb		99
98) Naphthalene	13.860	128	7783289	98.41	ppb		100
99) 1,2,3-Trichlorobenzene	14.119	180	2627385	111.30	ppb		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621352.D
Acq On : 20 Nov 2020 10:30 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL8
Misc : QBQV6112020A
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 23 10:07:56 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621353.D
Acq On : 20 Nov 2020 10:56 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV6112020A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 10:06:23 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.697	70	361089	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.735	117	1108891	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.715	152	361025	10.00	ppb	#	0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.391	65	426440	8.83	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 88.30%				
53) Toluene-d8 (SURR)	7.233	98	1697527	10.92	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 109.20%				
73) p-Bromofluorobenzene (...	10.021	95	478988	10.28	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 102.80%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.538	85	3839690m	117.69	ppb		
3) Chloromethane	1.735	50	3911635	87.91	ppb	#	41
4) Vinyl Chloride	1.807	62	4152586	109.69	ppb	#	47
5) Bromomethane	2.116	94	2605394m	107.97	ppb		
6) Chloroethane	2.222	64	2787849	106.78	ppb		89
7) Trichlorofluoromethane	2.475	101	5809106	106.99	ppb		98
8) Ethanol	2.612	45	899260	4082.69	ppb	#	1
9) Freon-113	2.976	101	3316660	100.95	ppb		98
10) 1,1-Dichloroethylene	2.968	61	5485644	99.89	ppb		92
11) Acrolein	2.854	56	464898	93.16	ppb	#	83
12) Acetone	2.979	43	846167	98.98	ppb	#	95
13) Iodomethane	3.110	142	3157301	85.57	ppb		99
14) Allyl Chloride	3.307	76	2323981	103.11	ppb	#	100
15) Methyl Acetate	3.285	43	2160078m	102.96	ppb		
16) Carbon disulfide	3.187	76	8965014	98.42	ppb		100
17) tert-Butyl Alcohol (TBA)	3.499	59	483493	108.05	ppb	#	1
18) Methylene Chloride	3.427	49	4827327	100.90	ppb	#	71
19) Acrylonitrile	3.613	53	965288	106.83	ppb	#	66
20) trans-1,2-Dichloroethy...	3.694	61	5556287	101.78	ppb		96
21) tert-Butyl Methyl Ethe...	3.677	73	11779504	105.80	ppb	#	88
22) 1,1-Dichloroethane	4.092	63	7393890	99.65	ppb		98
23) Vinyl Acetate	4.081	43	6258269	103.61	ppb	#	99
24) Diisopropyl ether (DIPE)	4.122	45	13024817	103.88	ppb	#	95
25) Ethyl-tert-Butyl ether...	4.459	59	13488874	105.69	ppb	#	95
26) cis-1,2-Dichloroethylene	4.615	61	6858858	101.73	ppb		95
27) 2-Butanone	4.581	72	427179	107.25	ppb	#	95
28) 2,2-Dichloropropane	4.626	77	6422125	101.14	ppb	#	65
29) Tetrahydrofuran	4.851	42	940232	100.98	ppb	#	18
30) Bromochloromethane	4.837	49	3092801	99.97	ppb	#	78
31) Chloroform	4.929	83	7887632	105.92	ppb	#	96
32) 1,1,1-Trichloroethane	5.093	97	7047244	108.89	ppb	#	82
33) Cyclohexane	5.188	56	6081639m	82.88	ppb		
34) 1,1-Dichloropropylene	5.241	75	5704647	101.09	ppb		92
36) Carbon Tetrachloride	5.249	117	5749714	107.45	ppb	#	54
37) tert-Amyl alcohol (TAA)	5.405	59	3353235	1001.67	ppb	#	77
38) 1,2-Dichloroethane	5.463	62	5984974	105.64	ppb		99
39) Benzene	5.422	78	15411940	98.33	ppb		95
40) tert-Amyl methyl ether...	5.538	73	12353873	107.52	ppb	#	99
42) Trichloroethylene	6.048	95	4654147	115.18	ppb		94
43) Methyl Cyclohexane	6.287	83	5993832	106.10	ppb	#	83
44) Methyl Methacrylate	6.323	69	3965260	118.04	ppb	#	27
45) Dibromomethane	6.373	93	2582278	116.51	ppb		97
46) Bromodichloromethane	6.537	83	6298169	118.08	ppb		95
47) 1,2-Dichloropropane	6.287	63	4210032	108.95	ppb	#	95
48) 1,4-Dioxane	6.359	88	375503	1487.48	ppb	#	81
49) 2-nitropropane	6.715	43	1260472	121.96	ppb	#	100
51) cis-1,3-Dichloropropene	6.963	75	7271399	112.37	ppb		88
52) 4-Methyl-2-Pentanone	7.083	43	3277546	108.61	ppb	#	84

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621353.D
Acq On : 20 Nov 2020 10:56 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV6112020A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 10:06:23 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration

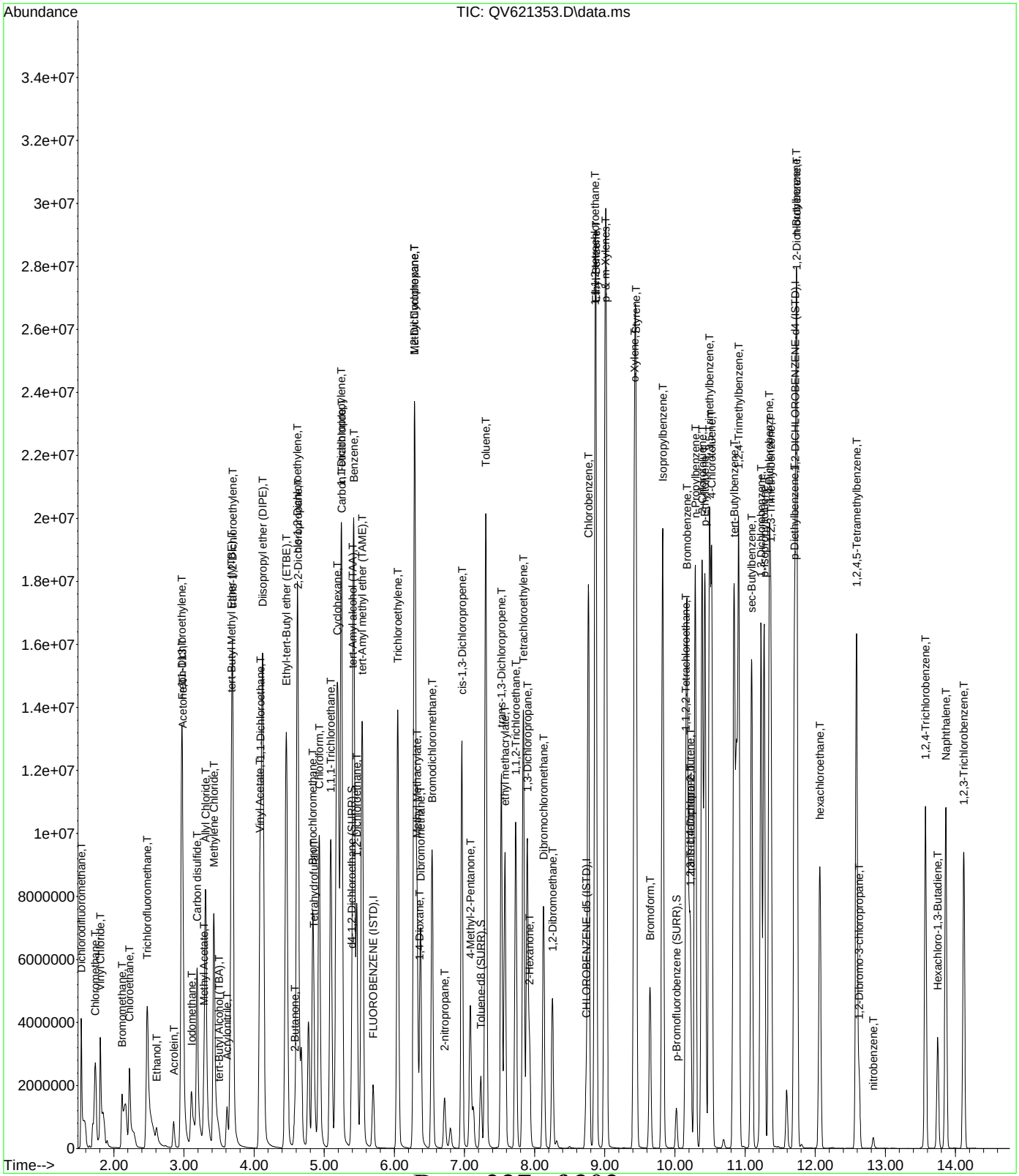
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.302	91	15874624	101.79	ppb		97
55) trans-1,3-Dichloropropene	7.525	75	6506910	111.82	ppb		99
56) ethyl methacrylate	7.578	69	5175041	113.87	ppb	#	100
57) 1,1,2-Trichloroethane	7.731	97	3513366	115.54	ppb		95
58) 1,3-Dichloropropane	7.895	76	5834400	109.18	ppb	#	61
59) Tetrachloroethylene	7.839	166	4472466	112.95	ppb	#	100
60) 2-Hexanone	7.926	43	2266858	109.00	ppb	#	14
61) Dibromochloromethane	8.126	129	4384550	120.47	ppb		97
62) 1,2-Dibromoethane	8.254	107	3507100	114.76	ppb		99
63) Chlorobenzene	8.766	112	10439950	103.72	ppb		90
64) 1,1,1,2-tetrachloroethane	8.860	131	3770227	105.76	ppb		99
65) Ethyl Benzene	8.872	91	15637444	94.90	ppb		96
66) p- & m-Xylenes	9.011	91	22834420	182.50	ppb		97
67) o-Xylene	9.422	91	13276204	99.56	ppb		100
68) Styrene	9.445	104	10324292	101.13	ppb		94
69) Bromoform	9.645	173	2651315	123.12	ppb	#	80
71) p-Ethyltoluene	10.427	105	13335411	114.05	ppb	#	83
72) Isopropylbenzene	9.826	105	15246624	109.29	ppb		93
74) 1,1,2,2-Tetrachloroethane	10.154	83	3754586	118.86	ppb	#	69
75) Bromobenzene	10.174	77	7316112	107.94	ppb		88
76) trans-1,4-Dichloro-2-b...	10.218	75	4942786	120.10	ppb	#	56
77) 1,2,3-Trichloropropane	10.221	110	1174382	125.01	ppb	#	1
78) n-Propylbenzene	10.291	91	16624579	108.20	ppb		94
79) 2-Chlorotoluene	10.388	91	13023836	118.77	ppb		100
80) 4-Chlorotoluene	10.524	91	13154470	114.32	ppb		97
81) 1,3,5-Trimethylbenzene	10.494	105	12041740	113.47	ppb	#	61
82) tert-Butylbenzene	10.844	119	12600164	117.56	ppb		96
83) 1,2,4-Trimethylbenzene	10.908	105	12261088	115.31	ppb		98
84) sec-Butylbenzene	11.092	105	12657483	118.84	ppb		95
85) 1,3-Dichlorobenzene	11.228	146	7513832	122.72	ppb		95
86) p-Isopropyltoluene	11.273	119	11375761	120.07	ppb		94
87) 1,4-Dichlorobenzene	11.345	146	7450887	119.85	ppb		94
88) 1,2,3-Trimethylbenzene	11.367	105	9672685	117.27	ppb		98
89) p-Diethylbenzene	11.704	105	5769955	129.34	ppb	#	96
90) 1,2-Dichlorobenzene	11.737	146	6551313	117.35	ppb	#	88
91) n-Butylbenzene	11.729	91	9860991m	123.03	ppb		
92) hexachloroethane	12.066	117	2349812	135.25	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.625	75	806100	131.11	ppb		86
94) 1,2,4,5-Tetramethylben...	12.589	119	10381628	130.54	ppb		98
95) nitrobenzene	12.828	77	174663	110.33	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.571	180	3786984	145.94	ppb		96
97) Hexachloro-1,3-Butadiene	13.746	225	823053	152.85	ppb		99
98) Naphthalene	13.863	128	9723845	129.47	ppb		99
99) 1,2,3-Trichlorobenzene	14.119	180	3324005	148.29	ppb		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621353.D
Acq On : 20 Nov 2020 10:56 pm
InstName : QVOA6
Operator : TMP
Sample : SEQ-CAL9
Misc : QBQV6112020A
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 23 10:06:23 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO073.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Nov 05 10:35:47 2020
Response via : Initial Calibration



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Calibration: YJ00026 **Laboratory ID:** Y0J2914-SCV1

Sequence: Y0J2914 **Standard ID:** Y20J307

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	10.0	9.88	-1.2	30.00
1,1,1-Trichloroethane	10.0	10.5	4.6	30.00
1,1,2,2-Tetrachloroethane	10.0	10.3	3.2	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	12.6	25.5	30.00
1,1,2-Trichloroethane	10.0	10.5	4.7	30.00
1,1-Dichloroethane	10.0	9.78	-2.2	30.00
1,1-Dichloroethylene	10.0	10.7	7.0	30.00
1,2,3-Trichlorobenzene	10.0	10.1	1.3	30.00
1,2,3-Trichloropropane	10.0	9.81	-1.9	30.00
1,2,4-Trichlorobenzene	10.0	10.2	1.8	30.00
1,2,4-Trimethylbenzene	10.0	9.80	-2.0	30.00
1,2-Dibromo-3-chloropropane	10.0	10.3	2.8	30.00
1,2-Dibromoethane	10.0	10.5	4.8	30.00
1,2-Dichlorobenzene	10.0	10.0	0.4	30.00
1,2-Dichloroethane	10.0	10.2	2.2	30.00
1,2-Dichloropropane	10.0	10.2	1.7	30.00
1,3,5-Trimethylbenzene	10.0	9.81	-1.9	30.00
1,3-Dichlorobenzene	10.0	9.67	-3.3	30.00
1,4-Dichlorobenzene	10.0	9.58	-4.2	30.00
1,4-Dioxane	210	322	53.3 *	30.00
2-Butanone	10.0	11.6	16.0	30.00
2-Hexanone	10.0	10.5	5.0	30.00
4-Methyl-2-pentanone	10.0	10.8	7.6	30.00
Acetone	10.0	10.5	5.3	30.00
Acrolein	10.0	10.0	0.2	30.00
Acrylonitrile	10.0	10.7	7.4	30.00
Benzene	10.0	10.4	3.6	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Calibration: YJ00026 **Laboratory ID:** Y0J2914-SCV1

Sequence: Y0J2914 **Standard ID:** Y20J307

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Bromochloromethane	10.0	10.1	1.2	30.00
Bromodichloromethane	10.0	10.1	0.9	30.00
Bromoform	10.0	10.5	4.7	30.00
Bromomethane	10.0	9.67	-3.3	30.00
Carbon disulfide	10.0	10.4	4.0	30.00
Carbon tetrachloride	10.0	10.8	8.5	30.00
Chlorobenzene	10.0	10.2	2.3	30.00
Chloroethane	10.0	11.3	13.2	30.00
Chloroform	10.0	10.2	1.7	30.00
Chloromethane	10.0	9.60	-4.0	30.00
cis-1,2-Dichloroethylene	10.0	9.89	-1.1	30.00
cis-1,3-Dichloropropylene	10.0	9.71	-2.9	30.00
Cyclohexane	10.0	10.4	3.6	30.00
Dibromochloromethane	10.0	10.3	2.9	30.00
Dibromomethane	10.0	10.3	3.0	30.00
Dichlorodifluoromethane	10.0	13.8	38.4 *	30.00
Ethyl Benzene	10.0	10.5	5.0	30.00
Hexachlorobutadiene	10.0	9.20	-8.0	30.00
Isopropylbenzene	10.0	9.50	-5.0	30.00
Methyl acetate	10.0	9.35	-6.5	30.00
Methyl tert-butyl ether (MTBE)	10.0	10.8	7.8	30.00
Methylcyclohexane	10.0	12.0	20.1	30.00
Methylene chloride	10.0	10.4	3.5	30.00
n-Butylbenzene	10.0	10.1	0.8	30.00
n-Propylbenzene	10.0	9.69	-3.1	30.00
o-Xylene	10.0	10.3	2.8	30.00
p- & m- Xylenes	20.0	20.9	4.3	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Calibration: YJ00026 **Laboratory ID:** Y0J2914-SCV1

Sequence: Y0J2914 **Standard ID:** Y20J307

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
p-Isopropyltoluene	10.0	9.72	-2.8	30.00
sec-Butylbenzene	10.0	10.6	5.5	30.00
Styrene	10.0	10.6	5.7	30.00
tert-Butyl alcohol (TBA)	50.0	53.5	7.0	30.00
tert-Butylbenzene	10.0	8.47	-15.3	30.00
Tetrachloroethylene	10.0	9.89	-1.1	30.00
Toluene	10.0	10.3	2.9	30.00
trans-1,2-Dichloroethylene	10.0	10.6	5.8	30.00
trans-1,3-Dichloropropylene	10.0	9.68	-3.2	30.00
trans-1,4-dichloro-2-butene	10.0	9.45	-5.5	30.00
Trichloroethylene	10.0	10.2	1.9	30.00
Trichlorofluoromethane	10.0	11.7	17.3	30.00
Vinyl Chloride	10.0	11.1	11.2	30.00

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914790.D
Acq On : 26 Oct 2020 6:42 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9102620A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 29 11:27:46 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	281389	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	939328	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	246250	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.432	65	314628	10.08	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 100.80%				
51) Toluene-d8 (SURR)	7.292	98	1388991	9.89	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 98.90%				
70) p-Bromofluorobenzene (...	10.082	95	492603	9.55	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 95.50%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	274923	13.84	ppb	#	1
3) Chloromethane	1.759	50	195949m	9.60	ppb		
4) Vinyl Chloride	1.829	62	229637	11.12	ppb	#	98
5) Bromomethane	2.149	94	15872m	9.67	ppb		
6) Chloroethane	2.259	64	155244	11.32	ppb	#	20
7) Trichlorofluoromethane	2.512	101	428685	11.73	ppb	#	21
9) Freon-113	3.023	101	213009	12.55	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	343442	10.70	ppb	#	82
11) Acrolein	2.884	56	12418	10.02	ppb	#	1
12) Acetone	3.009	43	19784	10.53	ppb	#	1
13) Iodomethane	3.145	142	78518m	10.03	ppb		
14) Methyl Acetate	3.323	43	41425	9.35	ppb	#	1
15) Carbon disulfide	3.236	76	536202	10.40	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	49984m	53.48	ppb		
17) Methylene Chloride	3.459	49	217802	10.35	ppb	#	60
18) Acrylonitrile	3.639	53	26973	10.74	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	328448	10.58	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.732	73	491550	10.78	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	409796	9.78	ppb	#	99
22) Vinyl Acetate	4.122	43	138737	9.16	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	502839	9.93	ppb	#	48
24) Ethyl-tert-Butyl ether...	4.517	59	660579	10.80	ppb	#	100
25) cis-1,2-Dichloroethylene	4.657	61	377076	9.89	ppb	#	80
26) 2-Butanone	4.625	72	14118m	11.60	ppb		
27) 2,2-Dichloropropane	4.671	77	390322	9.09	ppb	#	83
28) Tetrahydrofuran	4.906	42	17541	10.56	ppb	#	1
29) Bromochloromethane	4.880	49	117140	10.12	ppb	#	42
30) Chloroform	4.967	83	472023	10.17	ppb	#	94
31) 1,1,1-Trichloroethane	5.148	97	463088	10.46	ppb	#	26
32) Cyclohexane	5.246	56	369597	10.36	ppb	#	68
33) 1,1-Dichloropropylene	5.299	75	340682	10.35	ppb	#	71
35) Carbon Tetrachloride	5.313	117	382833	10.85	ppb	#	99
36) tert-Amyl alcohol (TAA)	5.444	59	74529	109.75	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	288564	10.22	ppb	#	98
38) Benzene	5.473	78	928495	10.36	ppb	#	95
39) tert-Amyl methyl ether...	5.604	73	547267	10.69	ppb	#	1
41) Trichloroethylene	6.107	95	262485	10.19	ppb	#	68
42) Methyl Cyclohexane	6.359	83	412935	12.01	ppb	#	66
43) Methyl Methacrylate	6.371	69	160066	11.31	ppb	#	98
44) Dibromomethane	6.420	93	99617	10.30	ppb	#	89
45) Bromodichloromethane	6.583	83	334868	10.09	ppb	#	95
46) 1,2-Dichloropropane	6.336	63	213493	10.17	ppb	#	84
47) 1,4-Dioxane	6.412	88	25107m	321.89	ppb		
49) cis-1,3-Dichloropropene	7.013	75	347573	9.71	ppb	#	71
50) 4-Methyl-2-Pentanone	7.124	43	70329	10.76	ppb	#	43
52) Toluene	7.365	91	1020959	10.29	ppb		100
53) trans-1,3-Dichloropropene	7.571	75	290216	9.68	ppb	#	98

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914790.D
Acq On : 26 Oct 2020 6:42 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9102620A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 29 11:27:46 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

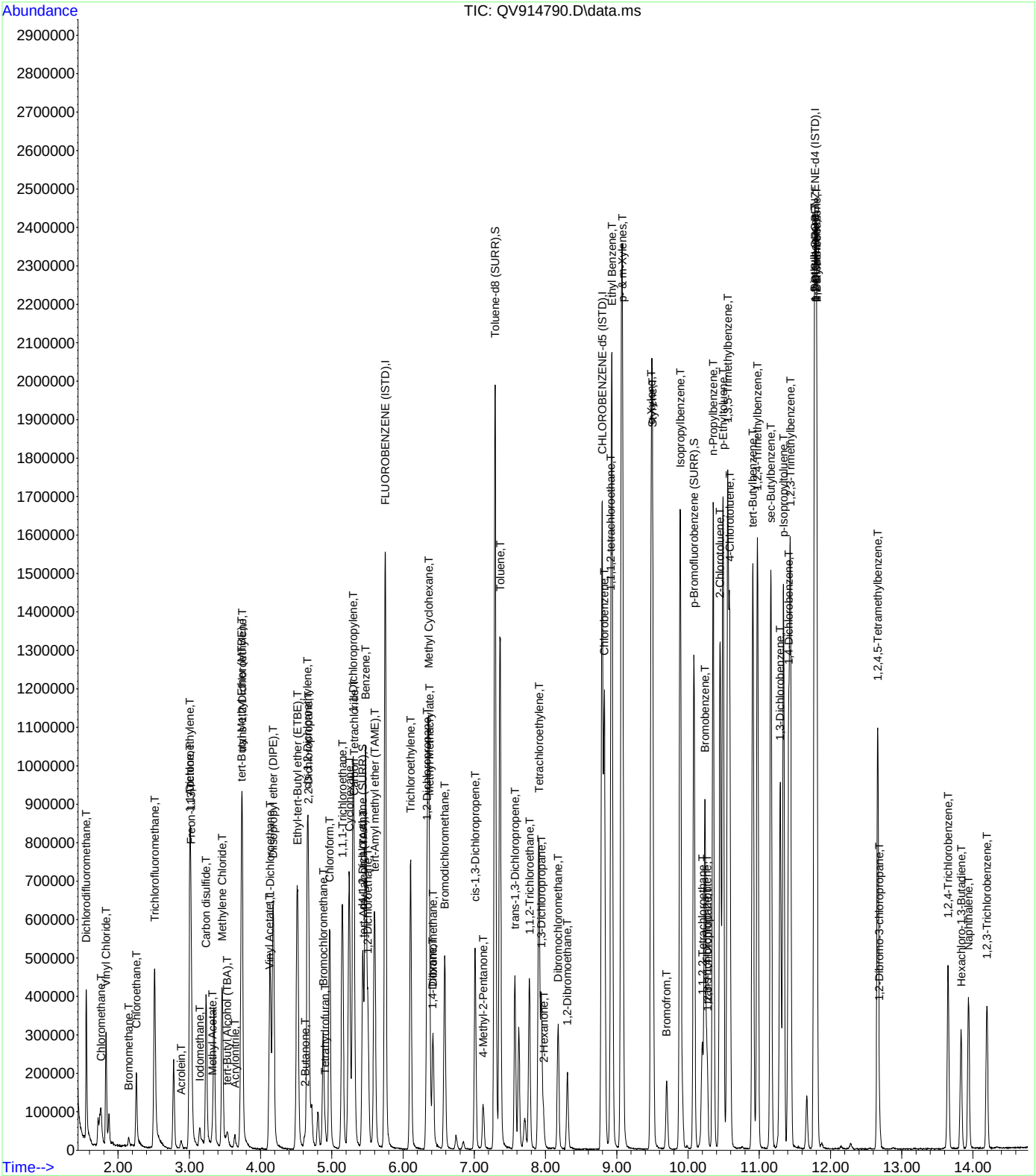
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.775	97	139745	10.47	ppb	#	1
55) 1,3-Dichloropropane	7.943	76	257042	10.30	ppb	#	91
56) Tetrachloroethylene	7.908	166	241569	9.89	ppb	#	100
57) 2-Hexanone	7.972	43	46039	10.50	ppb	#	1
58) Dibromochloromethane	8.176	129	174248	10.29	ppb	#	84
59) 1,2-Dibromoethane	8.306	107	137199	10.48	ppb		92
60) Chlorobenzene	8.824	112	609153	10.23	ppb	#	80
61) 1,1,1,2-tetrachloroethane	8.917	131	219233	9.88	ppb	#	46
62) Ethyl Benzene	8.931	91	1235545	10.50	ppb		96
63) p- & m-Xylenes	9.076	91	1961009	20.86	ppb		92
64) o-Xylene	9.483	91	990672	10.28	ppb		96
65) Styrene	9.504	104	701483	10.57	ppb	#	82
66) Bromofrom	9.698	173	84193	10.47	ppb	#	95
68) p-Ethyltoluene	10.492	105	1164721	10.48	ppb	#	97
69) Isopropylbenzene	9.893	105	1238940	9.50	ppb	#	91
71) 1,1,2,2-Tetrachloroethane	10.201	83	140518	10.32	ppb	#	98
72) Bromobenzene	10.236	77	457785	9.57	ppb	#	72
73) trans-1,4-Dichloro-2-b...	10.268	75	174567	9.45	ppb	#	72
74) 1,2,3-Trichloropropane	10.271	110	45024	9.81	ppb	#	1
75) n-Propylbenzene	10.352	91	1387529	9.69	ppb	#	90
76) 2-Chlorotoluene	10.448	91	858902	9.49	ppb		97
77) 4-Chlorotoluene	10.585	91	977909	9.33	ppb		94
78) 1,3,5-Trimethylbenzene	10.559	105	1035843	9.81	ppb	#	57
79) tert-Butylbenzene	10.907	119	781703	8.47	ppb	#	83
80) 1,2,4-Trimethylbenzene	10.974	105	1008144	9.80	ppb		90
81) sec-Butylbenzene	11.163	105	1163635	10.55	ppb	#	90
82) 1,3-Dichlorobenzene	11.291	146	404759	9.67	ppb	#	90
83) p-Isopropyltoluene	11.340	119	908825	9.72	ppb		92
84) 1,4-Dichlorobenzene	11.413	146	396212	9.58	ppb	#	88
85) 1,2,3-Trimethylbenzene	11.436	105	944711	13.47	ppb	#	87
86) p-Diethylbenzene	11.776	105	516067	11.04	ppb	#	59
87) 1,2-Dichlorobenzene	11.802	146	342590	10.04	ppb	#	100
88) n-Butylbenzene	11.802	91	864259m	10.08	ppb		
89) 1,2-Dibromo-3-chloropr...	12.683	75	29319	10.28	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.662	119	635091	9.69	ppb	#	85
91) 1,2,4-Trichlorobenzene	13.650	180	157119	10.18	ppb	#	59
92) Hexachloro-1,3-Butadiene	13.834	225	63454	9.20	ppb	#	64
93) Naphthalene	13.935	128	326028	10.07	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.194	180	117585	10.13	ppb	#	92

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\102620A\
Data File : QV914790.D
Acq On : 26 Oct 2020 6:42 pm
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV9102620A
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Oct 29 11:27:46 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Calibration: YL00001 **Laboratory ID:** Y0L0203-SCV1

Sequence: Y0L0203 **Standard ID:** Y20K226

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
1,1,1,2-Tetrachloroethane	10.0	10.3	3.2	30.00
1,1,1-Trichloroethane	10.0	11.1	11.2	30.00
1,1,2,2-Tetrachloroethane	10.0	10.0	0.0	30.00
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	10.0	12.3	22.8	30.00
1,1,2-Trichloroethane	10.0	9.65	-3.5	30.00
1,1-Dichloroethane	10.0	10.6	5.7	30.00
1,1-Dichloroethylene	10.0	12.2	21.7	30.00
1,2,3-Trichlorobenzene	10.0	9.82	-1.8	30.00
1,2,3-Trichloropropane	10.0	9.84	-1.6	30.00
1,2,4-Trichlorobenzene	10.0	9.96	-0.4	30.00
1,2,4-Trimethylbenzene	10.0	10.8	7.5	30.00
1,2-Dibromo-3-chloropropane	10.0	9.71	-2.9	30.00
1,2-Dibromoethane	10.0	9.86	-1.4	30.00
1,2-Dichlorobenzene	10.0	10.3	2.9	30.00
1,2-Dichloroethane	10.0	10.3	3.2	30.00
1,2-Dichloropropane	10.0	9.85	-1.5	30.00
1,3,5-Trimethylbenzene	10.0	10.9	9.2	30.00
1,3-Dichlorobenzene	10.0	10.2	2.3	30.00
1,4-Dichlorobenzene	10.0	10.2	2.3	30.00
1,4-Dioxane	210	231	10.1	30.00
2-Butanone	10.0	10.3	3.3	30.00
2-Hexanone	10.0	9.99	-0.1	30.00
4-Methyl-2-pentanone	10.0	10.0	0.0	30.00
Acetone	10.0	9.03	-9.7	30.00
Acrolein	10.0	4.26	-57.4 *	30.00
Acrylonitrile	10.0	10.1	0.8	30.00
Benzene	10.0	10.9	8.9	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Calibration: YL00001 **Laboratory ID:** Y0L0203-SCV1

Sequence: Y0L0203 **Standard ID:** Y20K226

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
Bromochloromethane	10.0	10.3	2.7	30.00
Bromodichloromethane	10.0	9.91	-0.9	30.00
Bromoform	10.0	10.0	0.2	30.00
Bromomethane	10.0	9.85	-1.5	30.00
Carbon disulfide	10.0	12.7	26.6	30.00
Carbon tetrachloride	10.0	11.4	13.8	30.00
Chlorobenzene	10.0	10.3	3.4	30.00
Chloroethane	10.0	11.3	12.8	30.00
Chloroform	10.0	10.5	4.7	30.00
Chloromethane	10.0	11.5	14.6	30.00
cis-1,2-Dichloroethylene	10.0	10.5	5.4	30.00
cis-1,3-Dichloropropylene	10.0	9.87	-1.3	30.00
Cyclohexane	10.0	9.84	-1.6	30.00
Dibromochloromethane	10.0	10.0	0.5	30.00
Dibromomethane	10.0	9.61	-3.9	30.00
Dichlorodifluoromethane	10.0	12.2	22.5	30.00
Ethyl Benzene	10.0	11.1	10.9	30.00
Hexachlorobutadiene	10.0	10.8	8.2	30.00
Isopropylbenzene	10.0	10.7	7.2	30.00
Methyl acetate	10.0	8.79	-12.1	30.00
Methyl tert-butyl ether (MTBE)	10.0	10.5	4.6	30.00
Methylcyclohexane	10.0	11.2	11.5	30.00
Methylene chloride	10.0	10.8	7.5	30.00
n-Butylbenzene	10.0	11.0	10.2	30.00
n-Propylbenzene	10.0	10.8	8.5	30.00
o-Xylene	10.0	10.7	6.6	30.00
p- & m- Xylenes	20.0	22.2	10.8	30.00

SECOND-SOURCE CALIBRATION VERIFICATION

EPA 8260C

Laboratory: York Analytical Laboratories, Inc. **SDG:** 20L0374

Client: Walden Associates **Project:** IMPL0115.6 218 Lakeville

Calibration: YL00001 **Laboratory ID:** Y0L0203-SCV1

Sequence: Y0L0203 **Standard ID:** Y20K226

ANALYTE	EXPECTED (ug/L)	FOUND (ug/L)	% DIFF	QC LIMIT
p-Isopropyltoluene	10.0	11.1	10.8	30.00
sec-Butylbenzene	10.0	11.6	15.6	30.00
Styrene	10.0	11.0	10.1	30.00
tert-Butyl alcohol (TBA)	50.0	41.2	-17.6	30.00
tert-Butylbenzene	10.0	8.88	-11.2	30.00
Tetrachloroethylene	10.0	10.4	4.1	30.00
Toluene	10.0	10.6	6.2	30.00
trans-1,2-Dichloroethylene	10.0	11.6	16.4	30.00
trans-1,3-Dichloropropylene	10.0	9.71	-2.9	30.00
trans-1,4-dichloro-2-butene	10.0	9.82	-1.8	30.00
Trichloroethylene	10.0	10.4	4.4	30.00
Trichlorofluoromethane	10.0	11.5	15.4	30.00
Vinyl Chloride	10.0	11.5	14.8	30.00

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621356.D
Acq On : 21 Nov 2020 12:15 am
InstName : QVOA6
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV6112020A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 11:09:13 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.697	70	329321	10.00	ppb	#	0.00
41) CHLOROBENZENE-d5 (ISTD)	8.732	117	1156275	10.00	ppb		0.00
70) 1,2-DICHLOROBENZENE-d4...	11.709	152	415431	10.00	ppb		0.00
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.388	65	405548	10.07	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 100.70%				
53) Toluene-d8 (SURR)	7.230	98	1654587	9.81	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 98.10%				
73) p-Bromofluorobenzene (...	10.018	95	508655	9.87	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 98.70%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.537	85	306591	12.25	ppb	#	1
3) Chloromethane	1.738	50	264222	11.46	ppb	#	43
4) Vinyl Chloride	1.807	62	295675	11.48	ppb	#	49
5) Bromomethane	2.122	94	128517m	9.85	ppb		
6) Chloroethane	2.225	64	199445	11.28	ppb		91
7) Trichlorofluoromethane	2.475	101	439968	11.54	ppb		98
9) Freon-113	2.976	101	275287	12.28	ppb		98
10) 1,1-Dichloroethylene	2.965	61	423660	12.17	ppb		90
11) Acrolein	2.859	56	11146	4.26	ppb	#	52
12) Acetone	2.981	43	50628	9.03	ppb	#	97
13) Iodomethane	3.107	142	153343	6.60	ppb		94
14) Allyl Chloride	3.307	76	154232	10.81	ppb	#	100
15) Methyl Acetate	3.282	43	111518m	8.79	ppb		
16) Carbon disulfide	3.187	76	713711	12.66	ppb		100
17) tert-Butyl Alcohol (TBA)	3.499	59	112207	41.21	ppb	#	1
18) Methylene Chloride	3.426	49	316468	10.75	ppb	#	72
19) Acrylonitrile	3.613	53	54138	10.08	ppb	#	45
20) trans-1,2-Dichloroethy...	3.696	61	397768	11.64	ppb		96
21) tert-Butyl Methyl Ethe...	3.677	73	733342	10.46	ppb	#	88
22) 1,1-Dichloroethane	4.091	63	492521	10.57	ppb		99
23) Vinyl Acetate	4.080	43	382261	11.24	ppb	#	99
24) Diisopropyl ether (DIPE)	4.122	45	766718	9.54	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.456	59	835045	10.04	ppb	#	96
26) cis-1,2-Dichloroethylene	4.614	61	447763	10.54	ppb	#	85
27) 2-Butanone	4.584	72	27282	10.33	ppb	#	95
28) 2,2-Dichloropropane	4.623	77	416603	10.18	ppb		90
29) Tetrahydrofuran	4.851	42	53000	9.67	ppb	#	21
30) Bromochloromethane	4.834	49	195544	10.27	ppb	#	78
31) Chloroform	4.926	83	508162	10.47	ppb	#	84
32) 1,1,1-Trichloroethane	5.090	97	478377	11.12	ppb		97
33) Cyclohexane	5.176	56	462437	9.84	ppb		85
34) 1,1-Dichloropropylene	5.238	75	408333	11.17	ppb		91
36) Carbon Tetrachloride	5.246	117	407618	11.38	ppb	#	55
37) tert-Amyl alcohol (TAA)	5.402	59	196456	100.78	ppb	#	78
38) 1,2-Dichloroethane	5.463	62	363347m	10.32	ppb		
39) Benzene	5.419	78	1109588	10.89	ppb	#	92
40) tert-Amyl methyl ether...	5.538	73	778037	10.17	ppb	#	100
42) Trichloroethylene	6.047	95	310087	10.44	ppb		97
43) Methyl Cyclohexane	6.287	83	488692	11.15	ppb		85
44) Methyl Methacrylate	6.320	69	252378m	10.18	ppb		
45) Dibromomethane	6.370	93	154963	9.61	ppb		98
46) Bromodichloromethane	6.534	83	375486	9.91	ppb		95
47) 1,2-Dichloropropane	6.287	63	266618	9.85	ppb	#	96
48) 1,4-Dioxane	6.345	88	28589m	231.28	ppb		
49) 2-nitropropane	6.712	43	62941	9.22	ppb	#	100
51) cis-1,3-Dichloropropene	6.960	75	449061	9.87	ppb		86
52) 4-Methyl-2-Pentanone	7.077	43	197957	10.00	ppb	#	85
54) Toluene	7.299	91	1248682	10.62	ppb		99

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621356.D
Acq On : 21 Nov 2020 12:15 am
InstName : QVOA6
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV6112020A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 11:09:13 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

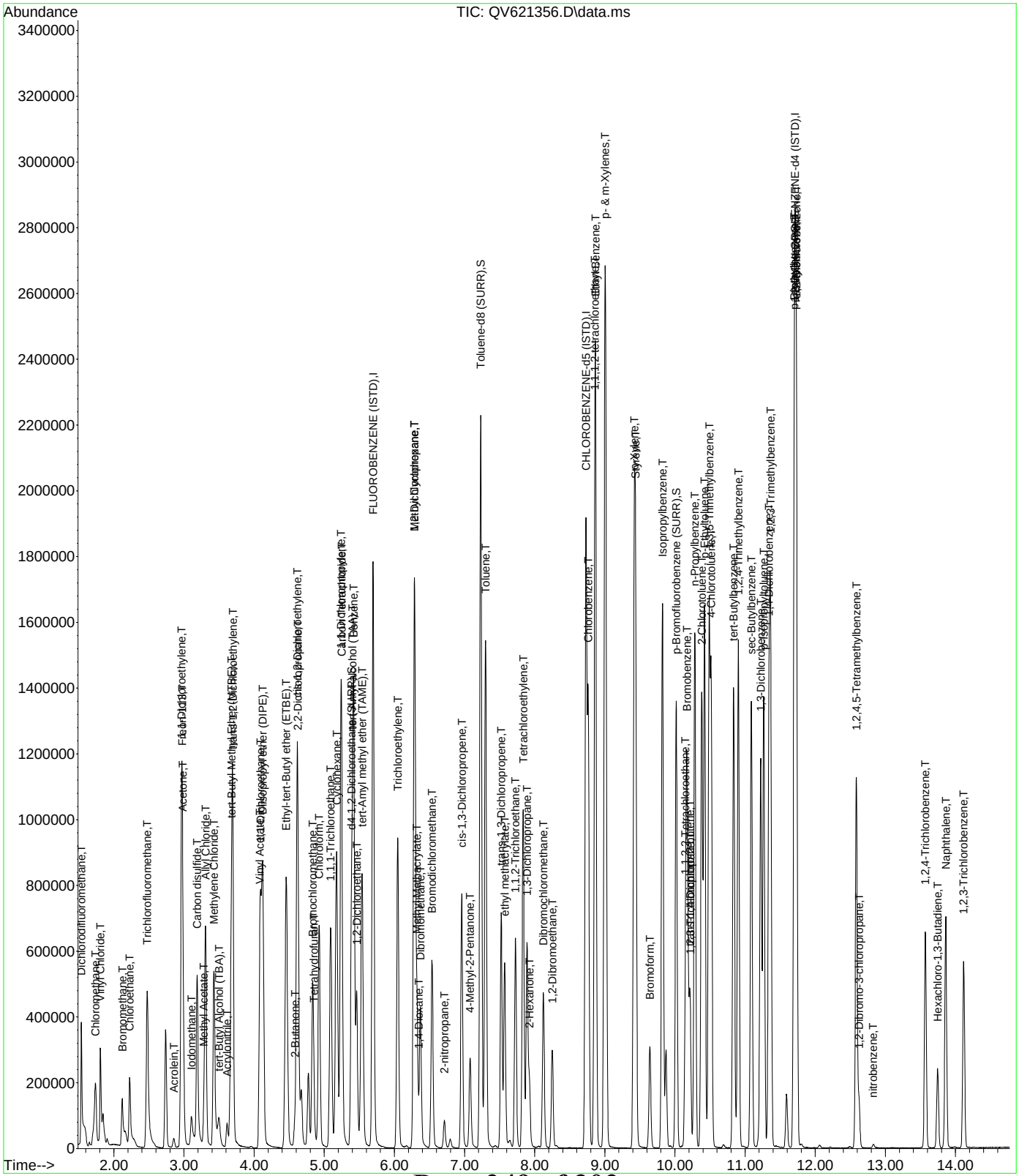
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55)	trans-1,3-Dichloropropene	7.522	75	389399	9.71	ppb		100
56)	ethyl methacrylate	7.572	69	310992	9.94	ppb	#	100
57)	1,1,2-Trichloroethane	7.725	97	215313	9.65	ppb		94
58)	1,3-Dichloropropane	7.889	76	376087	9.92	ppb	#	62
59)	Tetrachloroethylene	7.836	166	332030	10.41	ppb	#	100
60)	2-Hexanone	7.925	43	135974	9.99	ppb	#	12
61)	Dibromochloromethane	8.123	129	269653	10.05	ppb		98
62)	1,2-Dibromoethane	8.251	107	221480	9.86	ppb		97
63)	Chlorobenzene	8.763	112	783250	10.34	ppb		94
64)	1,1,1,2-tetrachloroethane	8.857	131	273785	10.32	ppb		99
65)	Ethyl Benzene	8.866	91	1384175	11.09	ppb		99
66)	p- & m-Xylenes	9.005	91	2116946	22.17	ppb		98
67)	o-Xylene	9.419	91	1065888	10.66	ppb		100
68)	Styrene	9.439	104	838042	11.01	ppb		97
69)	Bromoform	9.642	173	158778	10.02	ppb	#	81
71)	p-Ethyltoluene	10.421	105	1209927m	11.56	ppb		
72)	Isopropylbenzene	9.823	105	1318858	10.72	ppb		98
74)	1,1,2,2-Tetrachloroethane	10.148	83	255974	10.00	ppb	#	69
75)	Bromobenzene	10.171	77	513656	9.94	ppb		90
76)	trans-1,4-Dichloro-2-b...	10.215	75	313935	9.82	ppb	#	54
77)	1,2,3-Trichloropropane	10.218	110	77751	9.84	ppb	#	1
78)	n-Propylbenzene	10.282	91	1458504	10.85	ppb		99
79)	2-Chlorotoluene	10.382	91	1006910	10.80	ppb		99
80)	4-Chlorotoluene	10.516	91	1010514	10.37	ppb		97
81)	1,3,5-Trimethylbenzene	10.488	105	1016368	10.92	ppb	#	66
82)	tert-Butylbenzene	10.836	119	835370	8.88	ppb		95
83)	1,2,4-Trimethylbenzene	10.902	105	996738	10.75	ppb		99
84)	sec-Butylbenzene	11.089	105	1118361	11.56	ppb		99
85)	1,3-Dichlorobenzene	11.222	146	558887	10.23	ppb		97
86)	p-Isopropyltoluene	11.264	119	950062	11.08	ppb		98
87)	1,4-Dichlorobenzene	11.339	146	565329	10.23	ppb		97
88)	1,2,3-Trimethylbenzene	11.361	105	987448	13.51	ppb		100
89)	p-Diethylbenzene	11.701	105	485026	11.93	ppb	#	82
90)	1,2-Dichlorobenzene	11.731	146	510559	10.29	ppb		99
91)	n-Butylbenzene	11.726	91	783555m	11.02	ppb		
93)	1,2-Dibromo-3-chloropr...	12.625	75	47409	9.71	ppb	#	27
94)	1,2,4,5-Tetramethylben...	12.586	119	713197	10.08	ppb		99
95)	nitrobenzene	12.825	77	5244	9.48	ppb	#	100
96)	1,2,4-Trichlorobenzene	13.568	180	239257	9.96	ppb		98
97)	Hexachloro-1,3-Butadiene	13.746	225	56922	10.82	ppb		99
98)	Naphthalene	13.863	128	638139	9.85	ppb		99
99)	1,2,3-Trichlorobenzene	14.116	180	202409	9.82	ppb		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621356.D
Acq On : 21 Nov 2020 12:15 am
InstName : QVOA6
Operator : TMP
Sample : SEQ-SCV1
Misc : QBQV6112020A
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 23 11:09:13 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Instrument ID:	QVOA9	Calibration:	YJ00026
Lab File ID:	QV915513.D	Calibration Date:	10/26/20 10:19
Sequence:	Y0L0933	Injection Date:	12/09/20
Lab Sample ID:	Y0L0933-CCV1	Injection Time:	09:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	10.0	10.8	0.2361436	0.2549433		8.0	20	
1,1,1-Trichloroethane	A	10.0	11.8	1.572895	1.862304	0.1	18.4	20	
1,1,2,2-Tetrachloroethane	A	10.0	9.16	0.553055	0.5066686	0.3	-8.4	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	13.2	0.6034085	0.7935217	0.1	31.5	20	*
1,1,2-Trichloroethane	A	10.0	10.7	0.1420289	0.1516747	0.1	6.8	20	
1,1-Dichloroethane	A	10.0	11.1	1.489401	1.65214	0.2	10.9	20	
1,1-Dichloroethylene	A	10.0	11.0	1.14094	1.257612	0.1	10.2	20	
1,2,3-Trichlorobenzene	A	10.0	9.88	0.4715469	0.4660161		-1.2	20	
1,2,3-Trichloropropane	A	10.0	9.49	0.18641	0.1769893		-5.1	20	
1,2,4-Trichlorobenzene	A	10.0	9.55	0.6270361	0.5989079	0.2	-4.5	20	
1,2,4-Trimethylbenzene	A	10.0	8.53	4.177125	3.564458		-14.7	20	
1,2-Dibromo-3-chloropropane	A	10.0	8.45	0.1157913	9.782879E-02	0.05	-15.5	20	
1,2-Dibromoethane	A	10.0	10.9	0.1394355	0.1520805	0.1	9.1	20	
1,2-Dichlorobenzene	A	10.0	9.78	1.386326	1.35598	0.4	-2.2	20	
1,2-Dichloroethane	A	10.0	12.0	1.003228	1.209203	0.1	20.5	20	*
1,2-Dichloropropane	A	10.0	9.01	0.2234523	0.2013205	0.1	-9.9	20	
1,3,5-Trimethylbenzene	A	10.0	8.52	4.29001	3.655005		-14.8	20	
1,3-Dichlorobenzene	A	10.0	9.65	1.700462	1.640414	0.6	-3.5	20	
1,4-Dichlorobenzene	A	10.0	9.56	1.679605	1.606245	0.5	-4.4	20	
1,4-Dioxane	Q	200	274	1.252805E-03	1.131278E-03		36.9	20	*
2-Butanone	A	10.0	9.04	4.326382E-02	3.909301E-02	0.1	-9.6	20	
2-Hexanone	A	10.0	8.64	4.669556E-02	4.035543E-02	0.1	-13.6	20	
4-Methyl-2-pentanone	A	10.0	8.60	6.955424E-02	5.978418E-02	0.1	-14.0	20	
Acetone	L	10.0	11.6	6.679842E-02	7.735659E-02	0.1	15.8	20	
Acrolein	A	10.0	13.4	4.403814E-02	0.0592355		34.5	20	*
Acrylonitrile	A	10.0	11.4	8.925904E-02	0.1016957		13.9	20	
Benzene	A	10.0	11.5	3.184866	3.656463	0.5	14.8	20	
Bromochloromethane	A	10.0	11.4	0.4113568	0.4695171		14.1	20	
Bromodichloromethane	A	10.0	9.68	0.3533007	0.3420165	0.2	-3.2	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Instrument ID:	QVOA9	Calibration:	YJ00026
Lab File ID:	QV915513.D	Calibration Date:	10/26/20 10:19
Sequence:	Y0L0933	Injection Date:	12/09/20
Lab Sample ID:	Y0L0933-CCV1	Injection Time:	09:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	A	10.0	11.6	8.563467E-02	9.958376E-02	0.1	16.3	20	
Bromomethane	Q	10.0	13.5	6.123125E-02	8.037769E-02	0.1	34.7	20	*
Carbon disulfide	A	10.0	11.7	1.831986	2.143859	0.1	17.0	20	
Carbon tetrachloride	A	10.0	12.1	1.253914	1.516542	0.1	20.9	20	*
Chlorobenzene	A	10.0	10.2	0.6339199	0.6445609	0.5	1.7	20	
Chloroethane	A	10.0	11.0	0.4873666	0.5337402	0.1	9.5	20	
Chloroform	A	10.0	12.1	1.650041	1.99348	0.2	20.8	20	*
Chloromethane	A	10.0	6.90	0.7250401	0.5004422	0.1	-31.0	20	*
cis-1,2-Dichloroethylene	A	10.0	11.1	1.354319	1.501953	0.1	10.9	20	
cis-1,3-Dichloropropylene	A	10.0	9.32	0.3810869	0.3551182	0.2	-6.8	20	
Cyclohexane	A	10.0	11.2	1.267446	1.417362	0.1	11.8	20	
Dibromochloromethane	A	10.0	10.9	0.1802296	0.1961351	0.1	8.8	20	
Dibromomethane	A	10.0	10.6	0.1029379	0.1096387		6.5	20	
Dichlorodifluoromethane	A	10.0	12.3	0.7058817	0.8708178	0.1	23.4	20	*
Ethyl Benzene	A	10.0	9.52	1.252431	1.192105	0.1	-4.8	20	
Hexachlorobutadiene	A	10.0	8.17	0.2801029	0.2287468		-18.3	20	
Isopropylbenzene	A	10.0	8.48	5.29438	4.488328	0.1	-15.2	20	
Methyl acetate	A	10.0	12.0	0.1575121	0.188187	0.1	19.5	20	
Methyl tert-butyl ether (MTBE)	A	10.0	13.2	1.619724	2.133093	0.1	31.7	20	*
Methylcyclohexane	A	10.0	10.3	0.3660708	0.3780177	0.1	3.3	20	
Methylene chloride	A	10.0	11.0	0.7476054	0.8217222	0.1	9.9	20	
n-Butylbenzene	A	10.0	8.74	3.482377	3.042571		-12.6	20	
n-Propylbenzene	A	10.0	8.31	5.816695	4.833521		-16.9	20	
o-Xylene	A	10.0	9.70	1.025695	0.9949986	0.3	-3.0	20	
p- & m- Xylenes	A	20.0	19.8	1.000987	0.9898811	0.1	-1.1	20	
p-Isopropyltoluene	A	10.0	8.89	3.797112	3.377194		-11.1	20	
sec-Butylbenzene	A	10.0	8.66	4.477239	3.878697		-13.4	20	
Styrene	A	10.0	10.3	0.706259	0.72532	0.3	2.7	20	
tert-Butyl alcohol (TBA)	L	10.0	14.3	0.033213	4.760702E-02		43.3	20	*

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Instrument ID:	QVOA9	Calibration:	YJ00026
Lab File ID:	QV915513.D	Calibration Date:	10/26/20 10:19
Sequence:	Y0L0933	Injection Date:	12/09/20
Lab Sample ID:	Y0L0933-CCV1	Injection Time:	09:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
tert-Butylbenzene	A	10.0	8.99	3.749594	3.369866		-10.1	20	
Tetrachloroethylene	A	10.0	11.3	0.2600143	0.2929122	0.2	12.7	20	
Toluene	A	10.0	9.46	1.056261	0.9994246	0.4	-5.4	20	
trans-1,2-Dichloroethylene	A	10.0	10.9	1.102755	1.198398	0.1	8.7	20	
trans-1,3-Dichloropropylene	A	10.0	9.42	0.3190907	0.3006002	0.1	-5.8	20	
trans-1,4-dichloro-2-butene	A	10.0	7.67	0.7505231	0.5753742		-23.3	20	*
Trichloroethylene	A	10.0	9.49	0.2741038	0.2601013	0.2	-5.1	20	
Trichlorofluoromethane	A	10.0	12.3	1.298337	1.602006	0.1	23.4	20	*
Vinyl Chloride	A	10.0	10.4	0.733933	0.760762	0.1	3.7	20	

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915513.D
Acq On : 9 Dec 2020 9:24 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9120920A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 16:52:35 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	182053	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	766390	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.785	152	216838	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.433	65	220347	10.91	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 109.10%				
51) Toluene-d8 (SURR)	7.290	98	1017121	8.88	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 88.80%				
70) p-Bromofluorobenzene (...	10.082	95	382739	8.43	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 84.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.550	85	158535	12.34	ppb	#	1
3) Chloromethane	1.751	50	91107	6.90	ppb	#	90
4) Vinyl Chloride	1.829	62	138499	10.37	ppb	#	98
5) Bromomethane	2.146	94	14633m	13.47	ppb		
6) Chloroethane	2.253	64	97169	10.95	ppb	#	19
7) Trichlorofluoromethane	2.512	101	291650	12.34	ppb	#	19
8) Ethanol	2.652	45	6570m	749.96	ppb		
9) Freon-113	3.018	101	144463	13.15	ppb	#	1
10) 1,1-Dichloroethylene	3.009	61	228952	11.02	ppb	#	84
11) Acrolein	2.887	56	10784	13.45	ppb	#	1
12) Acetone	3.009	43	14083	11.58	ppb	#	1
13) Iodomethane	3.140	142	44549	8.83	ppb	#	78
14) Methyl Acetate	3.323	43	34260	11.95	ppb	#	1
15) Carbon disulfide	3.233	76	390296	11.70	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.538	59	8667m	14.33	ppb		
17) Methylene Chloride	3.459	49	149597	10.99	ppb	#	52
18) Acrylonitrile	3.637	53	18514	11.39	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	218172	10.87	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.727	73	388336	13.17	ppb	#	95
21) 1,1-Dichloroethane	4.134	63	300777	11.09	ppb	#	99
22) Vinyl Acetate	4.122	43	117100	11.95	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	364017	11.11	ppb	#	44
24) Ethyl-tert-Butyl ether...	4.511	59	484239	12.24	ppb	#	98
25) cis-1,2-Dichloroethylene	4.654	61	273435	11.09	ppb	#	80
26) 2-Butanone	4.625	72	7117	9.04	ppb	#	1
27) 2,2-Dichloropropane	4.668	77	327646	11.80	ppb	#	87
28) Tetrahydrofuran	4.912	42	10920	10.16	ppb	#	1
29) Bromochloromethane	4.878	49	85477	11.41	ppb	#	33
30) Chloroform	4.965	83	362919	12.08	ppb	#	93
31) 1,1,1-Trichloroethane	5.145	97	339038	11.84	ppb	#	26
32) Cyclohexane	5.247	56	258035m	11.18	ppb		
33) 1,1-Dichloropropylene	5.296	75	247609	11.63	ppb	#	83
35) Carbon Tetrachloride	5.308	117	276091	12.09	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.444	59	50776	115.57	ppb	#	1
37) 1,2-Dichloroethane	5.502	62	220139	12.05	ppb	#	98
38) Benzene	5.473	78	665670	11.48	ppb	#	94
39) tert-Amyl methyl ether...	5.595	73	439096	13.26	ppb	#	1
41) Trichloroethylene	6.104	95	199339	9.49	ppb	#	74
42) Methyl Cyclohexane	6.357	83	289709	10.33	ppb	#	70
43) Methyl Methacrylate	6.368	69	115578	10.01	ppb	#	98
44) Dibromomethane	6.418	93	84026	10.65	ppb	#	49
45) Bromodichloromethane	6.583	83	262118	9.68	ppb	#	94
46) 1,2-Dichloropropane	6.333	63	154290	9.01	ppb	#	84
47) 1,4-Dioxane	6.406	88	17340m	273.88	ppb		
49) cis-1,3-Dichloropropene	7.011	75	272159	9.32	ppb	#	76
50) 4-Methyl-2-Pentanone	7.121	43	45818	8.60	ppb	#	25
52) Toluene	7.359	91	765949	9.46	ppb		99

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915513.D
Acq On : 9 Dec 2020 9:24 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9120920A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 16:52:35 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

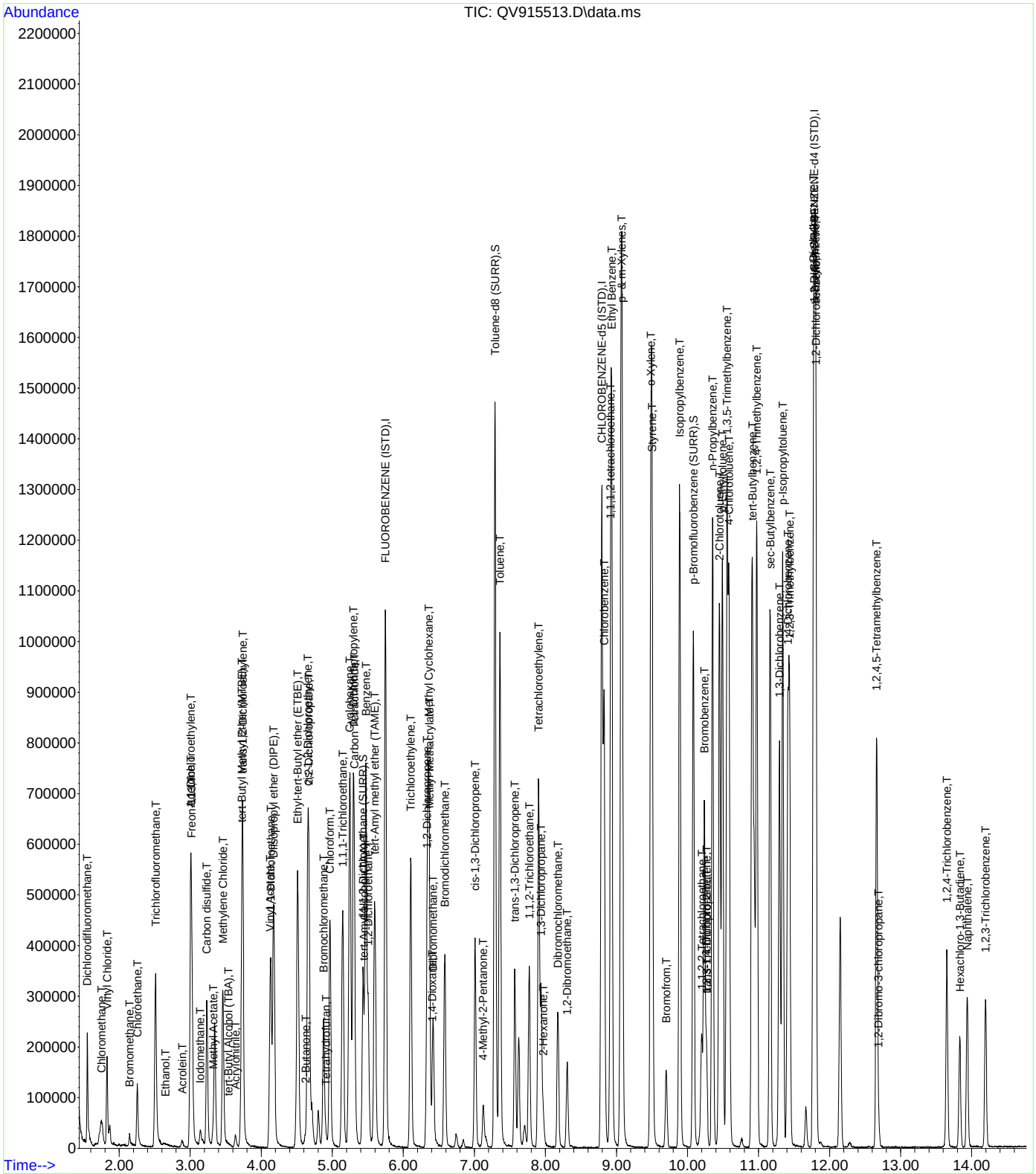
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
53) trans-1,3-Dichloropropene	7.569	75	230377	9.42	ppb	#	88
54) 1,1,2-Trichloroethane	7.772	97	116242	10.68	ppb	#	1
55) 1,3-Dichloropropane	7.938	76	203469	10.00	ppb	#	92
56) Tetrachloroethylene	7.903	166	224485	11.27	ppb	#	100
57) 2-Hexanone	7.967	43	30928	8.64	ppb	#	1
58) Dibromochloromethane	8.176	129	150316	10.88	ppb	#	83
59) 1,2-Dibromoethane	8.307	107	116553	10.91	ppb		87
60) Chlorobenzene	8.827	112	493985	10.17	ppb	#	85
61) 1,1,1,2-tetrachloroethane	8.917	131	195386	10.80	ppb	#	48
62) Ethyl Benzene	8.931	91	913617	9.52	ppb		98
63) p- & m-Xylenes	9.071	91	1517270	19.78	ppb		94
64) o-Xylene	9.484	91	762557	9.70	ppb		97
65) Styrene	9.504	104	555878	10.27	ppb	#	82
66) Bromofrom	9.701	173	76320	11.63	ppb	#	94
68) p-Ethyltoluene	10.492	105	825151	8.43	ppb	#	97
69) Isopropylbenzene	9.887	105	973240	8.48	ppb	#	92
71) 1,1,2,2-Tetrachloroethane	10.201	83	109865	9.16	ppb	#	65
72) Bromobenzene	10.236	77	340652	8.08	ppb		82
73) trans-1,4-Dichloro-2-b...	10.268	75	124763	7.67	ppb	#	63
74) 1,2,3-Trichloropropane	10.268	110	38378	9.49	ppb	#	1
75) n-Propylbenzene	10.352	91	1048091	8.31	ppb	#	89
76) 2-Chlorotoluene	10.451	91	675876	8.48	ppb		98
77) 4-Chlorotoluene	10.582	91	782940	8.48	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	792544	8.52	ppb	#	58
79) tert-Butylbenzene	10.913	119	730715	8.99	ppb	#	97
80) 1,2,4-Trimethylbenzene	10.974	105	772910	8.53	ppb		91
81) sec-Butylbenzene	11.166	105	841049	8.66	ppb	#	92
82) 1,3-Dichlorobenzene	11.297	146	355704	9.65	ppb		93
83) p-Isopropyltoluene	11.340	119	732304	8.89	ppb		94
84) 1,4-Dichlorobenzene	11.413	146	348295	9.56	ppb		92
85) 1,2,3-Trimethylbenzene	11.436	105	548415	8.88	ppb	#	88
86) p-Diethylbenzene	11.773	105	345953	8.40	ppb	#	56
87) 1,2-Dichlorobenzene	11.808	146	294028	9.78	ppb	#	100
88) n-Butylbenzene	11.800	91	659745m	8.74	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	21213	8.45	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.660	119	483893	8.39	ppb	#	89
91) 1,2,4-Trichlorobenzene	13.651	180	129866	9.55	ppb	#	16
92) Hexachloro-1,3-Butadiene	13.834	225	49601	8.17	ppb	#	65
93) Naphthalene	13.938	128	259730	9.11	ppb	#	94
94) 1,2,3-Trichlorobenzene	14.194	180	101050	9.88	ppb	#	96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915513.D
Acq On : 9 Dec 2020 9:24 am
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV9120920A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 16:52:35 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Instrument ID:	QVOA6	Calibration:	YL00001
Lab File ID:	QV621633.D	Calibration Date:	11/20/20 18:34
Sequence:	Y0L0937	Injection Date:	12/09/20
Lab Sample ID:	Y0L0937-CCV1	Injection Time:	09:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
1,1,1,2-Tetrachloroethane	A	10.0	9.09	0.2295375	0.2086676		-9.1	20	
1,1,1-Trichloroethane	A	10.0	10.0	1.306357	1.308939	0.1	0.2	20	
1,1,2,2-Tetrachloroethane	A	10.0	9.43	0.6162866	0.5811288	0.3	-5.7	20	
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	A	10.0	10.3	0.6809847	0.7008889	0.1	2.9	20	
1,1,2-Trichloroethane	A	10.0	9.15	0.1929303	0.176584	0.1	-8.5	20	
1,1-Dichloroethane	A	10.0	10.4	1.415478	1.472235	0.2	4.0	20	
1,1-Dichloroethylene	A	10.0	11.0	1.057228	1.163427	0.1	10.0	20	
1,2,3-Trichlorobenzene	A	10.0	8.08	0.4963658	0.4011323		-19.2	20	
1,2,3-Trichloropropane	A	10.0	9.15	0.1901096	0.173949		-8.5	20	
1,2,4-Trichlorobenzene	A	10.0	8.12	0.578141	0.4696543	0.2	-18.8	20	
1,2,4-Trimethylbenzene	A	10.0	9.58	2.231987	2.138156		-4.2	20	
1,2-Dibromo-3-chloropropane	A	10.0	7.73	0.1175679	9.091368E-02	0.05	-22.7	20	*
1,2-Dibromoethane	A	10.0	9.07	0.1941867	0.1762217	0.1	-9.3	20	
1,2-Dichlorobenzene	A	10.0	9.26	1.194742	1.10577	0.4	-7.4	20	
1,2-Dichloroethane	A	10.0	10.0	1.069096	1.072967	0.1	0.4	20	
1,2-Dichloropropane	A	10.0	9.21	0.2340526	0.215529	0.1	-7.9	20	
1,3,5-Trimethylbenzene	A	10.0	9.69	2.23969	2.169218		-3.1	20	
1,3-Dichlorobenzene	A	10.0	9.31	1.314833	1.223456	0.6	-6.9	20	
1,4-Dichlorobenzene	A	10.0	9.20	1.330022	1.223219	0.5	-8.0	20	
1,4-Dioxane	A	200	172	1.069055E-03	9.197045E-04		-14.0	20	
2-Butanone	A	10.0	10.1	0.0930853	8.247719E-02	0.1	1.4	20	
2-Hexanone	A	10.0	9.18	0.1177666	0.1080861	0.1	-8.2	20	
4-Methyl-2-pentanone	A	10.0	8.90	0.1711425	0.1522661	0.1	-11.0	20	
Acetone	A	10.0	8.69	0.1701982	0.1479779	0.1	-13.1	20	
Acrolein	A	10.0	10.0	7.938037E-02	7.938932E-02		0.01	20	
Acrylonitrile	A	10.0	10.0	0.1630164	0.1635895		0.4	20	
Benzene	A	10.0	10.5	3.092587	3.246921	0.5	5.0	20	
Bromochloromethane	A	10.0	10.5	0.5779861	0.6047426		4.6	20	
Bromodichloromethane	A	10.0	8.73	0.3277383	0.286079	0.2	-12.7	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Instrument ID:	QVOA6	Calibration:	YL00001
Lab File ID:	QV621633.D	Calibration Date:	11/20/20 18:34
Sequence:	Y0L0937	Injection Date:	12/09/20
Lab Sample ID:	Y0L0937-CCV1	Injection Time:	09:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Bromoform	A	10.0	8.07	0.1370361	0.110581	0.1	-19.3	20	
Bromomethane	A	10.0	4.75	0.343164	0.1870627	0.1	-52.5	20	*
Carbon disulfide	A	10.0	11.2	1.712286	1.909506	0.1	11.5	20	
Carbon tetrachloride	A	10.0	9.91	1.087495	1.077758	0.1	-0.9	20	
Chlorobenzene	A	10.0	9.37	0.6552856	0.6140238	0.5	-6.3	20	
Chloroethane	A	10.0	10.3	0.5368322	0.5536272	0.1	3.1	20	
Chloroform	A	10.0	9.94	1.473209	1.464846	0.2	-0.6	20	
Chloromethane	A	10.0	8.48	0.6998179	0.5932999	0.1	-15.2	20	
cis-1,2-Dichloroethylene	A	10.0	10.3	1.289996	1.329855	0.1	3.1	20	
cis-1,3-Dichloropropylene	A	10.0	9.06	0.3934467	0.3563303	0.2	-9.4	20	
Cyclohexane	A	10.0	8.43	1.42672	1.202458	0.1	-15.7	20	
Dibromochloromethane	A	10.0	8.59	0.2319565	0.1993641	0.1	-14.1	20	
Dibromomethane	A	10.0	8.93	0.1393895	0.1244513		-10.7	20	
Dichlorodifluoromethane	A	10.0	8.60	0.7600724	0.65376	0.1	-14.0	20	
Ethyl Benzene	A	10.0	9.88	1.079105	1.06658	0.1	-1.2	20	
Hexachlorobutadiene	A	10.0	8.15	0.1265933	0.1032129		-18.5	20	
Isopropylbenzene	A	10.0	9.86	2.961365	2.920067	0.1	-1.4	20	
Methyl acetate	A	10.0	10.0	0.3851335	0.3858451	0.1	0.2	20	
Methyl tert-butyl ether (MTBE)	A	10.0	10.2	2.129366	2.170191	0.1	1.9	20	
Methylcyclohexane	A	10.0	9.47	0.3791172	0.3589979	0.1	-5.3	20	
Methylene chloride	A	10.0	10.1	0.8938756	0.8991274	0.1	0.6	20	
n-Butylbenzene	A	10.0	9.63	1.712118	1.648962		-3.7	20	
n-Propylbenzene	A	10.0	9.97	3.234826	3.225983		-0.3	20	
o-Xylene	A	10.0	9.67	0.8644629	0.8360947	0.3	-3.3	20	
p- & m- Xylenes	A	20.0	20.1	0.8259909	0.8290191	0.1	0.4	20	
p-Isopropyltoluene	A	10.0	9.47	2.064033	1.954836		-5.3	20	
sec-Butylbenzene	A	10.0	9.60	2.32912	2.23547		-4.0	20	
Styrene	A	10.0	9.89	0.6581516	0.6507484	0.3	-1.1	20	
tert-Butyl alcohol (TBA)	A	10.0	9.14	0.0948794	7.515279E-02		-8.6	20	

FORM VII

CONTINUING CALIBRATION CHECK

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.	SDG:	20L0374
Client:	Walden Associates	Project:	IMPL0115.6 218 Lakeville
Instrument ID:	QVOA6	Calibration:	YL00001
Lab File ID:	QV621633.D	Calibration Date:	11/20/20 18:34
Sequence:	Y0L0937	Injection Date:	12/09/20
Lab Sample ID:	Y0L0937-CCV1	Injection Time:	09:29

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
tert-Butylbenzene	A	10.0	9.54	2.265034	2.159751		-4.6	20
Tetrachloroethylene	A	10.0	9.17	0.275721	0.252938	0.2	-8.3	20
Toluene	A	10.0	9.45	1.016547	0.9601524	0.4	-5.5	20
trans-1,2-Dichloroethylene	A	10.0	10.5	1.03767	1.087146	0.1	4.8	20
trans-1,3-Dichloropropylene	A	10.0	8.94	0.3469627	0.3100552	0.1	-10.6	20
trans-1,4-dichloro-2-butene	A	10.0	9.21	0.7695731	0.7086753		-7.9	20
Trichloroethylene	A	10.0	9.13	0.2567609	0.2344965	0.2	-8.7	20
Trichlorofluoromethane	A	10.0	10.3	1.157536	1.193911	0.1	3.1	20
Vinyl Chloride	A	10.0	10.2	0.7822203	0.7984135	0.1	2.1	20

Column to be used to flag Response Factor and %Diff/Drift values with an asterisk

* Values outside of QC limits

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621633.D
Acq On : 9 Dec 2020 9:29 am
InstName : QVOA6
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV6120920A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 16:57:03 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.716	70	295997	10.00	ppb	#	0.01
41) CHLOROBENZENE-d5 (ISTD)	8.749	117	1117859	10.00	ppb		0.01
70) 1,2-DICHLOROBENZENE-d4...	11.729	152	396530	10.00	ppb		0.01
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.405	65	355319	9.82	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 98.20%				
53) Toluene-d8 (SURR)	7.249	98	1541771	9.46	ppb		0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 94.60%				
73) p-Bromofluorobenzene (...	10.037	95	512616	10.42	ppb		0.02
Spiked Amount 10.000	Range 79 - 122		Recovery = 104.20%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.546	85	193511	8.60	ppb	#	1
3) Chloromethane	1.746	50	175615	8.48	ppb	#	43
4) Vinyl Chloride	1.818	62	236328	10.21	ppb	#	47
5) Bromomethane	2.133	94	55370	4.75	ppb		81
6) Chloroethane	2.241	64	163872	10.31	ppb		89
7) Trichlorofluoromethane	2.489	101	353394	10.31	ppb		98
8) Ethanol	2.625	45	34325	396.36	ppb	#	1
9) Freon-113	2.993	101	207461	10.29	ppb		98
10) 1,1-Dichloroethylene	2.981	61	344371	11.00	ppb		93
11) Acrolein	2.870	56	23499	10.00	ppb	#	83
12) Acetone	2.993	43	43801	8.69	ppb	#	95
13) Iodomethane	3.121	142	87994	4.20	ppb		96
14) Allyl Chloride	3.324	76	134818	10.52	ppb	#	100
15) Methyl Acetate	3.301	43	114209m	10.02	ppb		
16) Carbon disulfide	3.204	76	565208	11.15	ppb		100
17) tert-Butyl Alcohol (TBA)	3.521	59	22245	9.14	ppb	#	1
18) Methylene Chloride	3.443	49	266139	10.06	ppb	#	72
19) Acrylonitrile	3.632	53	48422	10.04	ppb	#	69
20) trans-1,2-Dichloroethy...	3.710	61	321792	10.48	ppb		96
21) tert-Butyl Methyl Ethe...	3.694	73	642370	10.19	ppb	#	88
22) 1,1-Dichloroethane	4.108	63	435777	10.40	ppb		99
23) Vinyl Acetate	4.094	43	348106	11.39	ppb	#	99
24) Diisopropyl ether (DIPE)	4.139	45	751470	10.40	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.475	59	753522	10.08	ppb	#	96
26) cis-1,2-Dichloroethylene	4.631	61	393633	10.31	ppb		95
27) 2-Butanone	4.598	72	24413	10.14	ppb	#	95
28) 2,2-Dichloropropane	4.640	77	394390	10.72	ppb	#	65
29) Tetrahydrofuran	4.871	42	47738	9.69	ppb	#	20
30) Bromochloromethane	4.854	49	179002	10.46	ppb	#	71
31) Chloroform	4.943	83	433590	9.94	ppb	#	84
32) 1,1,1-Trichloroethane	5.110	97	387442	10.02	ppb	#	82
33) Cyclohexane	5.202	56	355924m	8.43	ppb		
34) 1,1-Dichloropropylene	5.257	75	348039	10.59	ppb		85
36) Carbon Tetrachloride	5.266	117	319013	9.91	ppb	#	54
37) tert-Amyl alcohol (TAA)	5.419	59	169449	96.71	ppb		93
38) 1,2-Dichloroethane	5.480	62	317595	10.04	ppb		100
39) Benzene	5.438	78	961079	10.50	ppb	#	68
40) tert-Amyl methyl ether...	5.558	73	725506	10.55	ppb	#	100
42) Trichloroethylene	6.064	95	262134	9.13	ppb		95
43) Methyl Cyclohexane	6.303	83	401309	9.47	ppb		85
44) Methyl Methacrylate	6.340	69	218069m	9.10	ppb		
45) Dibromomethane	6.390	93	139119	8.93	ppb		96
46) Bromodichloromethane	6.557	83	319796	8.73	ppb		96
47) 1,2-Dichloropropane	6.303	63	240931	9.21	ppb	#	96
48) 1,4-Dioxane	6.365	88	20562m	172.06	ppb		
49) 2-nitropropane	6.732	43	48185	7.30	ppb	#	100
51) cis-1,3-Dichloropropene	6.977	75	398327	9.06	ppb		86
52) 4-Methyl-2-Pentanone	7.096	43	170212	8.90	ppb	#	82

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621633.D
Acq On : 9 Dec 2020 9:29 am
InstName : QVOA6
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV6120920A
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 09 16:57:03 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

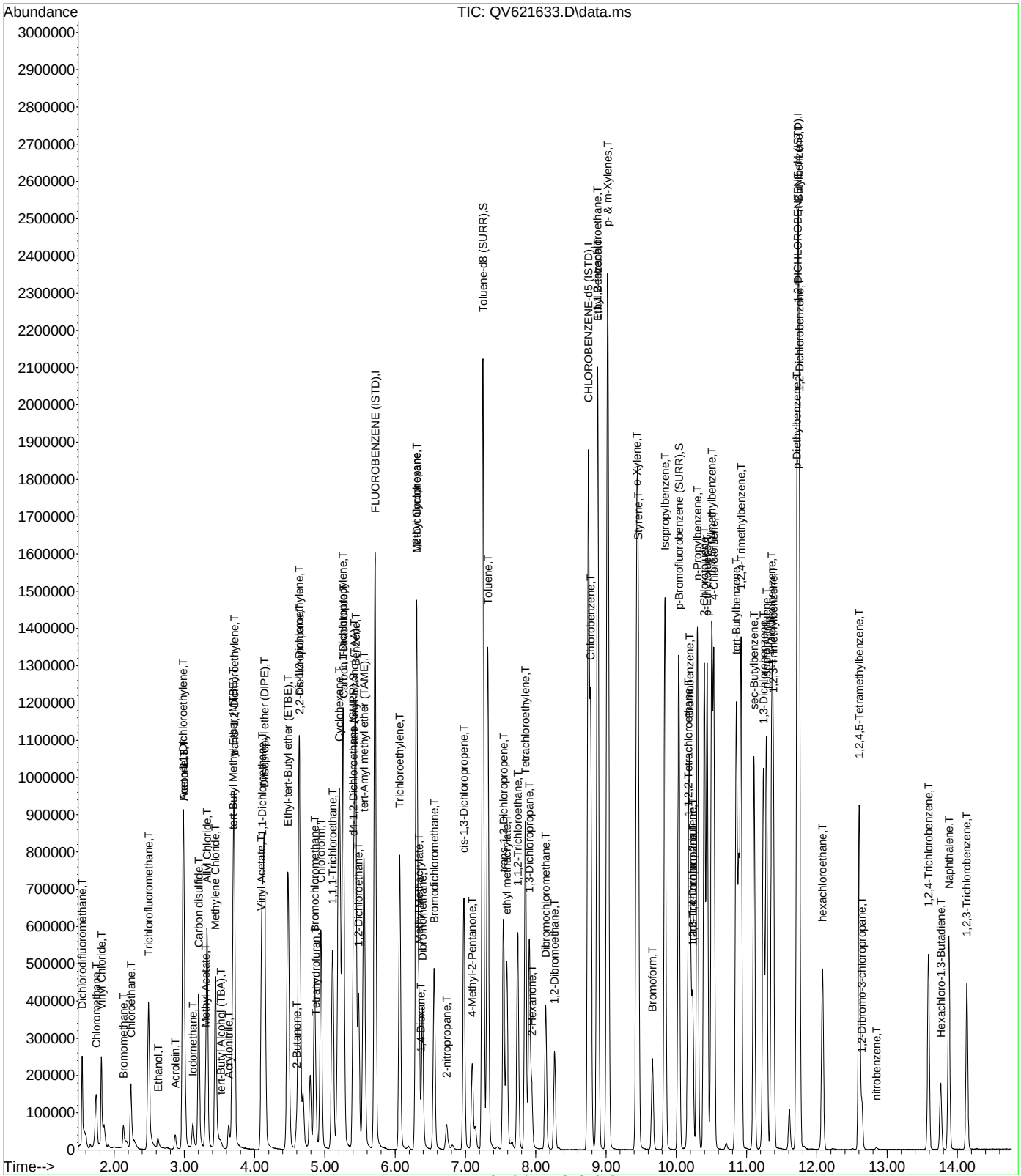
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) Toluene	7.319	91	1073315	9.45	ppb		99
55) trans-1,3-Dichloropropene	7.542	75	346598	8.94	ppb		100
56) ethyl methacrylate	7.589	69	279470	9.24	ppb	#	100
57) 1,1,2-Trichloroethane	7.745	97	197396	9.15	ppb		94
58) 1,3-Dichloropropane	7.909	76	337869	9.21	ppb	#	62
59) Tetrachloroethylene	7.853	166	282749	9.17	ppb	#	77
60) 2-Hexanone	7.945	43	120825	9.18	ppb	#	11
61) Dibromochloromethane	8.142	129	222861	8.59	ppb		98
62) 1,2-Dibromoethane	8.268	107	196991	9.07	ppb		98
63) Chlorobenzene	8.782	112	686392	9.37	ppb		94
64) 1,1,1,2-tetrachloroethane	8.880	131	233261	9.09	ppb		99
65) Ethyl Benzene	8.883	91	1192286	9.88	ppb		98
66) p- & m-Xylenes	9.024	91	1853453	20.07	ppb		97
67) o-Xylene	9.436	91	934636	9.67	ppb		100
68) Styrene	9.458	104	727445	9.89	ppb		97
69) Bromoform	9.662	173	123614	8.07	ppb		99
71) p-Ethyltoluene	10.438	105	942461	9.43	ppb	#	82
72) Isopropylbenzene	9.840	105	1157894	9.86	ppb		98
74) 1,1,2,2-Tetrachloroethane	10.171	83	230435	9.43	ppb	#	100
75) Bromobenzene	10.187	77	504945	10.24	ppb		82
76) trans-1,4-Dichloro-2-b...	10.229	75	281011	9.21	ppb	#	54
77) 1,2,3-Trichloropropane	10.232	110	68976	9.15	ppb	#	1
78) n-Propylbenzene	10.302	91	1279199	9.97	ppb		100
79) 2-Chlorotoluene	10.399	91	876904	9.86	ppb		99
80) 4-Chlorotoluene	10.532	91	891287	9.58	ppb		97
81) 1,3,5-Trimethylbenzene	10.505	105	860160	9.69	ppb	#	64
82) tert-Butylbenzene	10.855	119	856406	9.54	ppb		93
83) 1,2,4-Trimethylbenzene	10.922	105	847843	9.58	ppb		98
84) sec-Butylbenzene	11.106	105	886431	9.60	ppb		99
85) 1,3-Dichlorobenzene	11.242	146	485137	9.31	ppb		97
86) p-Isopropyltoluene	11.284	119	775151	9.47	ppb		98
87) 1,4-Dichlorobenzene	11.356	146	485043	9.20	ppb		97
88) 1,2,3-Trimethylbenzene	11.381	105	628786	9.00	ppb		99
89) p-Diethylbenzene	11.715	105	350934	9.04	ppb	#	97
90) 1,2-Dichlorobenzene	11.751	146	438471	9.26	ppb	#	87
91) n-Butylbenzene	11.743	91	653863m	9.63	ppb		
92) hexachloroethane	12.082	117	110566	8.00	ppb	#	100
93) 1,2-Dibromo-3-chloropr...	12.641	75	36050	7.73	ppb		91
94) 1,2,4,5-Tetramethylben...	12.602	119	585622	8.67	ppb		99
95) nitrobenzene	12.847	77	2565	5.05	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.587	180	186232	8.12	ppb		97
97) Hexachloro-1,3-Butadiene	13.765	225	40927	8.15	ppb		98
98) Naphthalene	13.879	128	519362	8.40	ppb		99
99) 1,2,3-Trichlorobenzene	14.133	180	159061	8.08	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621633.D
Acq On : 9 Dec 2020 9:29 am
InstName : QVOA6
Operator : TMP
Sample : SEQ-CCV1
Misc : QBQV6120920A
ALS Vial : 2 Sample Multiplier: 1

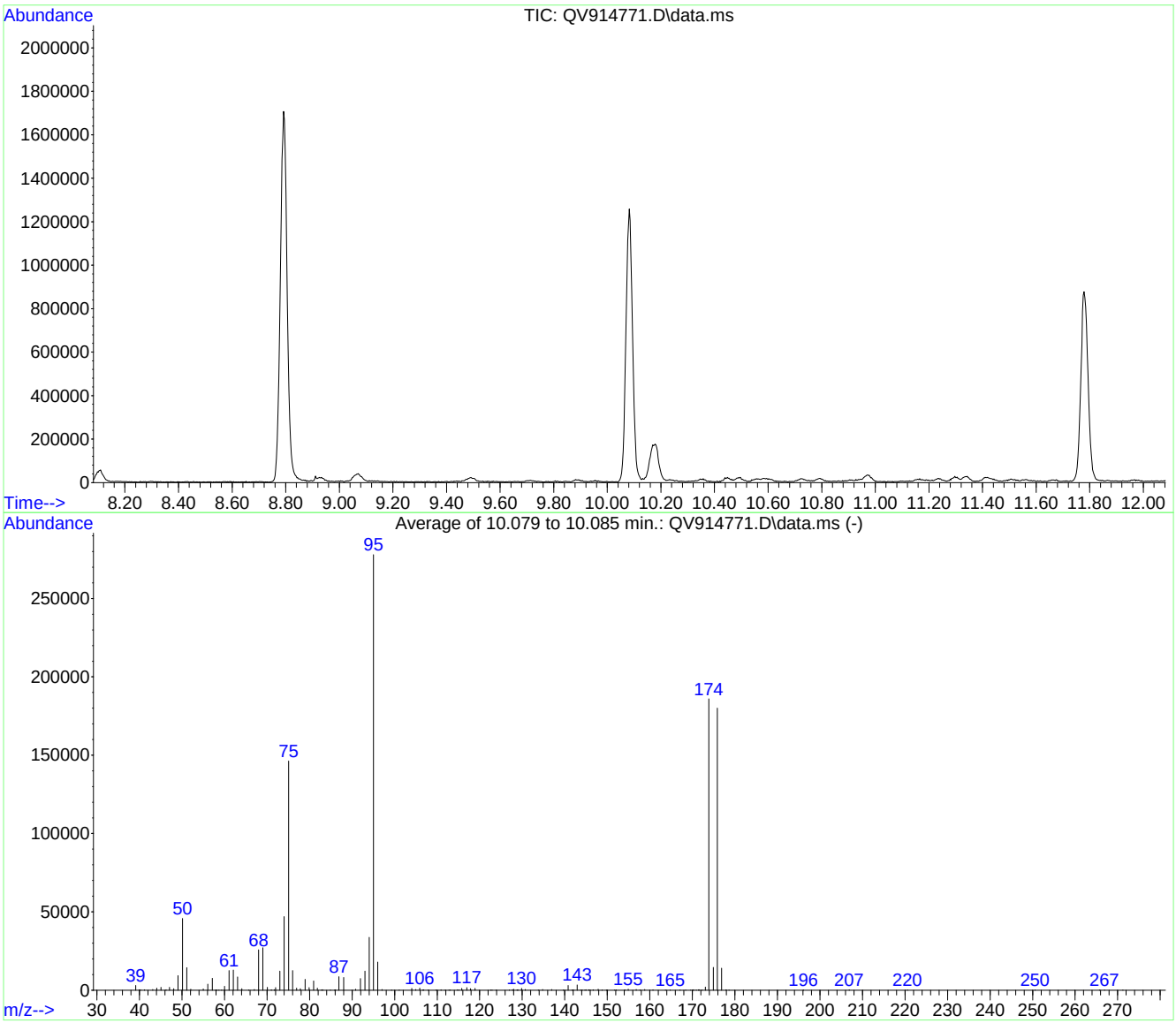
Quant Time: Dec 09 16:57:03 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\data\102620A\
Data File : QV914771.D
Acq On : 26 Oct 2020 10:19 am
Operator : TMP
Misc : QBQV9102620A
Sample : SEQ-TUN1 Inst : QVOA9
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ9LO030.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Thu Oct 29 08:38:50 2020



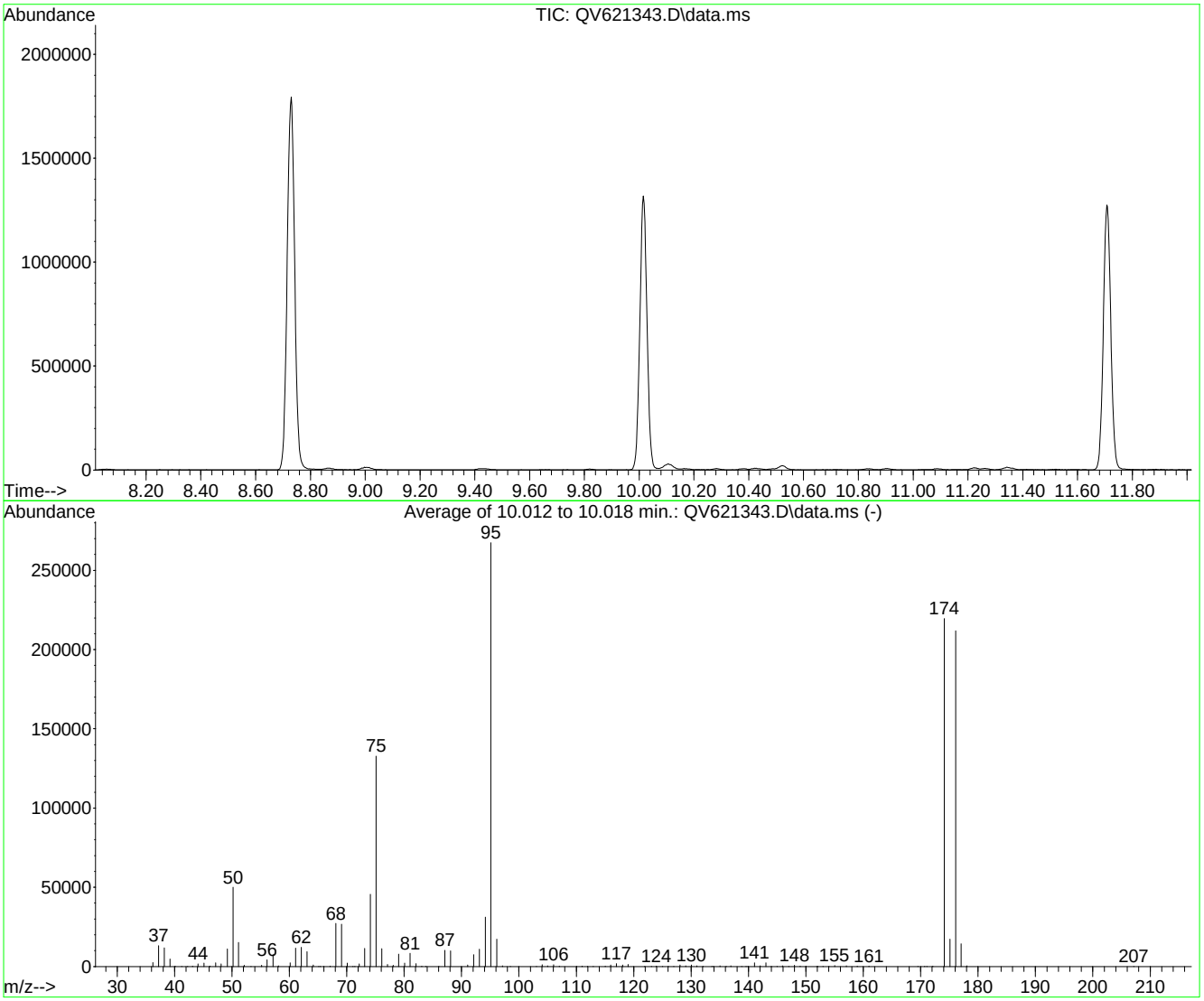
Spectrum Information: Average of 10.079 to 10.085 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	16.4	45680	PASS
75	95	30	60	52.6	146325	PASS
95	95	100	100	100.0	277931	PASS
96	95	5	9	6.5	18015	PASS
173	174	0.00	2	1.1	2045	PASS
174	95	50	100	66.9	185963	PASS
175	174	5	9	7.8	14525	PASS
176	174	95	101	96.8	180075	PASS
177	176	5	9	7.8	13959	PASS

Data Path : C:\msdchem\1\DATA\112020A\
Data File : QV621343.D
Acq On : 20 Nov 2020 6:34 pm
Operator : TMP
InstName : QVOA6
Sample : SEQ-TUN1
Misc : QBQV6112020A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\2\METHODS\VQ6LO074.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Wed Nov 25 14:43:17 2020



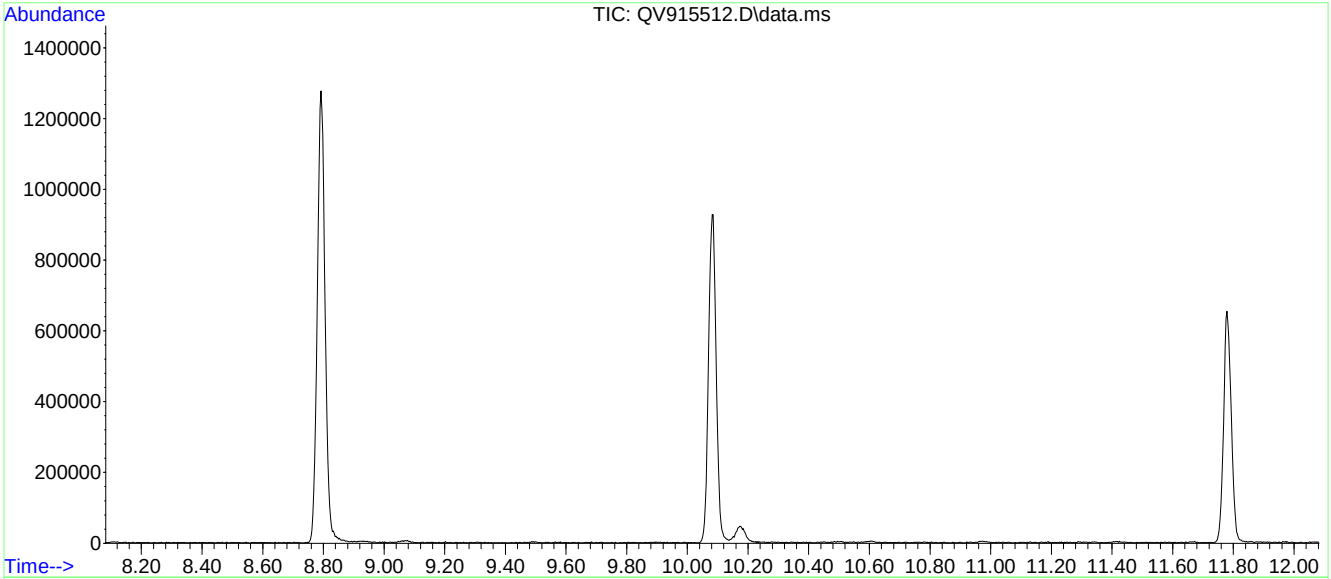
Spectrum Information: Average of 10.012 to 10.018 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	50043	PASS
75	95	30	60	49.6	132757	PASS
95	95	100	100	100.0	267392	PASS
96	95	5	9	6.5	17315	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	82.1	219541	PASS
175	174	5	9	7.9	17317	PASS
176	174	95	101	96.5	211883	PASS
177	176	5	9	6.8	14329	PASS

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915512.D
Acq On : 9 Dec 2020 8:58 am
Operator : TMP
Misc : QBQV9120920A
Sample : SEQ-TUN1 Inst : QVOA9
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\methods\VQ9LO030.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Thu Oct 29 08:38:50 2020



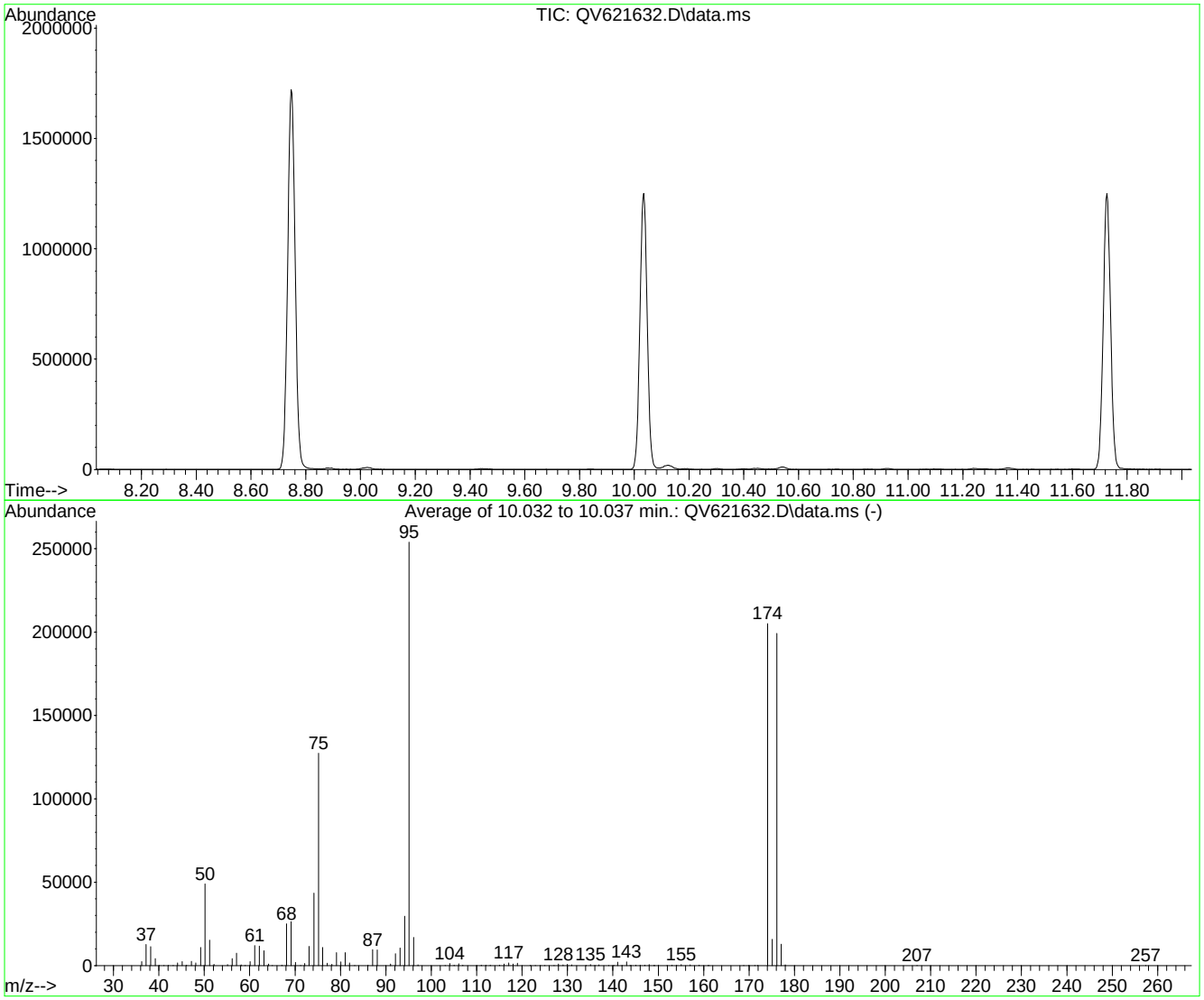
Spectrum Information: Average of 10.079 to 10.085 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.6	31128	PASS
75	95	30	60	52.6	104813	PASS
95	95	100	100	100.0	199083	PASS
96	95	5	9	6.7	13300	PASS
173	174	0.00	2	1.0	1616	PASS
174	95	50	100	78.1	155392	PASS
175	174	5	9	7.9	12325	PASS
176	174	95	101	97.9	152085	PASS
177	176	5	9	7.0	10598	PASS

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621632.D
Acq On : 9 Dec 2020 9:03 am
Operator : TMP
InstName : QVOA6
Sample : SEQ-TUN1
Misc : QBQV6120920A
ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\2\METHODS\VQ6LO074.M
Title : Volatile Organics EPA 8260C-Waters
Last Update : Wed Nov 25 14:39:48 2020



Spectrum Information: Average of 10.032 to 10.037 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	48992	PASS
75	95	30	60	50.2	127432	PASS
95	95	100	100	100.0	253909	PASS
96	95	5	9	6.6	16855	PASS
173	174	0.00	2	0.0	0	PASS
174	95	50	100	80.8	205035	PASS
175	174	5	9	7.7	15721	PASS
176	174	95	101	97.2	199232	PASS
177	176	5	9	6.5	12877	PASS

METHOD BLANK RAW DATA

SDG: 20L0374
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00509-BLK1	File ID:	QV915517.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:16	Instrument:	QVOA9		
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.50	U
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00509-BLK1	File ID:	QV915517.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:16	Instrument:	QVOA9		
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00509-BLK1	File ID:	QV915517.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:16	Instrument:	QVOA9		
Batch:	BL00509	Sequence:	Y0L0933	Calibration:	YJ00026

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	10.6	106	69 - 130	
SURR: Toluene-d8	10.0	9.09	90.9	81 - 117	
SURR: p-Bromofluorobenzene	10.0	8.99	89.9	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	190946	5.746	182053	5.746	
ISTD: Chlorobenzene-d5	757273	8.792	766390	8.792	
ISTD: 1,2-Dichlorobenzene-d4	199580	11.782	216838	11.785	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915517.D
Acq On : 9 Dec 2020 11:16 am
Operator : TMP
Sample : BL00509-BLK1
Misc : QBQV9120920A
ALS Vial : 6 Sample Multiplier: 1

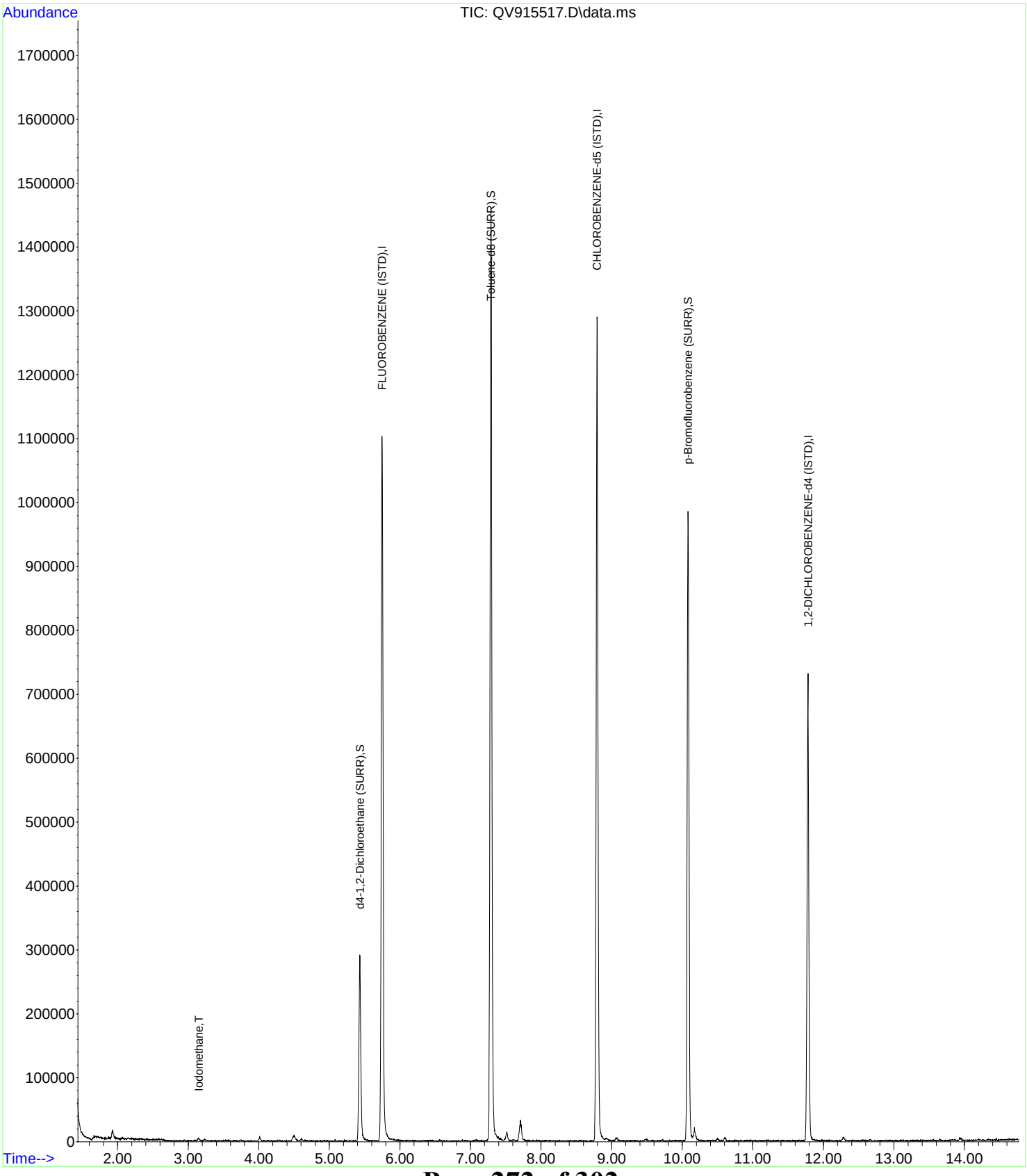
Quant Time: Dec 09 11:40:34 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

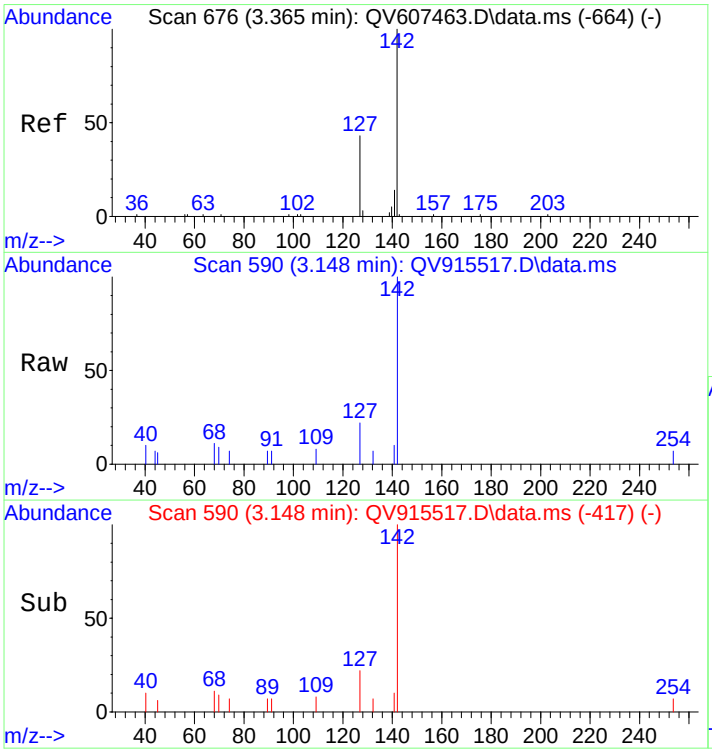
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) FLUOROBENZENE (ISTD)	5.746	70	190946	10.00	ppb	# 0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	757273	10.00	ppb	0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	199580	10.00	ppb	0.00
System Monitoring Compounds						
34) d4-1,2-Dichloroethane ...	5.435	65	223541	10.55	ppb	0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 105.50%			
51) Toluene-d8 (SURR)	7.289	98	1029501	9.09	ppb	0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 90.90%			
70) p-Bromofluorobenzene (...	10.082	95	375899	8.99	ppb	0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 89.90%			
Target Compounds						Qvalue
13) Iodomethane	3.148	142	4212m	0.82	ppb	

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

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915517.D
Acq On : 9 Dec 2020 11:16 am
Operator : TMP
Sample : BL00509-BLK1
Misc : QBQV9120920A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 09 11:40:34 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

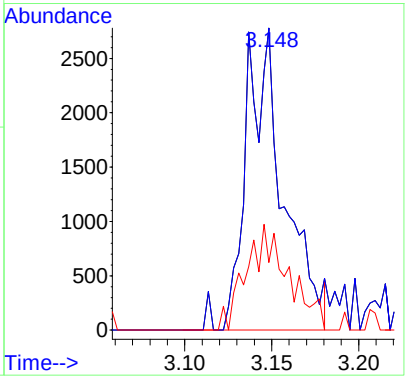




#13
Iodomethane
Concen: 0.82 ppb m
RT: 3.148 min Scan# 590
Delta R.T. 0.002 min
Lab File: QV915517.D
Acq: 9 Dec 2020 11:16 am

Tgt Ion:142 Resp: 4212

Ion	Ratio	Lower	Upper
142	100		
142	50.3	64.2	96.2#
127	38.6	11.2	33.5#



METHOD BLANK RAW DATA

SDG: 20L0374
CLASS: VOA
METHOD: EPA 8260C

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00510-BLK1	File ID:	QV621637.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:22	Instrument:	QVOA6		
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001

CAS NO.	COMPOUND	CONC. (ug/L)	Q
630-20-6	1,1,1,2-Tetrachloroethane	0.50	U
71-55-6	1,1,1-Trichloroethane	0.50	U
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	0.50	U
79-00-5	1,1,2-Trichloroethane	0.50	U
75-34-3	1,1-Dichloroethane	0.50	U
75-35-4	1,1-Dichloroethylene	0.50	U
87-61-6	1,2,3-Trichlorobenzene	0.50	U
96-18-4	1,2,3-Trichloropropane	0.50	U
120-82-1	1,2,4-Trichlorobenzene	0.50	U
95-63-6	1,2,4-Trimethylbenzene	0.50	U
96-12-8	1,2-Dibromo-3-chloropropane	0.50	U
106-93-4	1,2-Dibromoethane	0.50	U
95-50-1	1,2-Dichlorobenzene	0.50	U
107-06-2	1,2-Dichloroethane	0.50	U
78-87-5	1,2-Dichloropropane	0.50	U
108-67-8	1,3,5-Trimethylbenzene	0.50	U
541-73-1	1,3-Dichlorobenzene	0.50	U
106-46-7	1,4-Dichlorobenzene	0.50	U
123-91-1	1,4-Dioxane	40	U
78-93-3	2-Butanone	0.47	J
591-78-6	2-Hexanone	0.50	U
108-10-1	4-Methyl-2-pentanone	0.50	U
67-64-1	Acetone	2.0	U
107-02-8	Acrolein	0.50	U
107-13-1	Acrylonitrile	0.50	U
71-43-2	Benzene	0.50	U
74-97-5	Bromochloromethane	0.50	U
75-27-4	Bromodichloromethane	0.50	U
75-25-2	Bromoform	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00510-BLK1	File ID:	QV621637.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:22	Instrument:	QVOA6		
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001

CAS NO.	COMPOUND	CONC. (ug/L)	Q
74-83-9	Bromomethane	0.50	U
75-15-0	Carbon disulfide	0.50	U
56-23-5	Carbon tetrachloride	0.50	U
108-90-7	Chlorobenzene	0.50	U
75-00-3	Chloroethane	0.50	U
67-66-3	Chloroform	0.50	U
74-87-3	Chloromethane	0.50	U
156-59-2	cis-1,2-Dichloroethylene	0.50	U
10061-01-5	cis-1,3-Dichloropropylene	0.50	U
110-82-7	Cyclohexane	0.50	U
124-48-1	Dibromochloromethane	0.50	U
74-95-3	Dibromomethane	0.50	U
75-71-8	Dichlorodifluoromethane	0.50	U
100-41-4	Ethyl Benzene	0.50	U
87-68-3	Hexachlorobutadiene	0.50	U
98-82-8	Isopropylbenzene	0.50	U
79-20-9	Methyl acetate	0.50	U
1634-04-4	Methyl tert-butyl ether (MTBE)	0.50	U
108-87-2	Methylcyclohexane	0.50	U
75-09-2	Methylene chloride	2.0	U
104-51-8	n-Butylbenzene	0.50	U
103-65-1	n-Propylbenzene	0.50	U
95-47-6	o-Xylene	0.50	U
179601-23-1	p- & m- Xylenes	1.0	U
99-87-6	p-Isopropyltoluene	0.50	U
135-98-8	sec-Butylbenzene	0.50	U
100-42-5	Styrene	0.50	U
75-65-0	tert-Butyl alcohol (TBA)	1.0	U
98-06-6	tert-Butylbenzene	0.50	U
127-18-4	Tetrachloroethylene	0.50	U

FORM I

METHOD BLANK DATA SHEET

EPA 8260C

Laboratory:	York Analytical Laboratories, Inc.			SDG:	20L0374
Client:	Walden Associates			Project:	IMPL0115.6 218 Lakeville
Matrix:	Water	Laboratory ID:	BL00510-BLK1	File ID:	QV621637.D
Prepared:	12/09/20 06:47	Preparation:	EPA 5030B	Initial/Final:	25 mL / 25 mL
Analyzed:	12/09/20 11:22	Instrument:	QVOA6		
Batch:	BL00510	Sequence:	Y0L0937	Calibration:	YL00001

CAS NO.	COMPOUND	CONC. (ug/L)	Q
108-88-3	Toluene	0.50	U
156-60-5	trans-1,2-Dichloroethylene	0.50	U
10061-02-6	trans-1,3-Dichloropropylene	0.50	U
110-57-6	trans-1,4-dichloro-2-butene	0.50	U
79-01-6	Trichloroethylene	0.50	U
75-69-4	Trichlorofluoromethane	0.50	U
75-01-4	Vinyl Chloride	0.50	U
1330-20-7	Xylenes, Total	1.5	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
SURR: 1,2-Dichloroethane-d4	10.0	9.87	98.7	69 - 130	
SURR: Toluene-d8	10.0	9.56	95.6	81 - 117	
SURR: p-Bromofluorobenzene	10.0	10.6	106	79 - 122	

INTERNAL STANDARD	AREA	RT	REF AREA	REF RT	Q
ISTD: Fluorobenzene	292916	5.714	295997	5.716	
ISTD: Chlorobenzene-d5	1105415	8.752	1117859	8.749	
ISTD: 1,2-Dichlorobenzene-d4	378307	11.732	396530	11.729	

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621637.D
Acq On : 9 Dec 2020 11:22 am
InstName : QVOA6
Operator : TMP
Sample : BL00510-BLK1
Misc : QBQV6120920A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 10:18:19 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

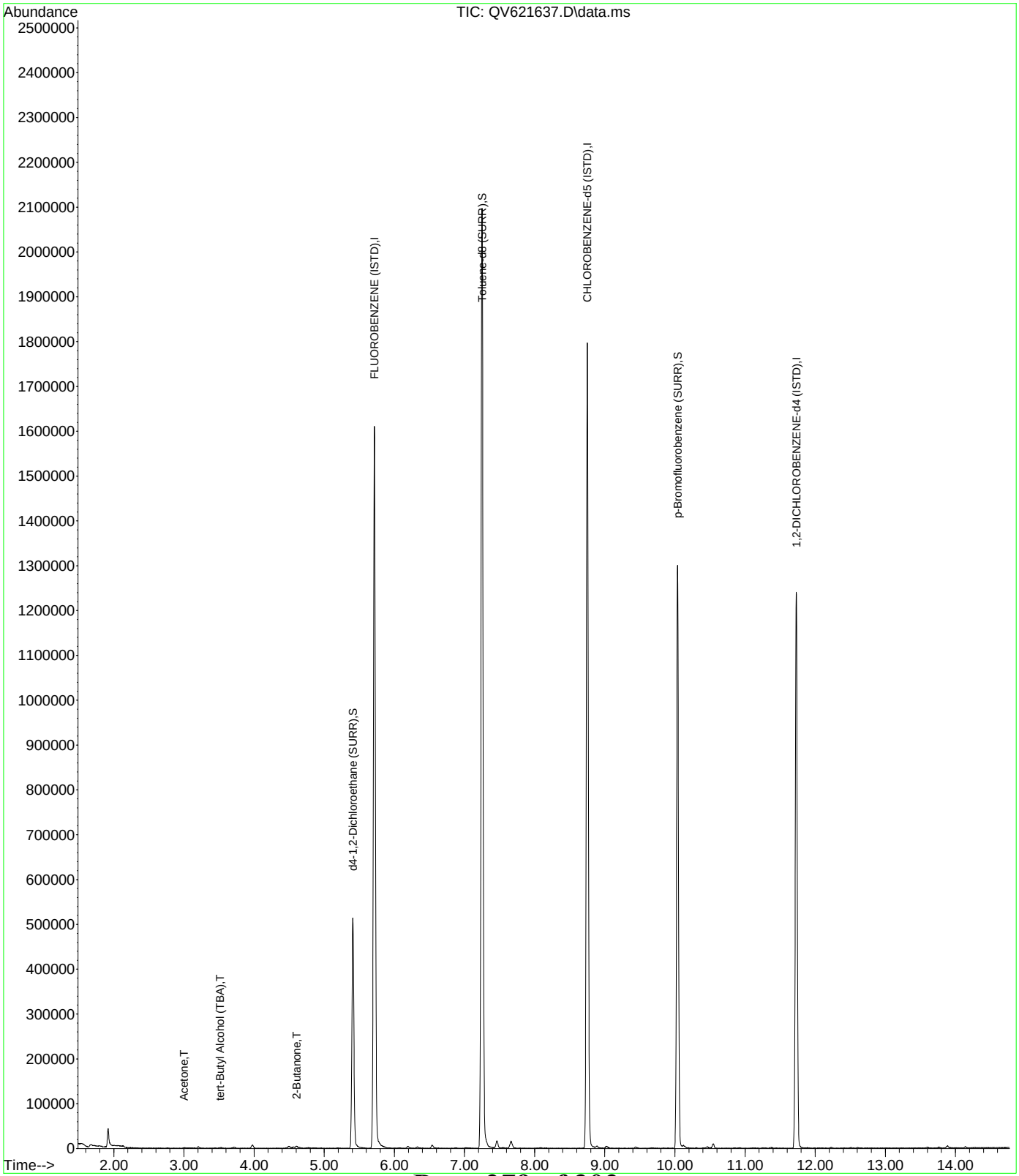
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.714	70	292916	10.00	ppb	#	0.01
41) CHLOROBENZENE-d5 (ISTD)	8.752	117	1105415	10.00	ppb		0.01
70) 1,2-DICHLOROBENZENE-d4...	11.732	152	378307	10.00	ppb		0.02
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.408	65	353465	9.87	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 98.70%				
53) Toluene-d8 (SURR)	7.250	98	1540313	9.56	ppb		0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 95.60%				
73) p-Bromofluorobenzene (...	10.037	95	494931	10.55	ppb		0.02
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.50%				
Target Compounds							Qvalue
12) Acetone	3.001	43	1797	0.36	ppb		99
17) tert-Butyl Alcohol (TBA)	3.516	59	975	0.41	ppb	#	1
27) 2-Butanone	4.606	72	1563	0.47	ppb	#	95

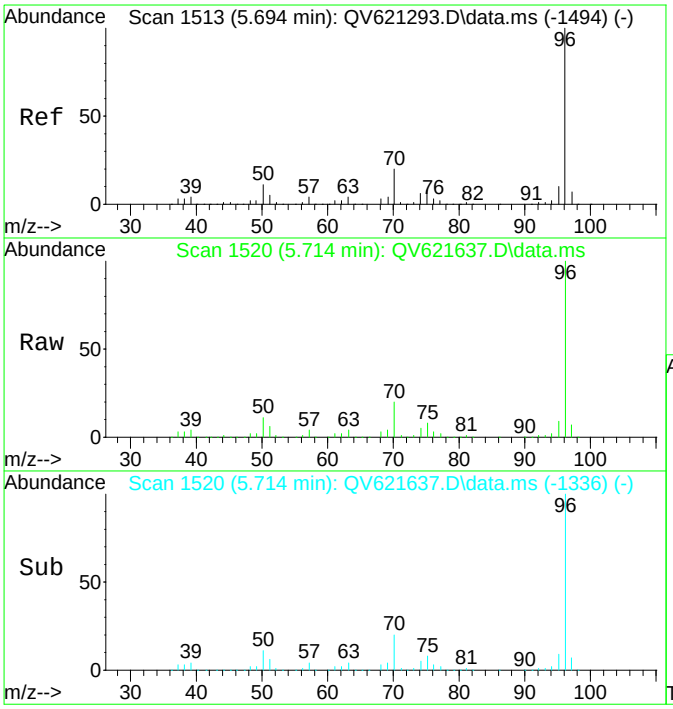
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621637.D
Acq On : 9 Dec 2020 11:22 am
InstName : QVOA6
Operator : TMP
Sample : BL00510-BLK1
Misc : QBQV6120920A
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 11 10:18:19 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

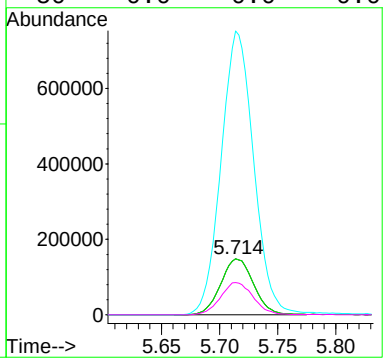


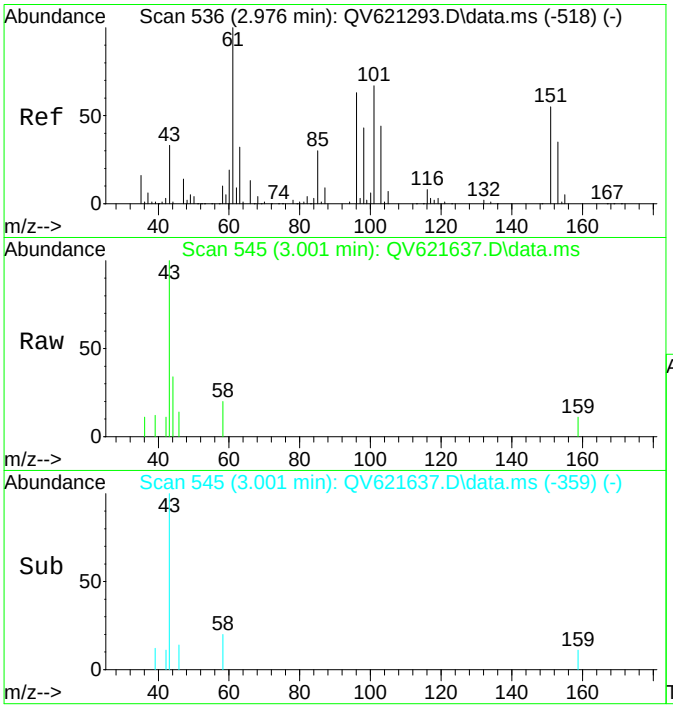


#1
FLUOROBENZENE (ISTD)
Concen: 10.00 ppb
RT: 5.714 min Scan# 1520
Delta R.T. 0.012 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion: 70 Resp: 292916

Ion	Ratio	Lower	Upper
70	100		
70	100.0	65.0	135.0
96	504.4	341.1	708.3
50	0.0	0.0	0.0

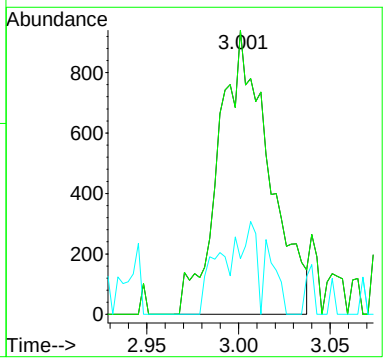


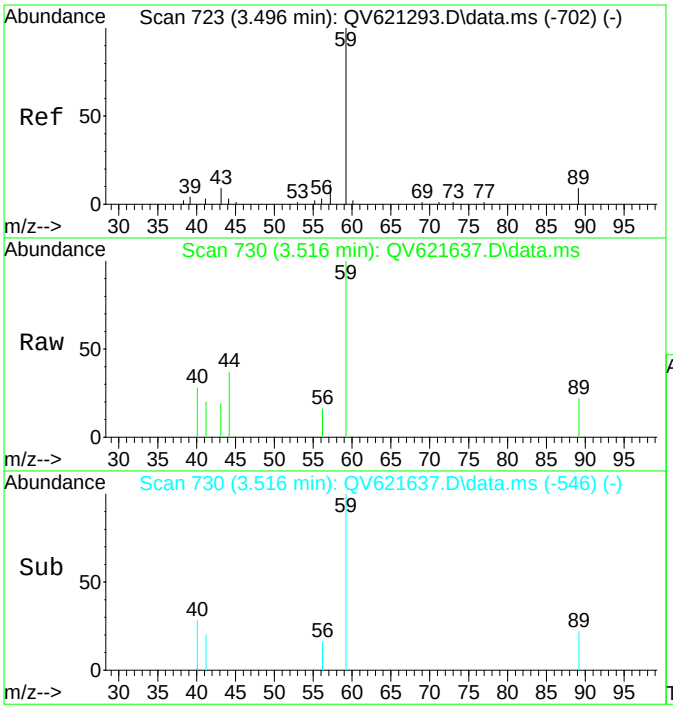


#12
Acetone
Concen: 0.36 ppb
RT: 3.001 min Scan# 545
Delta R.T. 0.017 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion: 43 Resp: 1797

Ion	Ratio	Lower	Upper
43	100		
43	100.0	80.0	120.0
58	9.5	6.0	18.1

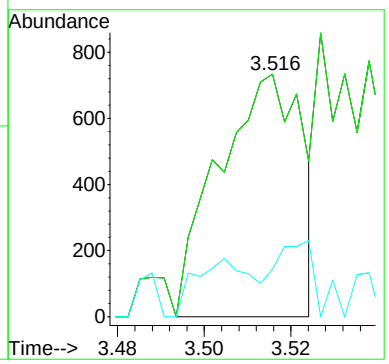


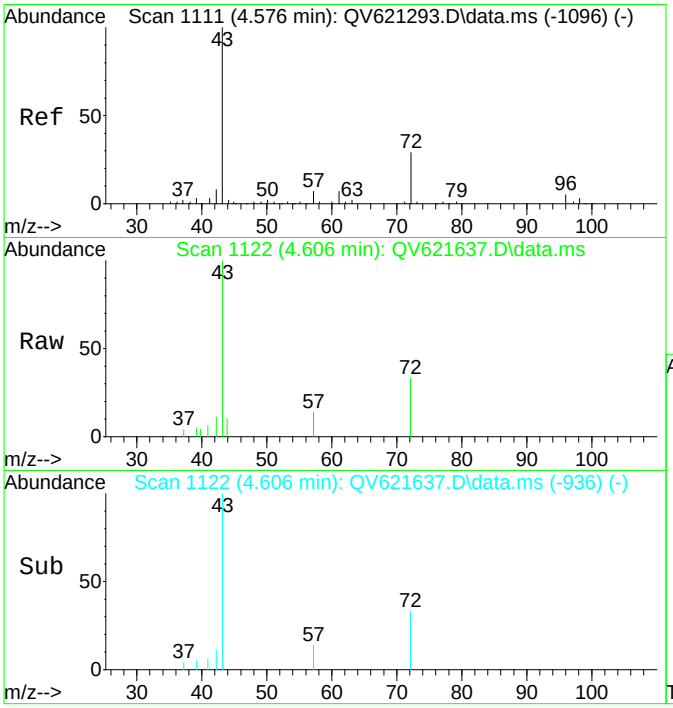


#17
tert-Butyl Alcohol (TBA)
Concen: 0.41 ppb
RT: 3.516 min Scan# 730
Delta R.T. 0.012 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion: 59 Resp: 975

Ion	Ratio	Lower	Upper
59	100		
59	100.0	19.3	40.1#
41	16.2	0.0	0.0#

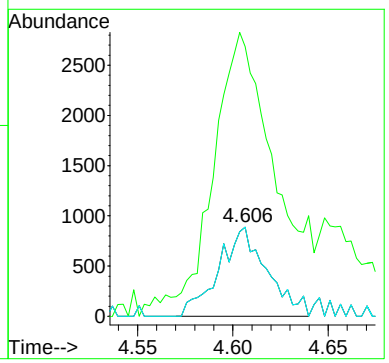


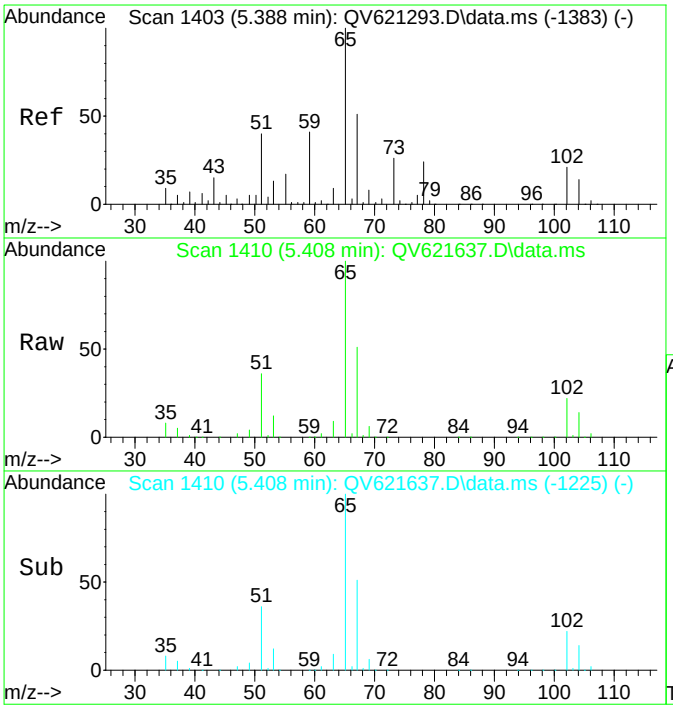


#27
2-Butanone
Concen: 0.47 ppb
RT: 4.606 min Scan# 1122
Delta R.T. 0.017 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion: 72 Resp: 1563

Ion	Ratio	Lower	Upper
72	100		
43	375.6	0.0	0.0#
72	100.0	47.4	142.3

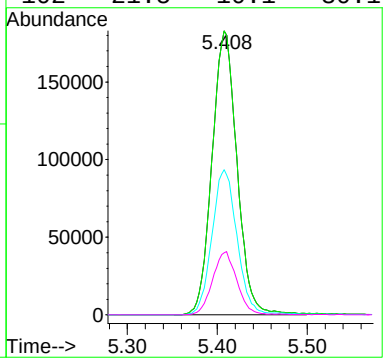


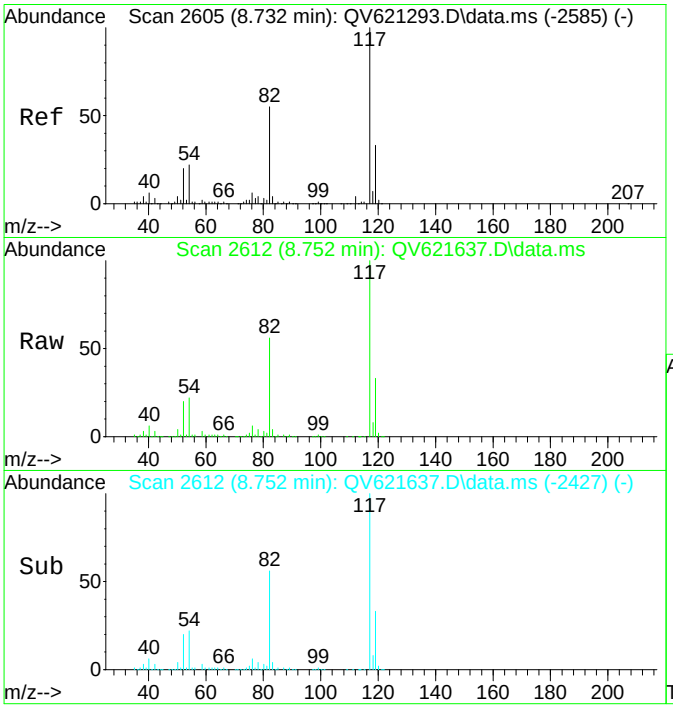


#35
d4-1,2-Dichloroethane (SURR)
Concen: 9.87 ppb
RT: 5.408 min Scan# 1410
Delta R.T. 0.014 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion: 65 Resp: 353465

Ion	Ratio	Lower	Upper
65	100		
65	100.0	65.0	135.0
67	51.3	34.0	70.6
102	21.5	10.1	30.1

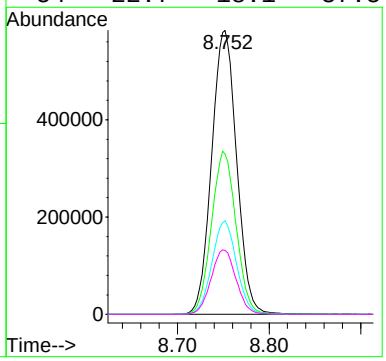


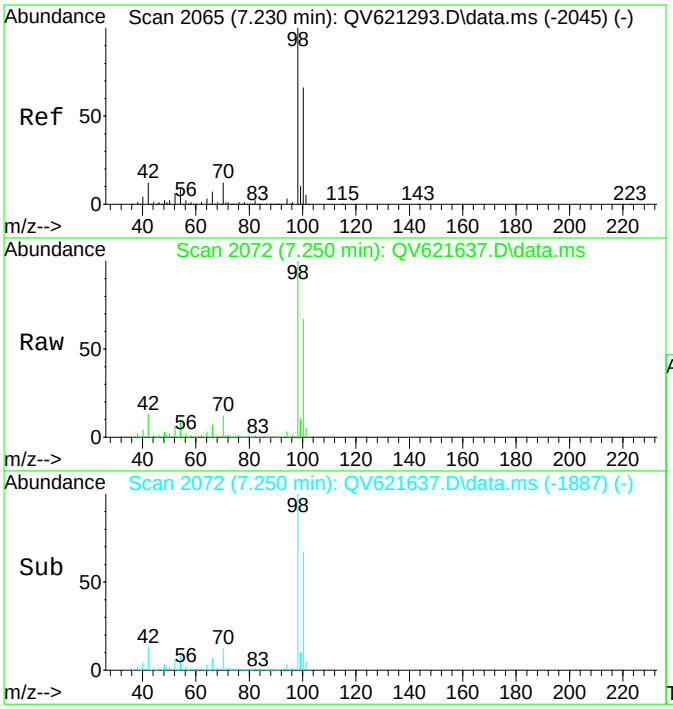


#41
CHLOROBENZENE-d5 (ISTD)
Concen: 10.00 ppb
RT: 8.752 min Scan# 2612
Delta R.T. 0.014 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion:117 Resp: 1105415

Ion	Ratio	Lower	Upper
117	100		
82	56.5	34.5	71.7
119	32.4	20.9	43.3
54	22.7	18.1	37.5

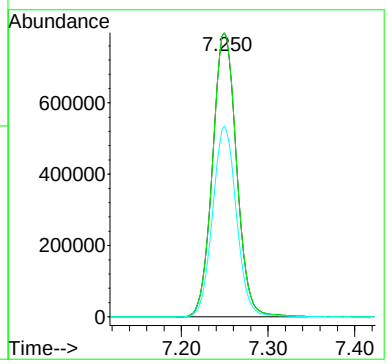


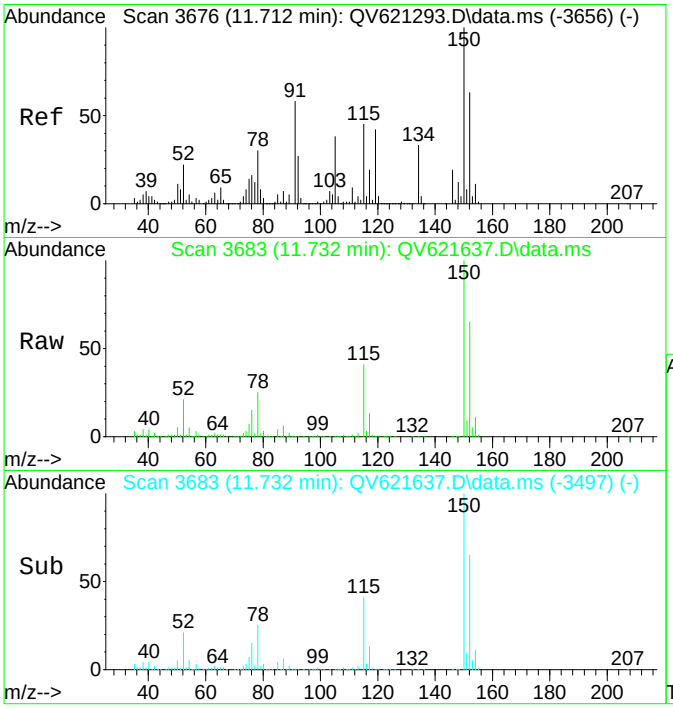


#53
Toluene-d8 (SURR)
Concen: 9.56 ppb
RT: 7.250 min Scan# 2072
Delta R.T. 0.015 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion: 98 Resp: 1540313

Ion	Ratio	Lower	Upper
98	100		
98	100.0	65.0	135.0
100	66.4	44.2	91.8

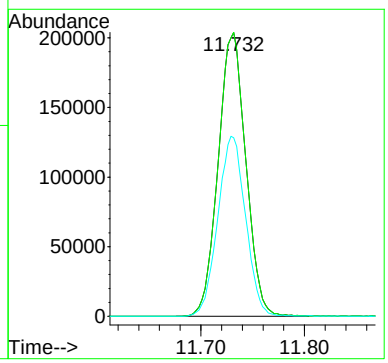


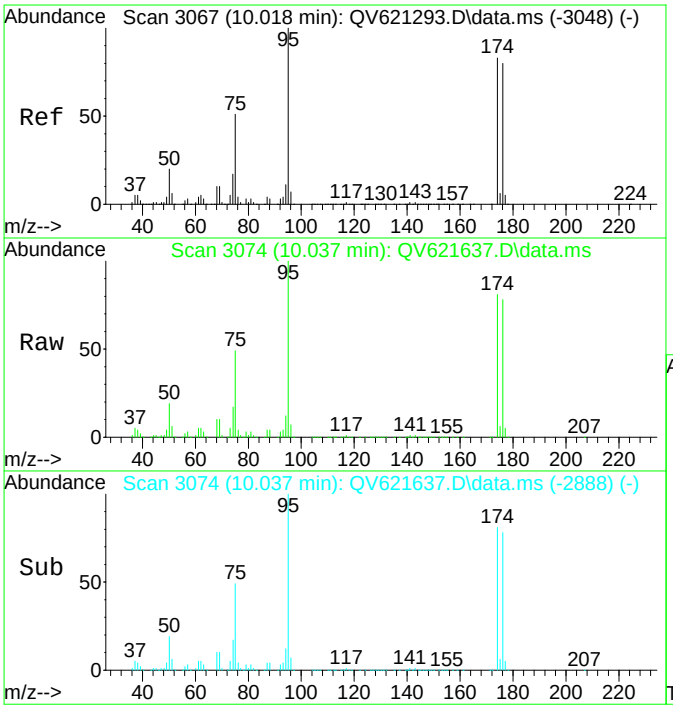


#70
1,2-DICHLOROBENZENE-d4 (ISTD)
Concen: 10.00 ppb
RT: 11.732 min Scan# 3683
Delta R.T. 0.017 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion:152 Resp: 378307

Ion	Ratio	Lower	Upper
152	100		
152	100.0	50.0	150.0
115	63.7	29.8	89.3

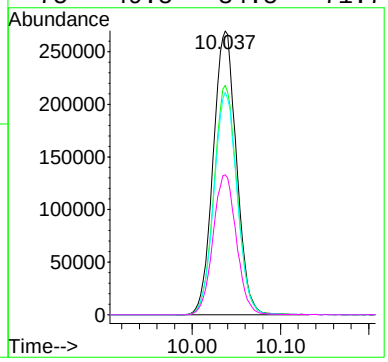




#73
p-Bromofluorobenzene (SURR)
Concen: 10.55 ppb
RT: 10.037 min Scan# 3074
Delta R.T. 0.017 min
Lab File: QV621637.D
Acq: 9 Dec 2020 11:22 am

Tgt Ion: 95 Resp: 494931

Ion	Ratio	Lower	Upper
95	100		
174	80.1	62.5	129.9
176	77.7	60.7	126.1
75	49.5	34.5	71.7



LCS RAW DATA

SDG: 20L0374
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915514.D
Acq On : 9 Dec 2020 9:58 am
Operator : TMP
Sample : BL00509-BS1
Misc : QBQV9120920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 16:34:35 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.746	70	197462	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.795	117	777963	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.779	152	193523	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.432	65	217187	9.91	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 99.10%				
51) Toluene-d8 (SURR)	7.289	98	1069928	9.20	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 92.00%				
70) p-Bromofluorobenzene (...	10.079	95	377224	9.31	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 93.10%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.553	85	174307	12.51	ppb	#	1
3) Chloromethane	1.745	50	101892	7.12	ppb	#	93
4) Vinyl Chloride	1.826	62	145454	10.04	ppb	#	98
5) Bromomethane	2.146	94	19202	16.05	ppb		93
6) Chloroethane	2.256	64	93577	9.72	ppb	#	19
7) Trichlorofluoromethane	2.512	101	278714	10.87	ppb	#	20
9) Freon-113	3.020	101	138489	11.62	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	225851	10.02	ppb	#	86
11) Acrolein	2.887	56	5468m	6.29	ppb		
12) Acetone	3.015	43	11238	8.52	ppb	#	1
13) Iodomethane	3.143	142	65206	11.79	ppb	#	74
14) Methyl Acetate	3.320	43	23783	7.65	ppb	#	1
15) Carbon disulfide	3.236	76	382479	10.57	ppb	#	20
16) tert-Butyl Alcohol (TBA)	3.535	59	23034	35.12	ppb	#	1
17) Methylene Chloride	3.459	49	136035	9.21	ppb	#	50
18) Acrylonitrile	3.642	53	16708	9.48	ppb	#	1
19) trans-1,2-Dichloroethy...	3.738	61	221190	10.16	ppb	#	89
20) tert-Butyl Methyl Ethe...	3.730	73	312956	9.78	ppb	#	95
21) 1,1-Dichloroethane	4.133	63	273294	9.29	ppb	#	98
22) Vinyl Acetate	4.119	43	105124	9.89	ppb	#	1
23) Diisopropyl ether (DIPE)	4.174	45	293109	8.25	ppb	#	43
24) Ethyl-tert-Butyl ether...	4.514	59	404414	9.42	ppb	#	79
25) cis-1,2-Dichloroethylene	4.657	61	251557	9.41	ppb	#	83
26) 2-Butanone	4.616	72	8630m	10.10	ppb		
27) 2,2-Dichloropropane	4.674	77	310269	10.30	ppb	#	94
28) Tetrahydrofuran	4.906	42	8860	7.60	ppb	#	1
29) Bromochloromethane	4.874	49	74135	9.13	ppb	#	33
30) Chloroform	4.967	83	340434	10.45	ppb	#	93
31) 1,1,1-Trichloroethane	5.145	97	337408	10.86	ppb	#	41
32) Cyclohexane	5.244	56	210897	8.43	ppb	#	68
33) 1,1-Dichloropropylene	5.293	75	231290	10.01	ppb	#	79
35) Carbon Tetrachloride	5.305	117	256585	10.36	ppb	#	53
36) tert-Amyl alcohol (TAA)	5.444	59	36475	76.54	ppb	#	16
37) 1,2-Dichloroethane	5.508	62	193201	9.75	ppb	#	100
38) Benzene	5.473	78	635150	10.10	ppb	#	96
39) tert-Amyl methyl ether...	5.598	73	340590	9.48	ppb	#	1
41) Trichloroethylene	6.104	95	187847	8.81	ppb	#	76
42) Methyl Cyclohexane	6.359	83	278263	9.77	ppb	#	73
43) Methyl Methacrylate	6.365	69	100044	8.53	ppb	#	97
44) Dibromomethane	6.420	93	68169	8.51	ppb	#	52
45) Bromodichloromethane	6.580	83	233852	8.51	ppb	#	95
46) 1,2-Dichloropropane	6.333	63	138720	7.98	ppb	#	87
47) 1,4-Dioxane	6.406	88	11025m	173.42	ppb		
49) cis-1,3-Dichloropropene	7.010	75	242214	8.17	ppb	#	78
50) 4-Methyl-2-Pentanone	7.124	43	34142	6.31	ppb	#	16
52) Toluene	7.362	91	713658	8.68	ppb		98
53) trans-1,3-Dichloropropene	7.568	75	191646	7.72	ppb	#	98

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915514.D
Acq On : 9 Dec 2020 9:58 am
Operator : TMP
Sample : BL00509-BS1
Misc : QBQV9120920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 16:34:35 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

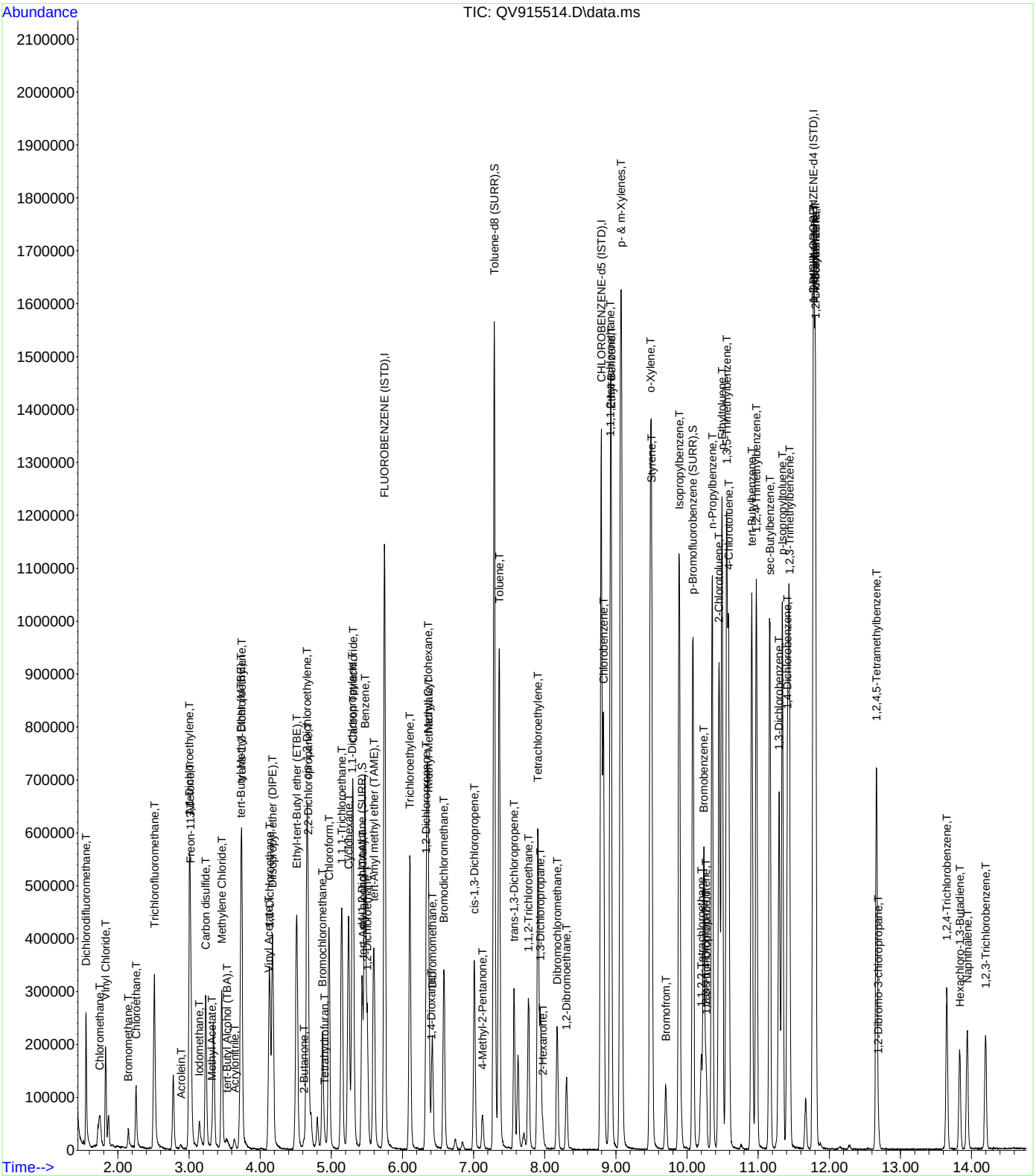
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.769	97	94334	8.54	ppb	#	1
55) 1,3-Dichloropropane	7.937	76	168646	8.16	ppb	#	90
56) Tetrachloroethylene	7.902	166	191309	9.46	ppb	#	100
57) 2-Hexanone	7.975	43	22600	6.22	ppb	#	1
58) Dibromochloromethane	8.176	129	130315	9.29	ppb	#	86
59) 1,2-Dibromoethane	8.306	107	95811	8.83	ppb		93
60) Chlorobenzene	8.827	112	447540	9.07	ppb	#	86
61) 1,1,1,2-tetrachloroethane	8.922	131	169572	9.23	ppb	#	45
62) Ethyl Benzene	8.934	91	857771	8.80	ppb		99
63) p- & m-Xylenes	9.071	91	1389086	17.84	ppb		94
64) o-Xylene	9.486	91	694475	8.70	ppb		96
65) Styrene	9.504	104	500893	9.12	ppb	#	82
66) Bromofrom	9.704	173	60963	9.15	ppb	#	96
68) p-Ethyltoluene	10.492	105	849771	9.73	ppb	#	97
69) Isopropylbenzene	9.890	105	878342	8.57	ppb	#	93
71) 1,1,2,2-Tetrachloroethane	10.201	83	86242	8.06	ppb	#	65
72) Bromobenzene	10.233	77	296355	7.88	ppb	#	83
73) trans-1,4-Dichloro-2-b...	10.265	75	100177	6.90	ppb	#	59
74) 1,2,3-Trichloropropane	10.268	110	31490	8.73	ppb	#	1
75) n-Propylbenzene	10.355	91	934421	8.30	ppb	#	89
76) 2-Chlorotoluene	10.448	91	594946	8.37	ppb		99
77) 4-Chlorotoluene	10.585	91	686832	8.34	ppb		95
78) 1,3,5-Trimethylbenzene	10.559	105	724299	8.72	ppb	#	59
79) tert-Butylbenzene	10.910	119	557302	7.68	ppb	#	87
80) 1,2,4-Trimethylbenzene	10.974	105	690861	8.55	ppb		92
81) sec-Butylbenzene	11.166	105	782821	9.03	ppb	#	92
82) 1,3-Dichlorobenzene	11.291	146	302599	9.20	ppb		93
83) p-Isopropyltoluene	11.340	119	656611	8.94	ppb		94
84) 1,4-Dichlorobenzene	11.410	146	300322	9.24	ppb		92
85) 1,2,3-Trimethylbenzene	11.439	105	667134	12.11	ppb	#	88
86) p-Diethylbenzene	11.776	105	365051	9.93	ppb	#	65
87) 1,2-Dichlorobenzene	11.805	146	244969	9.13	ppb	#	100
88) n-Butylbenzene	11.802	91	580179m	8.61	ppb		
89) 1,2-Dibromo-3-chloropr...	12.689	75	16718	7.46	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.662	119	431147	8.37	ppb	#	89
91) 1,2,4-Trichlorobenzene	13.651	180	106569	8.78	ppb	#	19
92) Hexachloro-1,3-Butadiene	13.834	225	44335	8.18	ppb	#	69
93) Naphthalene	13.941	128	195914	7.70	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.197	180	74463	8.16	ppb	#	95

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915514.D
Acq On : 9 Dec 2020 9:58 am
Operator : TMP
Sample : BL00509-BS1
Misc : QBQV9120920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 16:34:35 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915515.D
Acq On : 9 Dec 2020 10:24 am
Operator : TMP
Sample : BL00509-BSD1
Misc : QBQV9120920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 16:40:21 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.749	70	194706	10.00	ppb	#	0.00
40) CHLOROBENZENE-d5 (ISTD)	8.792	117	773674	10.00	ppb		0.00
67) 1,2-DICHLOROBENZENE-d4...	11.782	152	209760	10.00	ppb	#	0.00
System Monitoring Compounds							
34) d4-1,2-Dichloroethane ...	5.430	65	229027	10.60	ppb		0.00
Spiked Amount 10.000	Range 69 - 130		Recovery = 106.00%				
51) Toluene-d8 (SURR)	7.289	98	1034804	8.95	ppb		0.00
Spiked Amount 10.000	Range 81 - 117		Recovery = 89.50%				
70) p-Bromofluorobenzene (...	10.085	95	388173	8.83	ppb		0.00
Spiked Amount 10.000	Range 79 - 122		Recovery = 88.30%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.550	85	164882	12.00	ppb	#	1
3) Chloromethane	1.742	50	104396m	7.40	ppb		
4) Vinyl Chloride	1.829	62	138058	9.66	ppb	#	100
5) Bromomethane	2.149	94	16777	14.36	ppb		96
6) Chloroethane	2.256	64	91123	9.60	ppb	#	25
7) Trichlorofluoromethane	2.509	101	264148	10.45	ppb	#	18
9) Freon-113	3.018	101	131336	11.18	ppb	#	1
10) 1,1-Dichloroethylene	3.006	61	213974	9.63	ppb	#	85
11) Acrolein	2.884	56	6546	7.63	ppb	#	1
12) Acetone	3.006	43	13038	10.02	ppb	#	1
13) Iodomethane	3.148	142	62080	11.40	ppb	#	77
14) Methyl Acetate	3.320	43	28500	9.29	ppb	#	1
15) Carbon disulfide	3.236	76	366318	10.27	ppb	#	19
16) tert-Butyl Alcohol (TBA)	3.532	59	31864	49.27	ppb	#	1
17) Methylene Chloride	3.459	49	139873	9.61	ppb	#	50
18) Acrylonitrile	3.637	53	17633	10.15	ppb	#	1
19) trans-1,2-Dichloroethy...	3.741	61	214696	10.00	ppb	#	82
20) tert-Butyl Methyl Ethe...	3.727	73	352935	11.19	ppb	#	95
21) 1,1-Dichloroethane	4.134	63	269820	9.30	ppb	#	99
22) Vinyl Acetate	4.116	43	118741	11.33	ppb	#	1
23) Diisopropyl ether (DIPE)	4.177	45	306239	8.74	ppb	#	45
24) Ethyl-tert-Butyl ether...	4.511	59	439379	10.38	ppb	#	98
25) cis-1,2-Dichloroethylene	4.654	61	250766	9.51	ppb	#	84
26) 2-Butanone	4.613	72	9706m	11.52	ppb		
27) 2,2-Dichloropropane	4.671	77	298457	10.05	ppb	#	94
28) Tetrahydrofuran	4.910	42	10398	9.05	ppb	#	1
29) Bromochloromethane	4.878	49	78347	9.78	ppb	#	33
30) Chloroform	4.965	83	340020	10.58	ppb	#	93
31) 1,1,1-Trichloroethane	5.148	97	319716	10.44	ppb	#	26
32) Cyclohexane	5.244	56	202867	8.22	ppb	#	69
33) 1,1-Dichloropropylene	5.293	75	221580	9.73	ppb	#	78
35) Carbon Tetrachloride	5.308	117	253204	10.37	ppb	#	99
36) tert-Amyl alcohol (TAA)	5.441	59	48177	102.53	ppb	#	1
37) 1,2-Dichloroethane	5.508	62	203780	10.43	ppb	#	100
38) Benzene	5.470	78	629535	10.15	ppb	#	95
39) tert-Amyl methyl ether...	5.598	73	382997	10.81	ppb	#	1
41) Trichloroethylene	6.104	95	184136	8.68	ppb	#	74
42) Methyl Cyclohexane	6.360	83	270779	9.56	ppb	#	70
43) Methyl Methacrylate	6.368	69	105659	9.06	ppb	#	97
44) Dibromomethane	6.421	93	75825	9.52	ppb	#	86
45) Bromodichloromethane	6.583	83	243581	8.91	ppb	#	94
46) 1,2-Dichloropropane	6.336	63	138116	7.99	ppb	#	93
47) 1,4-Dioxane	6.415	88	13359m	210.45	ppb		
49) cis-1,3-Dichloropropene	7.008	75	240592	8.16	ppb	#	75
50) 4-Methyl-2-Pentanone	7.130	43	41133	7.64	ppb	#	24
52) Toluene	7.359	91	690441	8.45	ppb		99
53) trans-1,3-Dichloropropene	7.568	75	208840	8.46	ppb	#	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915515.D
Acq On : 9 Dec 2020 10:24 am
Operator : TMP
Sample : BL00509-BSD1
Misc : QBQV9120920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 16:40:21 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M

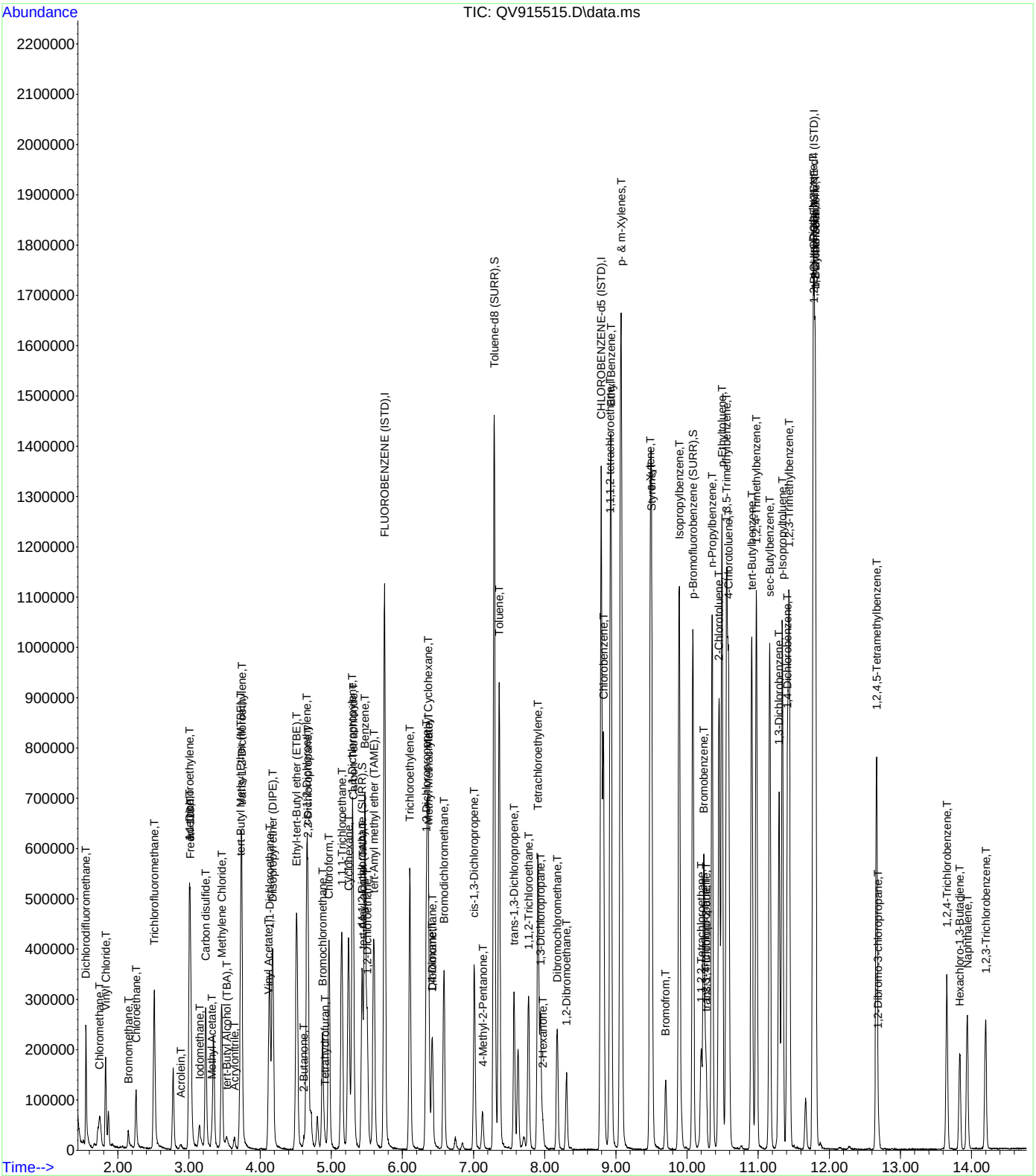
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
54) 1,1,2-Trichloroethane	7.772	97	100411	9.14	ppb	#	1
55) 1,3-Dichloropropane	7.940	76	177724	8.65	ppb	#	92
56) Tetrachloroethylene	7.903	166	179201	8.91	ppb	#	100
57) 2-Hexanone	7.969	43	26646	7.38	ppb	#	1
58) Dibromochloromethane	8.176	129	137443	9.86	ppb	#	86
59) 1,2-Dibromoethane	8.307	107	104060	9.65	ppb		93
60) Chlorobenzene	8.827	112	445736	9.09	ppb	#	84
61) 1,1,1,2-tetrachloroethane	8.920	131	174205	9.54	ppb	#	49
62) Ethyl Benzene	8.931	91	845888	8.73	ppb		98
63) p- & m-Xylenes	9.074	91	1356140	17.51	ppb		94
64) o-Xylene	9.483	91	688422	8.68	ppb		97
65) Styrene	9.504	104	507281	9.28	ppb	#	82
66) Bromofrom	9.699	173	67381	10.17	ppb	#	81
68) p-Ethyltoluene	10.492	105	824969	8.71	ppb	#	97
69) Isopropylbenzene	9.893	105	853418	7.68	ppb	#	92
71) 1,1,2,2-Tetrachloroethane	10.198	83	97949	8.44	ppb	#	65
72) Bromobenzene	10.233	77	309602	7.60	ppb		82
73) trans-1,4-Dichloro-2-b...	10.268	75	117205	7.44	ppb	#	62
74) 1,2,3-Trichloropropane	10.265	110	33218	8.50	ppb	#	1
75) n-Propylbenzene	10.352	91	925509	7.59	ppb	#	89
76) 2-Chlorotoluene	10.448	91	602984	7.82	ppb		98
77) 4-Chlorotoluene	10.582	91	684147	7.66	ppb		95
78) 1,3,5-Trimethylbenzene	10.556	105	728100	8.09	ppb	#	59
79) tert-Butylbenzene	10.910	119	553365	7.04	ppb	#	87
80) 1,2,4-Trimethylbenzene	10.974	105	706310	8.06	ppb		91
81) sec-Butylbenzene	11.163	105	782057	8.33	ppb	#	92
82) 1,3-Dichlorobenzene	11.294	146	307120	8.61	ppb		94
83) p-Isopropyltoluene	11.340	119	663278	8.33	ppb		94
84) 1,4-Dichlorobenzene	11.410	146	302443	8.58	ppb		91
85) 1,2,3-Trimethylbenzene	11.433	105	688682	11.53	ppb	#	89
86) p-Diethylbenzene	11.773	105	374409	9.40	ppb	#	56
87) 1,2-Dichlorobenzene	11.802	146	255458	8.78	ppb	#	100
88) n-Butylbenzene	11.802	91	600621m	8.22	ppb		
89) 1,2-Dibromo-3-chloropr...	12.686	75	18157	7.48	ppb	#	1
90) 1,2,4,5-Tetramethylben...	12.666	119	465292	8.34	ppb	#	88
91) 1,2,4-Trichlorobenzene	13.654	180	117888	8.96	ppb	#	16
92) Hexachloro-1,3-Butadiene	13.831	225	43020	7.32	ppb	#	63
93) Naphthalene	13.941	128	232769	8.44	ppb	#	93
94) 1,2,3-Trichlorobenzene	14.200	180	87273	8.82	ppb	#	97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\120920A\
Data File : QV915515.D
Acq On : 9 Dec 2020 10:24 am
Operator : TMP
Sample : BL00509-BSD1
Misc : QBQV9120920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 16:40:21 2020
Quant Method : C:\msdchem\1\methods\VQ9LO030.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Thu Oct 29 08:38:50 2020
Response via : Initial Calibration
InstName : QVOA9
DataAcq Meth:QVOA9ACQSOIL.M



LCS RAW DATA

SDG: 20L0374
CLASS: VOA
METHOD: EPA 8260C

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621634.D
Acq On : 9 Dec 2020 10:03 am
InstName : QVOA6
Operator : TMP
Sample : BL00510-BS1
Misc : QBQV6120920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 16:58:31 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.716	70	295780	10.00	ppb	#	0.01
41) CHLOROBENZENE-d5 (ISTD)	8.749	117	1070383	10.00	ppb		0.01
70) 1,2-DICHLOROBENZENE-d4...	11.726	152	386059	10.00	ppb		0.01
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.408	65	348931	9.65	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 96.50%				
53) Toluene-d8 (SURR)	7.249	98	1504401	9.64	ppb		0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 96.40%				
73) p-Bromofluorobenzene (...	10.035	95	497384	10.39	ppb		0.01
Spiked Amount 10.000	Range 79 - 122		Recovery = 103.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.546	85	177933m	7.91	ppb		
3) Chloromethane	1.741	50	199569	9.64	ppb	#	43
4) Vinyl Chloride	1.821	62	222409	9.61	ppb	#	49
5) Bromomethane	2.136	94	71172m	6.10	ppb		
6) Chloroethane	2.239	64	153202	9.65	ppb		91
7) Trichlorofluoromethane	2.492	101	283730	8.29	ppb		98
9) Freon-113	2.993	101	167221	8.30	ppb		98
10) 1,1-Dichloroethylene	2.982	61	303795	9.72	ppb		94
11) Acrolein	2.876	56	13392	5.70	ppb	#	64
12) Acetone	2.993	43	41546	8.25	ppb		100
13) Iodomethane	3.123	142	112357	5.38	ppb		98
14) Allyl Chloride	3.324	76	122864	9.59	ppb	#	100
15) Methyl Acetate	3.304	43	112128m	9.84	ppb		
16) Carbon disulfide	3.204	76	520094	10.27	ppb		100
17) tert-Butyl Alcohol (TBA)	3.513	59	95028	38.87	ppb	#	1
18) Methylene Chloride	3.443	49	280055	10.59	ppb	#	71
19) Acrylonitrile	3.633	53	49550	10.28	ppb	#	71
20) trans-1,2-Dichloroethy...	3.713	61	316834	10.32	ppb		96
21) tert-Butyl Methyl Ethe...	3.694	73	667263	10.59	ppb	#	88
22) 1,1-Dichloroethane	4.108	63	413638	9.88	ppb		99
23) Vinyl Acetate	4.100	43	396685	12.99	ppb	#	99
24) Diisopropyl ether (DIPE)	4.139	45	701609	9.72	ppb	#	94
25) Ethyl-tert-Butyl ether...	4.476	59	764932	10.24	ppb	#	96
26) cis-1,2-Dichloroethylene	4.631	61	384405	10.07	ppb		95
27) 2-Butanone	4.595	72	25953	10.81	ppb	#	95
28) 2,2-Dichloropropane	4.640	77	349381	9.50	ppb		91
29) Tetrahydrofuran	4.868	42	47545	9.66	ppb	#	16
30) Bromochloromethane	4.854	49	183601	10.74	ppb	#	80
31) Chloroform	4.943	83	428104	9.82	ppb	#	95
32) 1,1,1-Trichloroethane	5.113	97	347466	8.99	ppb	#	73
33) Cyclohexane	5.193	56	313081	7.42	ppb		85
34) 1,1-Dichloropropylene	5.257	75	300371	9.15	ppb		84
36) Carbon Tetrachloride	5.269	117	270944	8.42	ppb	#	55
37) tert-Amyl alcohol (TAA)	5.419	59	174845	99.86	ppb		93
38) 1,2-Dichloroethane	5.480	62	321315	10.16	ppb		99
39) Benzene	5.435	78	924182	10.10	ppb	#	96
40) tert-Amyl methyl ether...	5.558	73	714351	10.40	ppb	#	100
42) Trichloroethylene	6.064	95	239911	8.73	ppb		97
43) Methyl Cyclohexane	6.306	83	343745	8.47	ppb		83
44) Methyl Methacrylate	6.340	69	213648	9.31	ppb	#	26
45) Dibromomethane	6.390	93	140174	9.40	ppb		97
46) Bromodichloromethane	6.557	83	324735	9.26	ppb		95
47) 1,2-Dichloropropane	6.304	63	234391	9.36	ppb	#	83
48) 1,4-Dioxane	6.367	88	22103	193.16	ppb	#	86
49) 2-nitropropane	6.732	43	49037	7.76	ppb	#	100
51) cis-1,3-Dichloropropene	6.980	75	399295	9.48	ppb		86
52) 4-Methyl-2-Pentanone	7.096	43	179282	9.79	ppb	#	85
54) Toluene	7.319	91	1020299	9.38	ppb		99

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621634.D
Acq On : 9 Dec 2020 10:03 am
InstName : QVOA6
Operator : TMP
Sample : BL00510-BS1
Misc : QBQV6120920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 16:58:31 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

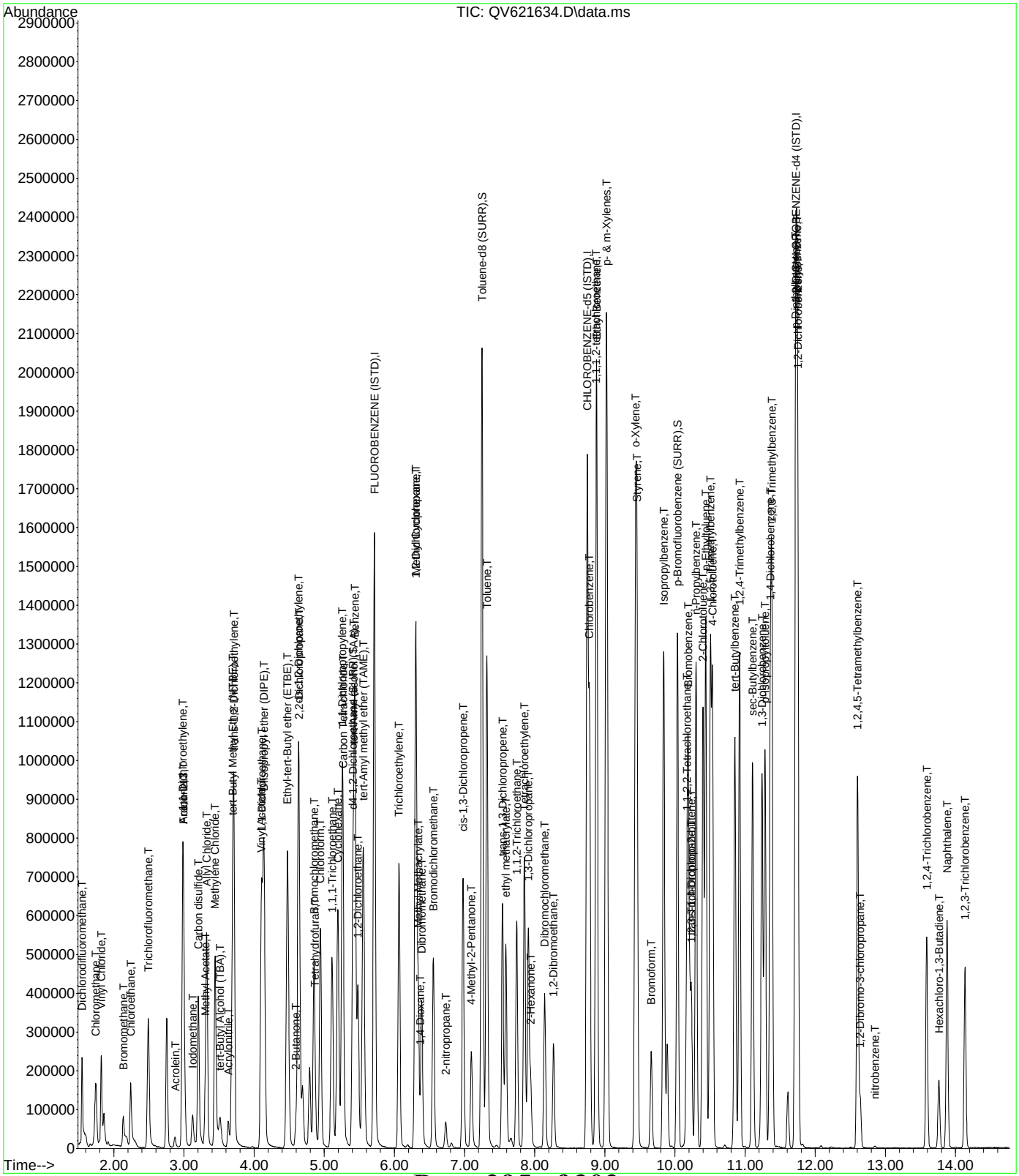
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55) trans-1,3-Dichloropropene	7.542	75	350706	9.44	ppb		100
56) ethyl methacrylate	7.589	69	285260	9.85	ppb	#	100
57) 1,1,2-Trichloroethane	7.745	97	194939	9.44	ppb		95
58) 1,3-Dichloropropane	7.909	76	343425	9.78	ppb	#	62
59) Tetrachloroethylene	7.853	166	238981	8.10	ppb	#	100
60) 2-Hexanone	7.942	43	122734	9.74	ppb	#	12
61) Dibromochloromethane	8.143	129	229700	9.25	ppb		98
62) 1,2-Dibromoethane	8.268	107	199659	9.61	ppb		98
63) Chlorobenzene	8.780	112	660305	9.41	ppb		94
64) 1,1,1,2-tetrachloroethane	8.877	131	228364	9.29	ppb		98
65) Ethyl Benzene	8.885	91	1107238	9.59	ppb		99
66) p- & m-Xylenes	9.025	91	1703739	19.27	ppb		97
67) o-Xylene	9.439	91	885742	9.57	ppb		100
68) Styrene	9.459	104	712044	10.11	ppb		98
69) Bromoform	9.662	173	127396	8.69	ppb	#	80
71) p-Ethyltoluene	10.438	105	1018160	10.46	ppb	#	82
72) Isopropylbenzene	9.840	105	1010157	8.84	ppb		98
74) 1,1,2,2-Tetrachloroethane	10.171	83	233272	9.80	ppb	#	99
75) Bromobenzene	10.188	77	459158	9.56	ppb		87
76) trans-1,4-Dichloro-2-b...	10.232	75	280023	9.43	ppb	#	53
77) 1,2,3-Trichloropropane	10.235	110	69958	9.53	ppb	#	1
78) n-Propylbenzene	10.302	91	1123313	8.99	ppb		99
79) 2-Chlorotoluene	10.399	91	831652	9.60	ppb		99
80) 4-Chlorotoluene	10.535	91	846003	9.34	ppb		97
81) 1,3,5-Trimethylbenzene	10.505	105	805306	9.31	ppb	#	64
82) tert-Butylbenzene	10.852	119	627721	7.18	ppb		95
83) 1,2,4-Trimethylbenzene	10.922	105	812895	9.43	ppb		98
84) sec-Butylbenzene	11.106	105	829945	9.23	ppb		99
85) 1,3-Dichlorobenzene	11.242	146	459028	9.04	ppb		97
86) p-Isopropyltoluene	11.284	119	717541	9.00	ppb		98
87) 1,4-Dichlorobenzene	11.359	146	476937	9.29	ppb		97
88) 1,2,3-Trimethylbenzene	11.381	105	873588	12.86	ppb		100
89) p-Diethylbenzene	11.718	105	391439	10.36	ppb	#	84
90) 1,2-Dichlorobenzene	11.751	146	434852	9.43	ppb	#	87
91) n-Butylbenzene	11.743	91	603361m	9.13	ppb		
93) 1,2-Dibromo-3-chloropr...	12.641	75	39053	8.60	ppb	#	27
94) 1,2,4,5-Tetramethylben...	12.603	119	612868	9.32	ppb		99
95) nitrobenzene	12.850	77	2328	4.72	ppb	#	100
96) 1,2,4-Trichlorobenzene	13.590	180	189875	8.51	ppb		97
97) Hexachloro-1,3-Butadiene	13.765	225	40759	8.34	ppb		98
98) Naphthalene	13.880	128	529066	8.79	ppb		99
99) 1,2,3-Trichlorobenzene	14.136	180	160180	8.36	ppb		96

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621634.D
Acq On : 9 Dec 2020 10:03 am
InstName : QVOA6
Operator : TMP
Sample : BL00510-BS1
Misc : QBQV6120920A
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Dec 09 16:58:31 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration



Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621635.D
Acq On : 9 Dec 2020 10:29 am
InstName : QVOA6
Operator : TMP
Sample : BL00510-BSD1
Misc : QBQV6120920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 17:00:23 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) FLUOROBENZENE (ISTD)	5.714	70	303883	10.00	ppb	#	0.01
41) CHLOROBENZENE-d5 (ISTD)	8.749	117	1112988	10.00	ppb		0.01
70) 1,2-DICHLOROBENZENE-d4...	11.729	152	384893	10.00	ppb		0.01
System Monitoring Compounds							
35) d4-1,2-Dichloroethane ...	5.408	65	354308	9.54	ppb		0.01
Spiked Amount 10.000	Range 69 - 130		Recovery = 95.40%				
53) Toluene-d8 (SURR)	7.249	98	1561899	9.62	ppb		0.01
Spiked Amount 10.000	Range 81 - 117		Recovery = 96.20%				
73) p-Bromofluorobenzene (...	10.037	95	505575	10.59	ppb		0.02
Spiked Amount 10.000	Range 79 - 122		Recovery = 105.90%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.546	85	171114	7.41	ppb	#	1
3) Chloromethane	1.743	50	190951	8.98	ppb	#	42
4) Vinyl Chloride	1.821	62	211510	8.90	ppb	#	47
5) Bromomethane	2.133	94	69010m	5.76	ppb		
6) Chloroethane	2.239	64	146492m	8.98	ppb		
7) Trichlorofluoromethane	2.492	101	270682	7.70	ppb		98
9) Freon-113	2.993	101	161721	7.81	ppb		98
10) 1,1-Dichloroethylene	2.982	61	291850	9.08	ppb		94
11) Acrolein	2.867	56	14212	5.89	ppb	#	83
12) Acetone	2.993	43	44158	8.54	ppb	#	95
13) Iodomethane	3.121	142	112596	5.24	ppb		98
14) Allyl Chloride	3.324	76	123616	9.39	ppb	#	100
15) Methyl Acetate	3.301	43	115603m	9.88	ppb		
16) Carbon disulfide	3.204	76	500743	9.62	ppb		100
17) tert-Butyl Alcohol (TBA)	3.513	59	96660	38.49	ppb	#	1
18) Methylene Chloride	3.443	49	278332	10.25	ppb	#	72
19) Acrylonitrile	3.633	53	51689	10.43	ppb	#	45
20) trans-1,2-Dichloroethy...	3.713	61	307455	9.75	ppb		96
21) tert-Butyl Methyl Ethe...	3.694	73	681430	10.53	ppb	#	88
22) 1,1-Dichloroethane	4.108	63	400489	9.31	ppb		99
23) Vinyl Acetate	4.097	43	401071	12.78	ppb	#	99
24) Diisopropyl ether (DIPE)	4.139	45	699092	9.43	ppb	#	96
25) Ethyl-tert-Butyl ether...	4.476	59	766735	9.99	ppb	#	96
26) cis-1,2-Dichloroethylene	4.631	61	375354	9.58	ppb		95
27) 2-Butanone	4.595	72	26341	10.67	ppb	#	95
28) 2,2-Dichloropropane	4.643	77	338127	8.95	ppb	#	81
29) Tetrahydrofuran	4.868	42	50298	9.94	ppb	#	20
30) Bromochloromethane	4.854	49	183949	10.47	ppb	#	80
31) Chloroform	4.946	83	423196	9.45	ppb	#	95
32) 1,1,1-Trichloroethane	5.110	97	340186	8.57	ppb	#	73
33) Cyclohexane	5.191	56	306250	7.06	ppb		85
34) 1,1-Dichloropropylene	5.260	75	291901	8.65	ppb		84
36) Carbon Tetrachloride	5.266	117	262848	7.95	ppb	#	55
37) tert-Amyl alcohol (TAA)	5.422	59	178011	98.96	ppb	#	78
38) 1,2-Dichloroethane	5.483	62	325642	10.02	ppb		100
39) Benzene	5.435	78	914172	9.73	ppb	#	70
40) tert-Amyl methyl ether...	5.555	73	716839	10.15	ppb	#	90
42) Trichloroethylene	6.064	95	237418	8.31	ppb		95
43) Methyl Cyclohexane	6.306	83	341962	8.10	ppb		83
44) Methyl Methacrylate	6.337	69	213607	8.95	ppb	#	27
45) Dibromomethane	6.387	93	141100	9.10	ppb		97
46) Bromodichloromethane	6.554	83	324146	8.89	ppb		95
47) 1,2-Dichloropropane	6.304	63	233280	8.96	ppb	#	83
48) 1,4-Dioxane	6.370	88	23645	198.72	ppb	#	85
49) 2-nitropropane	6.732	43	50941	7.75	ppb	#	100
51) cis-1,3-Dichloropropene	6.980	75	399251	9.12	ppb		86
52) 4-Methyl-2-Pentanone	7.096	43	186029	9.77	ppb	#	86
54) Toluene	7.319	91	1003361	8.87	ppb		99

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621635.D
Acq On : 9 Dec 2020 10:29 am
InstName : QVOA6
Operator : TMP
Sample : BL00510-BSD1
Misc : QBQV6120920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 17:00:23 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration

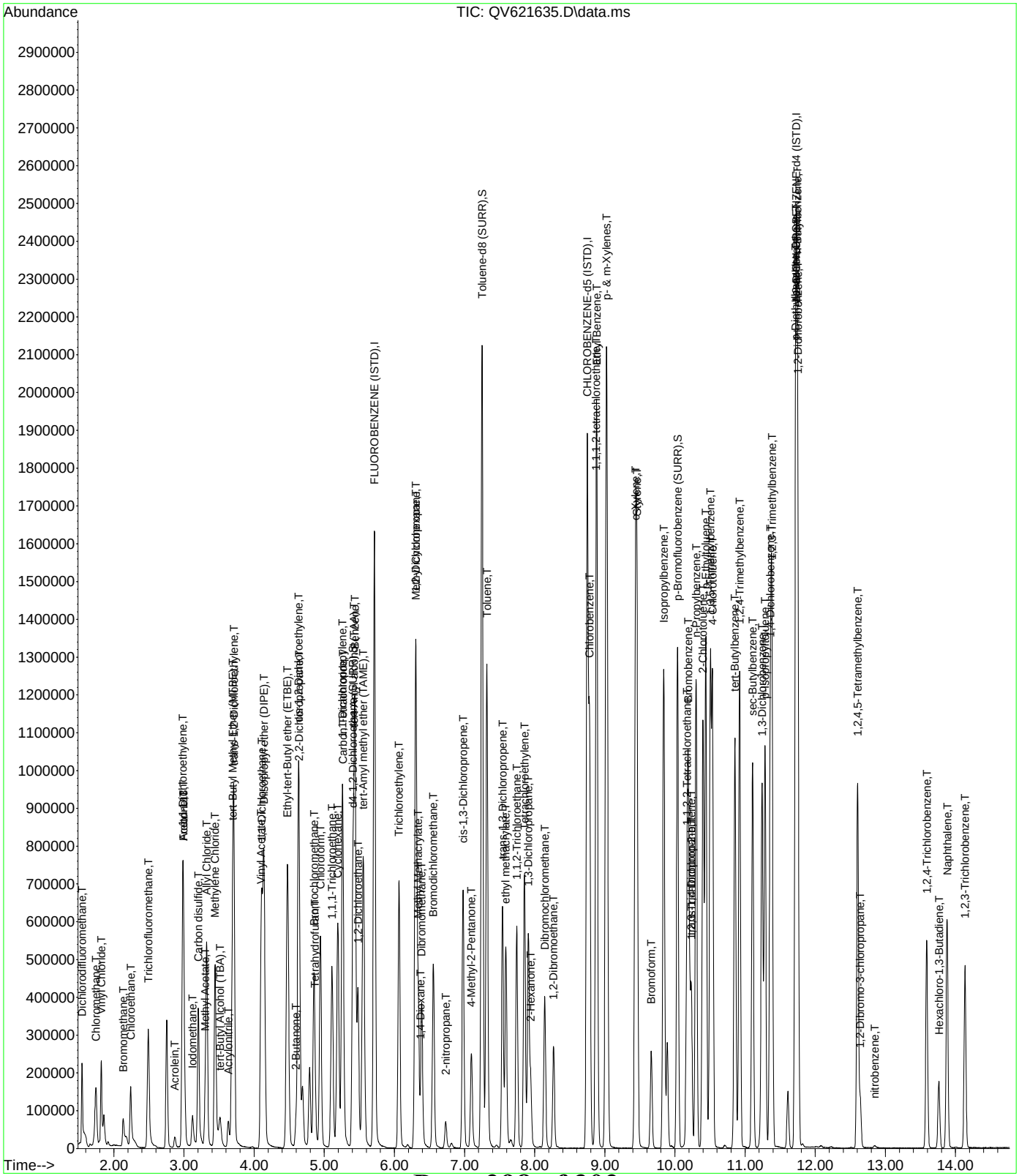
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
55)	trans-1,3-Dichloropropene	7.542	75	351310	9.10	ppb		100
56)	ethyl methacrylate	7.586	69	292886	9.73	ppb	#	100
57)	1,1,2-Trichloroethane	7.745	97	198757	9.26	ppb		94
58)	1,3-Dichloropropane	7.909	76	346415	9.49	ppb	#	83
59)	Tetrachloroethylene	7.856	166	232898	7.59	ppb	#	100
60)	2-Hexanone	7.942	43	128409	9.80	ppb	#	14
61)	Dibromochloromethane	8.145	129	232683	9.01	ppb		98
62)	1,2-Dibromoethane	8.268	107	202595	9.37	ppb		99
63)	Chlorobenzene	8.783	112	652883	8.95	ppb		94
64)	1,1,1,2-tetrachloroethane	8.874	131	228176	8.93	ppb		99
65)	Ethyl Benzene	8.885	91	1096800	9.13	ppb		99
66)	p- & m-Xylenes	9.025	91	1687847	18.36	ppb		97
67)	o-Xylene	9.436	91	877003	9.12	ppb		100
68)	Styrene	9.459	104	708287	9.67	ppb		98
69)	Bromoform	9.662	173	129817	8.51	ppb		99
71)	p-Ethyltoluene	10.441	105	1017373	10.49	ppb	#	82
72)	Isopropylbenzene	9.840	105	1008173	8.85	ppb		98
74)	1,1,2,2-Tetrachloroethane	10.171	83	240435	10.14	ppb	#	99
75)	Bromobenzene	10.188	77	455206	9.51	ppb		88
76)	trans-1,4-Dichloro-2-b...	10.232	75	289490	9.77	ppb	#	54
77)	1,2,3-Trichloropropane	10.235	110	71551	9.78	ppb	#	1
78)	n-Propylbenzene	10.304	91	1131689	9.09	ppb		100
79)	2-Chlorotoluene	10.399	91	827731	9.59	ppb		99
80)	4-Chlorotoluene	10.535	91	840879	9.32	ppb		97
81)	1,3,5-Trimethylbenzene	10.505	105	806782	9.36	ppb	#	64
82)	tert-Butylbenzene	10.855	119	638190	7.32	ppb		96
83)	1,2,4-Trimethylbenzene	10.922	105	815652	9.49	ppb		98
84)	sec-Butylbenzene	11.108	105	849118	9.47	ppb		99
85)	1,3-Dichlorobenzene	11.242	146	460402	9.10	ppb		97
86)	p-Isopropyltoluene	11.284	119	728007	9.16	ppb		98
87)	1,4-Dichlorobenzene	11.359	146	474955	9.28	ppb		97
88)	1,2,3-Trimethylbenzene	11.384	105	877424	12.95	ppb		99
89)	p-Diethylbenzene	11.718	105	398095	10.57	ppb	#	84
90)	1,2-Dichlorobenzene	11.751	146	438128	9.53	ppb	#	73
91)	n-Butylbenzene	11.746	91	617515m	9.37	ppb		
92)	hexachloroethane	11.726	117	142723	10.64	ppb	#	100
93)	1,2-Dibromo-3-chloropr...	12.641	75	40926	9.04	ppb	#	85
94)	1,2,4,5-Tetramethylben...	12.605	119	620658	9.47	ppb		98
95)	nitrobenzene	12.847	77	2605	5.27	ppb	#	100
96)	1,2,4-Trichlorobenzene	13.590	180	195655	8.79	ppb		97
97)	Hexachloro-1,3-Butadiene	13.765	225	40250	8.26	ppb		98
98)	Naphthalene	13.882	128	555829	9.26	ppb		99
99)	1,2,3-Trichlorobenzene	14.136	180	167795	8.78	ppb		97

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

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\DATA\120920A\
Data File : QV621635.D
Acq On : 9 Dec 2020 10:29 am
InstName : QVOA6
Operator : TMP
Sample : BL00510-BSD1
Misc : QBQV6120920A
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Dec 09 17:00:23 2020
Quant Method : C:\msdchem\2\METHODS\VQ6LO074.M
Quant Title : Volatile Organics EPA 8260C-Waters
QLast Update : Mon Nov 23 10:55:27 2020
Response via : Initial Calibration



BENCHSHEETS

SDG: 20L0374

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-AQUEOUS: BL00509

Prepared: **12/09/2020 06:47**

York Analytical Laboratories, Inc.

Printed: 12/14/2020 7:37:33AM

Matrix: Water **Preparation EPA 5030B** **Surrogate used: Y17H091** **1** **ul**

Lab Number	Analysis	Initial (mL)	Final (mL)	Spike 1 ID	ul Spike 1	Spike 2 ID	ul Spike 2	Source ID	pH Data Initial	pH Data Acid	pH Data Basic	Decanted Y/N	Comments
20K0715-01 A	Volatile Organics, I	25	25							<2	NA		
20L0197-03 C	Volatile Organics, (	25	25							<2	NA		From BL00437 by MD on 12/09/2020
20L0227-03RE1 C	Volatile Organics, (	25	25							<2	NA		From BL00437 by MD on 12/09/2020
20L0308-04 C	Volatile Organics, (	25	25							<2	NA		From BL00437 by MD on 12/09/2020
20L0312-01 B	Volatile Organics, 8	25	25							<2	NA		From BL00442 by AS on 12/10/2020
20L0312-01 B	Volatile Organics, 1	25	25							<2	NA		From BL00442 by AS on 12/10/2020
20L0312-06 B	Volatile Organics, 8	25	25							<2	NA		From BL00442 by AS on 12/10/2020
20L0312-06 B	Volatile Organics, 1	25	25							<2	NA		From BL00442 by AS on 12/10/2020
20L0374-06 B	Volatile Organics, 8	25	25							6	NA		
20L0374-07 B	Volatile Organics, 8	25	25							6	NA		
20L0374-08 B	Volatile Organics, 8	25	25							6	NA		
20L0403-02 B	Volatile Organics, 8	25	25							<2	NA		
20L0408-03 B	VOA, 8260 LOW M	25	25							<2	NA		
20L0408-03 B	Volatile Organics, 1	25	25							<2	NA		
20L0408-04 A	VOA, 8260 LOW M	25	25							<2	NA		
20L0408-04 A	Volatile Organics, 1	25	25							<2	NA		
20L0408-06 B	VOA, 8260 LOW M	25	25							<2	NA		
20L0408-06 B	Volatile Organics, 1	25	25							<2	NA		
BL00509-BLK1	QC	25	25							<2	NA		
BL00509-BS1	QC	25	25	Y20K226	5					<2	NA		
BL00509-BSD1	QC	25	25	Y20K226	5					<2	NA		

Reagents:

ID Number	Description	Lot Number	ID Number	Description	Lot Number
Y18B221	Antifoam B Silicone Emulsion	0000171560	Y20K058	Q_VOA_40mL HCL Pre-Preserved	2566

Preparation Performed by **MD** **Date:** **12/09/2020 06:47**

BENCHSHEETS

SDG: 20L0374

CLASS: VOA

METHOD: EPA 8260C

PREPARATION BENCH SHEET-AQUEOUS: BL00510

Prepared: **12/09/2020 06:47**

York Analytical Laboratories, Inc.

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Matrix: Water **Preparation EPA 5030B** **Surrogate used: Y17H091** **1** **ul**

Lab Number	Analysis	Initial (mL)	Final (mL)	Spike 1 ID	ul Spike 1	Spike 2 ID	ul Spike 2	Source ID	pH Data Initial	pH Data Acid	pH Data Basic	Decanted Y/N	Comments
20L0131-07RE1 C	Volatile Organics, (	25	25							<2	NA		From BL00437 by AS on 12/09/2020
20L0327-01 B	Volatile Organics, {	25	25							<2	NA		
20L0335-01 B	Volatile Organics, {	25	25							<2	NA		
20L0335-03 B	Volatile Organics, {	25	25							<2	NA		
20L0355-01 A	Volatile Organics, (	25	25							<2	NA		
20L0373-01 A	VOA, 8260 MAST	5	5							<2	NA		
20L0373-02 B	VOA, 8260 MAST	5	5							<2	NA		
20L0373-03 B	VOA, 8260 MAST	5	5							<2	NA		
20L0373-04 B	VOA, 8260 MAST	5	5							<2	NA		
20L0373-05 B	VOA, 8260 MAST	5	5							<2	NA		
20L0374-01 B	Volatile Organics, {	25	25							=6	NA		
20L0374-02 B	Volatile Organics, {	25	25							=6	NA		
20L0374-03 B	Volatile Organics, {	25	25							=6	NA		
20L0374-04 B	Volatile Organics, {	25	25							=6	NA		
20L0374-05 B	Volatile Organics, {	25	25							=6	NA		
20L0403-04 B	Volatile Organics, {	25	25							<2	NA		
20L0403-05 A	Volatile Organics, {	25	25							<2	NA		
BL00510-BLK1	QC	25	25							<2	NA		
BL00510-BS1	QC	25	25	Y20K226	5					<2	NA		
BL00510-BSD1	QC	25	25	Y20K226	5					<2	NA		

Reagents:

ID Number	Description	Lot Number
Y18B221	Antifoam B Silicone Emulsion	0000171560

ID Number	Description	Lot Number
Y20K058	Q_VOA_40mL HCL Pre-Preserved	2566

Preparation Performed by **KHA** **Date:** **12/09/2020 06:47**

Appendix D

Data Usability Summary Report

Data Usability Summary Report

Additional Pre-Design On-Site Soil and Off-Site Groundwater Investigation
Former Imperial Cleaners Site
BCP Site # C130225
218 Lakeville Road
Lake Success, NY 11020

This Data Usability Summary Report (DUSR) has been prepared to validate the results of the additional on-site soil and off-site perched groundwater sampling conducted at 218 Lakeville Road, Lake Success, New York (Former Imperial Cleaners Site). This sampling was conducted on August 31, September 3 and December 2, 2020 in support of a pre-design subsurface investigation. Walden performed the sampling in accordance with the *Additional Pre-Design Subsurface Investigation Work Plan - Revised ("Work Plan"*, Walden, July 27, 2020) which was approved by New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (NYSDOH) by NYSDEC letter dated August 19, 2020.

This DUSR has been prepared in accordance with NYSDEC Draft DER-10 Appendix 2B – *Guidance for Data Deliverables and the Development of Data Usability Summary Reports*. The DUSR provides a thorough evaluation of analytical data without using the services of an independent third-party data validator. The primary objective of the DUSR is to determine whether or not the data presented meets project specific criteria for data quality and use.

The analytical data was evaluated by Ms. Lathika Varanasi (Walden), whose experience and qualifications to prepare the DUSR for this project are presented in the attached resume (see Attachment A). The soil samples and perched groundwater samples collected for laboratory analysis were submitted to York Analytical Laboratories, Inc. (York) of Richmond Hill, New York, a NYSDOH Environmental Laboratory Approval Program (ELAP) Contract Laboratory Protocol (CLP) laboratory (NY Cert. Nos. 10854 and 1205). Soil and perched groundwater sample preparation for volatile organic compounds (VOCs) analysis was performed via U.S. Environmental Protection Agency (USEPA) SW-846 Method 5035 and 5030C for soil and groundwater samples respectively. Samples were then analyzed for VOCs via USEPA SW-846 Method 8260C.

The DUSR process consisted of evaluating the analytical data packages produced by York and answering the following questions.

1. **Were there any deviations in the sampling protocol which deviated from established sampling procedures?**

   The sampling followed the established sampling procedures in the NYSDEC-approved *Additional Pre-Design Subsurface Investigation Work Plan - Revised ("Work Plan"*, Walden, July 27, 2020). The soil and perched groundwater samples were collected in laboratory-provided sample containers with prescribed preservatives. Terra Core® sample kits were utilized for soil sample collection. All soil samples were containerized in clean, laboratory-provided glassware, labeled, and placed in ice-filled coolers. The perched groundwater samples were placed into single-use sampling glassware provided by the laboratory and packed in ice-filled coolers.

2. **Is the data package complete as defined under the requirements for the NYSDEC ASP Category B or USEPA CLP deliverables?**

   The sampling and analytical program outlined in the *Additional Pre-Design Subsurface Investigation Work Plan - Revised* was designed to conform to the NYSDEC ASP Category B and USEPA CLP deliverables criteria. Both field sampling and laboratory analytical activities were performed with built-in QA/QC programs. One duplicate soil sample was collected during the investigation. The analytical laboratory (York) included method blanks and batch QA/QC samples as part of their standard QA/QC program. Additionally, the samples were handled in compliance with the holding time allowances, meeting the NYSDEC ASP Category B and USEPA CLP deliverables criteria requirements.

3. **Have all holding times been met?**

   Times of sample receipt, extraction, and analysis have been evaluated to determine whether the holding time specifications have been met. All of the samples were analyzed within the specified holding times.

4. **Do all QC data (blanks, instrument tunings, calibration standards, calibration verifications, surrogate recoveries, spike recoveries, replicate analyses, laboratory controls, and sample data) fall within the protocol-required limits and specifications?**

   All the primary samples and QC data were reviewed. Duplicate and Matrix Spike sample analyses demonstrated a reasonable level of accuracy in the analytical results. Although not all QA/QC data met the protocol-required criteria, these outliers do not impact the quality of the data package or the reliability of the laboratory results.

5. **Have all the data been generated using established and agreed upon analytical protocols?**

   Laboratory analytical protocols have been developed by the USEPA and are published in USEPA Method 8260C (SW-846): Volatile Organic Compounds by Gas Chromatography/Mass Spectrometry (GC/MS), Revision 3. The review of the laboratory deliverables indicated that the analytical data for this project was generated following these standard protocols.

6. **Does an evaluation of the raw data confirm the results provided in the data summary sheets and quality control verification forms?**

   An evaluation of the raw data confirmed the accuracy and reliability of the results provided in the data summary sheets and the quality control verification forms included in the analytical data package prepared by the laboratory.

7. **Have the correct data qualifiers been used?**

   The laboratory provided a list of qualifiers used in their data reporting. QC failures such as potential sample contamination by laboratory solvents or estimation of sample result values due to analyte concentrations detected above calibration ranges were checked back to the reported data to determine whether the qualifiers were properly used. The evaluation indicated that the laboratory flagged the data using the correct data qualifiers when necessary. The data qualifiers comply with the NYSDEC Analytical Services Protocol (ASP) 95 revised guidelines.

8. **Have the minimum reporting limits been met?**

   The minimum detection limits derived from the USEPA analytical methods and the laboratories' quality control are as follows:

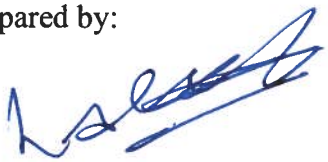
   - VOC for Groundwater: 5.0 ug/L
   - VOC for Soil: 0.5 ug/kg

   The minimum reporting limits have been met for all perched groundwater and soil samples.

Summary

In summary, the analytical data package review conducted when preparing this DUSR found no data deficiencies, no major analytical protocol deviations, or major quality control problems that impact the quality of the data. No significant QC exceedances were identified and it was determined that none of the data should be rejected.

Prepared by:



Lathika Varanasi, Ph.D.

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EDUCATION

Ph.D. in Environmental Engineering, Michigan Technological University

LICENSES/ CERTIFICATIONS

NYSDEC 4-Hour Erosion and Sediment Control Training

Confined Space Trained General Industry

NFPA 70E: Standard for Electrical Safety in the Workplace

OSHA 10 Hour General Industry

OSHA 40 Hour HAZWOPER

Lathika Varanasi, Ph.D.
Project Engineer

WALDEN ENVIRONMENTAL ENGINEERING

Project Engineer with experience in energy recovery/energy auditing of water and wastewater treatment facilities, wastewater treatment and renewable energy. She also has a strong background in environmental remediation, technical writing, techno-economic feasibility studies, engineering data analysis, analytical and organic chemistry.

SELECTED RELEVANT EXPERIENCE

- Energy optimization of Water and Wastewater Treatment Plants: Conducted energy consumption and process evaluations for equipment and process systems of water and wastewater treatment facilities and associated Combined Heat and Power (CHP) systems. Developed energy efficiency funding applications and quantified energy savings associated with treatment and process equipment as well as lighting and HVAC systems of water and wastewater treatment facilities. Developed energy conservation measures and provided recommendations for alternative low energy technologies for the upgrade of process operations and performances of water and wastewater treatment facilities. Created operation and maintenance manuals for water and wastewater treatment facilities.

- Environmental Impact Assessment: Evaluated sustainability, techno-economic feasibility of solar energy systems and analyzed energy consumption data to optimize energy efficiency for clients.

- Energy optimization of Sewage Treatment Plants: Established potential areas of energy optimization through data analysis of the unit processes of sewage treatment plants (STP), including pumps, blowers and compressors. Developed technical summaries of STP facilities' site operating manuals. Designed a template with the layout of unit processes of a sewage treatment plant and highlighted segments of high energy consumption for the stakeholders.

- Wastewater Treatment: Designed bench scale UV/Advanced Oxidation Processes (UV/AOPs) and investigated transformation of dissolved organic matter (DOM) of secondary effluent wastewater in the UV/AOPs. Characterized DOM transformation using ultra-high-resolution mass spectrometer. Identified specific low-molecular weight organic acids and chlorinated by-products formed due to interaction of DOM with UV/ AOPs. Analyzed the role of DOM in reducing the treatment efficiency of UV-AOPs. Developed methods for the application of analytical chemistry instruments for data analysis. Prepared research reports, grant proposals, research proposals and journal articles.

- Renewable Energy Applications: Identified, analyzed and applied renewable and energy efficient technologies (Solar, Biomass, Biogas, Solar-LED) for industrial and community use. Made site visits to evaluate clients' operations and provided appropriate recommendations based on clients' requirements and project viability. Prepared detailed project reports, presentations, techno-economic feasibility studies and financial projections. Secured funds for renewable energy projects in rural areas by applying for seed grants.